

CHAPTER – 1

**HIGHER EDUCATION IN
WEST BENGAL**

AT A GLANCE, 2008 - 2009

CHAPTER – 1

HIGHER EDUCATION IN WEST BENGAL AT A GLANCE 2008 - 2009

A. UNIVERSITIES :

(1) UNIVERSITIES AIDED BY THE STATE GOVERNMENT IN THE DEPARTMENT OF HIGHER EDUCATION ALONGWITH NUMBER OF AFFILIATED COLLEGES, ETC.

UNIVERSITY	No. of Departments	No. of faculty	No. of teachers	General degree colleges	Education Colleges (B.Ed / B.P.Ed.)	Law Colleges	Art Colleges	Management Colleges	Hotel Management Colleges	Music Colleges	Engg & Tech Colleges	Other Colleges (Non-AICTE)	Total No. of Colleges
1. Calcutta University	59	5	698	128	29	06	01	01	–	01	–	01	167
2. Burdwan University	29	2	227	97	29	06	01	–	–	01	–	13	147
3. Vidyasagar University	19	3	117	42	19	03	–	–	–	–	–	06	70
4. Kalyani University	22	4	245	39	14	04	–	–	–	–	–	03	60
5. North Bengal University	22	3	148	44	10	01	–	–	–	–	–	–	55
6. West Bengal State University, Barasat	27	2	161	47	10	01	–	–	–	–	–	01	59
7. Gour Banga University	19	3	106	22	09	01	–	–	–	–	–	–	32
8. Jadavpur University	35	3	636	–	–	–	–	01	–	–	–	–	01
9. Rabindra Bharati University	22	3	155	–	–	–	02	–	–	–	–	–	02
10. Bengal Engineering & Science University	16	2	208	–	–	–	–	–	–	–	–	–	–
11. Netaji Subhas Open University	5	2	12	–	–	–	–	–	–	–	–	–	–
12. West Bengal University of Technology	7	3	32	–	–	–	–	29	04	–	66	59	158
Total	–	–	2476	419	120++	22**	4	31+	04	02	66*	83	751

* Exclusive of University Colleges/Departments of JU,BESU,CU,BU & KU,WBUT

** Excluding University Colleges/Departments of CU,BU,NBU and NUJS

+ Exclusive of University Management Deptts. and inclusive of Engg. Colleges with Management Deptts.

++ Excluding University Colleges/Departments.

- N.B.** 1. Agriculture courses, both UG and PG, (including Agri. Engg.) are conducted by the BCKV AND UBKV. CU also runs courses on Agriculture (at PG level) under its Agriculture Dept.
2. University of Animal & Fishery Sciences imparts UG and PG studies in Veterinary Science and Animal Health. It also runs degree level course on Dairy Technology and Fisheries.

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(2) UNIVERSITIES AIDED BY THE STATE GOVERNMENT IN OTHER DEPARTMENTS :

1. Bidhan Chandra Krishi Viswavidyalaya.
2. West Bengal University of Animal and Fishery Sciences.
3. West Bengal National University of Juridical Sciences.
4. Uttarbanga Krishi Viswavidyalaya.
5. West Bengal University of Health Sciences.
6. Alia University.

(3) OTHER UNIVERSITIES / DEEMED UNIVERSITY :

1. Ramkrishna Mission Vivekananda Educational and Research Institute (RKMVERI)

(4) CENTRAL UNIVERSITIES :

1. Visva-Bharati
2. Indira Gandhi National Open University, Regional Centre

B. INSTITUTES WITH SPECIAL STATUS :

1. Indian Institute of Management, Joka
2. Indian Institute of Technology, Kharagpur
3. Indian Statistical Institute, Baranagar
4. National Institute of Technology, Durgapur
5. Indian Institute of Science Education & Research, Kolkata (IISER-K)

C. INSTITUTION OF NATIONAL IMPORTANCE :

1. Asiatic Society.

D. IMPORTANT RESEARCH INSTITUTIONS :

1. Bose Institute
2. Central Glass & Ceramic Research Institute
3. Centre for Studies in Social Sciences
4. Central Mechanical Engineering Research Institute, Durgapur
5. Indian Association for the Cultivation of Science
6. Indian Institute of Chemical Biology
7. Institute of Historical Studies
8. Netaji Institute for Asian Studies

9. Saha Institute of Nuclear Physics
10. Satyendra Nath Bose National Centre for Basic Sciences
11. Variable Energy Cyclotron Centre.

E. IMPORTANT INSTITUTES/ORGANISATIONS ATTACHED TO THE DEPARTMENT OF HIGHER EDUCATION :

1. WEST BENGAL STATE COUNCIL OF HIGHER EDUCATION :

Planning and co-ordination in the area of Higher Education.

2. WEST BENGAL COLLEGE SERVICE COMMISSION :

Conducts University Grant Commission (UGC) Accredited State Eligibility Test (SET), formerly known as SLET for Lectureship in Universities and Colleges of West Bengal as a State Agency and also recommends candidates for recruitment to the posts of principals.

3. DISTRICT GAZETTEERS :

The office of the State Editor, West Bengal District Gazetteers was set up in the late fifties to implement the Government of India scheme of revision of gazetteers which were compiled and published during the British Rule. It is engaged in research, compilation and publication of gazetteers and other allied literature. There is an Advisory Committee consisting of scholars and academicians to advise the State Editor.

4. STATE ARCHIVES :

The Archives is the repository of old historical records of the Government.

5. STATE BOOK BOARD :

The State Book Board was established in 1970. The Board has published 790 Books for undergraduate and postgraduate courses in 31 subjects till last year.

6. INSTITUT DE CHANDERNAGOR :

A centre for French language studies. There is also a museum at the Institute.

7. INSTITUTE OF ENGLISH :

The Institute was founded by the Govt. of West Bengal in collaboration with the British Council in 1963. It enjoys full academic autonomy in devising courses and syllabus, conducting examinations and conferring diplomas.

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F. COLLEGES :

DIFFERENT TYPES OF COLLEGES

Government Colleges	General Degree Colleges	17
	Colleges for Education including Colleges for Physical Education	12
	Art College	1
	Law College	1
	Engineering & Technological Colleges	6
	Total	37
Non-Govt. & Self financing Colleges	General Degree Colleges	402
	Colleges for Education including Colleges for Physical Education	108
	Law College	21
	Music College	2
	Art College	3
	Business Management / Business Administration College	31
	Engineering & Technological Colleges excluding University Engineering Department	60
	Hotel Management	4
	Other Professional Colleges (Non AICTE)	83
	Total	714
	Total Colleges in West Bengal	

G. SCHOLARSHIPS AND STIPENDS RELEASED BY THE EDUCATION DIRECTORATE :

The number of scholarships/stipends which were released In the year being reported here (2008-2009), tis indicated below :

National Scholarship (monetary benefit) :

Madhyamik (fresh)	–	35
Madhyamik (renewal)	–	210
Higher Secondary	–	6
Degree (Graduation)	–	3
High Madrasah	–	3
	–	<u>257</u>

Ntional Scholarship (Merit certificate) :

Madhyamik	–	380
Higher Secondary	–	148

National Merit Scholarship : – 220

D.P.I. Special Stipend – 65
(General Stipend)

(Ad-hoc grant) – 111 (distributed among three institutions)

Hindi Scholarship – 70

W. B. Govt. –

Merit-cum-Means
Scholarship

:	Fresh	- 2030
	Renewal	- <u>525</u>
	Total	- 2555

CHAPTER – 2

ADMINISTRATIVE SET UP OF THE HIGHER EDUCATION DEPARTMENT

2.1 Introduction

2.2 Administrative set up

***2.3 Functionaries in the Department of Higher
Education***

***2.4 Universities and other important
Organisations/Institutions attached to the
Deptt. of Higher Education***

ADMINISTRATIVE SET UP

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ADMINISTRATIVE SET UP OF THE HIGHER EDUCATION DEPARTMENT

2.1 INTRODUCTION

This report is being published for the 17th year in succession. It presents the status of higher education in the state of West Bengal. It describes in particular, the activities of the Department of Higher Education of the Government of West Bengal for the year 2008-2009. It also contains an account of the activities of different organisations and institutions attached to the Department of Higher Education as furnished by the organisations/institutions themselves. However, the report does not provide information on other departments concerned with education. **The report does not have any relevance as a Government Order or official policy pronouncement.**

PRESENT STATUS

The Higher Education Department is the successor to the erstwhile Department of Education. The Department of Mass Education Extension was carved out of the Department of Education to deal with, among other things, the subject of adult education, in terms of Notification No 5106-A.R. dated the 21st April, 1988. The Department of Technical Education & Training was similarly created in terms of Notification No 16129-A.R. dated the 29th June, 1991. The Polytechnic institutions which had so long functioned under the Higher Education wing of the erstwhile Education Department were taken over by the newly created department. Finally, the Education Department was abolished and in its place were created two departments, namely, the School Education Department and the Higher Education Department in terms of Notification No 670-Home (Cons) dated, the 8th Nov, 1995.

2.2 ADMINISTRATIVE SET UP

The highest executive of the Higher Education Department is the Minister-in-Charge of the Department.

The Principal Secretary is the official head of the Department of Higher Education. He is assisted by Special Secretaries, Joint Secretaries, Deputy Secretaries, Assistant Secretaries and Officers on Special Duty. The Principal Secretary also functions as the Secretary to the Chancellor of the State Universities connected with the Department.

ADMINISTRATIVE SET UP

The Department of Higher Education is comprised of a number of branches and cells, namely, Establishment Branch, Budget Branch, University Branch and Chancellor's Secretariat, Non-Govt. College Branch, Govt. College Branch, Appointment Branch, Technical Education Branch, Archives Branch, Miscellaneous and Social Education Branch, Pension Cell, N. S. S. Cell, Vigilance Cell, Audit Cell and Computer Cell.

EDUCATION DIRECTORATE

The commitment of the Department of Higher Education in financial and administrative matters of the Colleges (Govt. and Non-Govt.) is carried out through the Education Directorate. The Directorate is headed by the Director of Public Instruction who is also an ex-officio Secretary to the Govt. of West Bengal.

The D.P.I. is assisted by Addl. Directors of Public Instruction (A.D.P.I), Joint Directors of Public Instruction (J.D.P.Is), Deputy Directors of Public Instruction, Asstt. Director of Public Instruction. The sections of the Education Directorate which deal with various matters related to the Colleges include Appointment, College (Non-Govt. and Govt.), Pay Packet (PPS), U.G.C., Training, Accounts, Physical Education, Scholarships & Stipends, Planning & Statistics (P & S), Social Education, Hindi Education, National Cadet Corps (N.C.C.) and Law. There are also some special cells under the Directorate, namely, Audit Cell, Integrated Law Cell, etc. The sectional activities are performed under the supervision of different JDPIs, DDPIs. Besides, there are Accounts and Administrative Officers who supervise functions like release of pay packet, grants, pension, drawal of salaries etc.

DISTRICT LEVEL ADMINISTRATION

There are three Regional Education Offices under the Education Directorate located in Calcutta, Chinsurah and Jalpaiguri, controlling Presidency, Burdwan and Jalpaiguri divisions respectively. Deputy Regional Education Officers (D.R.E.O.) are in charge of these three offices now. They have the status of an Jt..D.P.I. The D.R.E.O.s assist the D.P.I. in the supervision of the Non-Govt. Colleges. The D.R.E.O., Jalpaiguri also releases the pay packet for colleges in all the districts of Jalpaiguri division excepting Malda district.

DIRECTORATE OF TECHNICAL EDUCATION

The Higher Education Department exercises administrative and financial control over the engineering and technological colleges in this State through the Directorate of Technical Education which is headed by the Director of Technical Education (D.T.E.). The D.T.E. is assisted by an Addl. Director, a Joint Director of Technical Education, Deputy Directors of Technical Education, Assistant Directors of Technical Education and other staff members.

THE WEST BENGAL STATE COUNCIL OF HIGHER EDUCATION

It was established in 1994 with a view to assisting the Department in formulating policy and implementation of certain matters entrusted to it. The office bearers of Council have also been assigned certain statutory functions under the West Bengal Prohibition of Ragging in Educational Institutions Act, 2000.

WEST BENGAL COLLEGE SERVICE COMMISSION

The Commission came into existence in 1979. It prepares merit panels of candidates eligible for recruitment to the posts of Lecturer in different subjects in non-government colleges affiliated to the universities of West Bengal. It also recommend candidates for appointment in the vacant posts of Principal in these colleges. The Commission also organises State level Eligibility Test (SLET) for Lecturership in Universities and Colleges.

WEST BENGAL DISTRICT GAZETTEERS

This wing of the Department publishes or reprints the Gazetteers of different districts of West Bengal, the State Gazetteer and allied literature.

PASCHIM BANGA HINDI ACADEMY

This Academy has been promoting education in Hindi in West Bengal since 1990.

STATE ARCHIVES

It is a specialised wing of the Department of Higher Education functioning as a repository of historical official records.

OTHER ORGANISATIONS / INSTITUTIONS ATTACHED TO THE DEPARTMENT

The organisations/institutes, which come under the administrative and financial jurisdiction of the Department of Higher Education in this State, are :

- (a) Ten State-aided Universities including newly upgraded Bengal Engineering & Science University,
- (b) Degree Colleges (including professional colleges like Engineering and Technological Colleges, Management, Law, Physical & Teacher's Education but excluding Medical, Veterinary, Dental and Agriculture Colleges),
- (c) Various Academic Institutes & Research Organisations of higher learning,
- (d) State Book Board,
- (e) Paschim Banga Hindi Academy,
- (f) Day Students' Homes.

ADMINISTRATIVE SET UP

AUTONOMOUS/VOLUNTARY ORGANISATIONS

Various autonomous/voluntary organisations engaged in the promotion of science, arts and culture and receive grants from the Department of Higher Education. (illustrative) :

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| (a) Bangiya Bignan Parishad. | (h) Indian School of Social Sciences. |
| (b) Bangiya Sahitya Parishad. | (i) Institute of Historical Studies. |
| (c) Centre for Studies in Social Sciences. | (j) Institute of Science, Education and Culture. |
| (d) Jagadish Bose National Science Talent Search. | (k) Netaji Institute of Asian Studies. |
| (e) Indian Association for the Cultivation of Science. | (l) Paschim Banga Itihas Samsad. |
| (f) Institute of Development Studies Kolkata. | (m) Socio-economic Research Institute. |
| (g) R. K. Mission Institute of Culture. | |

2.3 FUNCTIONARIES IN THE DEPARTMENT OF HIGHER EDUCATION

Minister-In-Charge	Prof. Sudarsan Raychaudhuri	2334-6181 (D) Ext. 3011, 3012 Fax-2337-3277 E-mail : michighede@wb.gov.in
Private Secretary	Shri Soumitra Sengupta	
Confidential Assistant	Shri Prasanta Dey	

DEPARTMENT OF HIGHER EDUCATION

Principle Secretary	Shri S. C. Tewary, IAS	Overall charge of the Deptt. and also the Deptt. of Science & Technology.	2337-8573 (D) Ext. 3091 Fax-2358-7266 E.mail : pshe@wb.nic.in
Officer on Special Duty & ex-officio Special Secretary	Shri S. Roy,	Establishment Branch, Budget, Assembly & Parliament Matters – Overall Coordination among different Branches and Sections, State Gazetteers matters, State Archives, Institute of Science Education and Research matters, Alipore Institute of Management & Technology, Distance Education, State aided	2337-6564 (D) Ext. 3092

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		universities, law matters, Merit-cum-Scholarship Scheme of the State Govt., Performance of colleges, Dhirubhai Ambani Institute of Information & Communication Technology at Haringhata.	
Special Secretary	Shri M. Biswas, WBCS (Exe.)	Matters relating to Engineering & Tech. and Management Colleges, WBUT (Tech. matters), World Bank Scheme (TEQIP), Computer Cell, Statistics/Annual Reports, Private Engg. & Management Institution, Protocol, E-Governance, Fee Structure Committee, RTI Act.	2334-2605 (D) Ext. 3094 e-mail : manotosh_biswas@ yahoo.com
Joint Secretary	Shri S. K. Chanda, IAS	All matters relating to State-aided universities including W.B. State Council of Higher Education. All matters relating to Chancellor's Secretariat, Co-ordination with GOI-HRD & UGC, Audit matters, Vigilance matters, Departmental Enquiries, Victorial Memorial Hall, Bankim Bhavan Gabesana Kendra.	2321-2550 (D) Ext.-3098
Joint Secretary	Shri Hrishikesh Gayen	Matters relating to administration of W.B. Govt. Merit-cum-Means Scholarship Scheme, Social Education Branch. Budget Branch.	2358-9662 (D) Ext.-3316
Joint Secretary	Shri Swaraj Ghosh, WBSS	Appointment Branch (Government Colleges), Government Colleges Branch, DPI's Establishment.	2358-9662 (D) Ext.-3316

ADMINISTRATIVE SET UP

Deputy Secretary & SPIO under RTI Act '05	Shri K. K. Bhaumik, WBSS	Establishment Branch. Reservation, including OBC, SC, ST, Disability, Pension Cell, Vigilance Cell, Public Grievance Cell, Right to Information Act.	2337-6740 (D) Ext. 3023
O.S.D. & Ex-officio Deputy Secretary	Shri Manabendra Chakraborty WBCS (Exe.)	C. S. Branch. Establishment of new colleges including B.Ed Colleges but excluding Technical Colleges. College Service Commission matters, Reservation policy, Introduction of new courses in colleges, NAAC matters, Educational Training-BEd/MEd/NCTE, Education etc. State Accreditation of colleges, Institute de Chandernagar.	2321-0058 (D) Ext. 3217
Accounts Officer Ex-Officio Deputy Secretary	Shri A. N. Mukhopadhyay, WBA&AS	Public Accounts Committee and Audit Cell, Budget Branch.	Ext. 3048
Accounts Officer Ex-Officio Deputy Secretary	Shri A. P. Bhattacharyya, WBA&AS	Audit - PAC matters	Ext. 3288
Law Officer	Shri Sukdeb Das	Law Matters, Court cases	Ext. 3168
Law Officer	Shri Jayanta Dhali	Law Matters, Court cases	Ext. 3167
Assistant Secretary	Shri Kartick Ch. Maity, WBSS	Technical Branch	2214-1339 (Direct) Ext. 4022
Assistant Secretary	Mr. Zafar Ahmed, WBSS	All matters relating to establishment of all Universities including W.B. State Council of Higher Education Policy, B.E. College (D.U.), W.B.U.T. etc./ Protocol.	Ext. 3055

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Assistant Secretary	Shri Subir Das, WBSS	Govt. College Branch, Appointment Branch, DPI's Establishment	Ext.-3034
Assistant Secretary	Shri Bipul Kumar Roychowdhury WBSS	Establishment Branch	2321-1216 (D) Ext.-3028
Registrar	Shri Sukumar Roy, WBSS	Establishment, Parliamentary and Assembly matters, Reservations of ST/SC/OBC etc.	2321-1216 (D) Ext.-3068
O. S. D.	Shri Probodh Raha, WBSS	Establishment Branch	2321-1216 (D) Ext.-3062
O. S. D.	Shri Sandip Kr. De, WBSS	Integrated Law Cell (Law matters, Court Cases etc.)	Ext.-3155
O. S. D.	Shri Birendra Nath Ghosh, WBSS	Chancellor's Secretariat	Ext.-3073
O. S. D.	Shri Narayan Goswami, WBSS	University Branch	Ext.-3081
O. S. D.	Shri Kartick Ch. Acharyya	C.S. Branch	Ext.-3080
O. S. D.	Shri Bireswar Roychowdhury, WBSS	Appointment Branch	Ext.-3067
O. S. D.	Shri Brata Kumar Das, WBSS	University Branch	Ext.-3080

ADMINISTRATIVE SET UP

EDUCATION DIRECTORATE

Director of Public Instruction & Ex-officio-Secretary Higher Education Department	Dr. Subha Sankar Sarkar	Overall charge of the Directorate	2337-8269 (D) Ext 3242
Additional D. P. I. (Administration)	Dr. Tapan Kumar Karpna	Govt. Colleges Matters; Administration of the Directorate	2334-398 (D) Ext 3263
Addl. D.P.I. (Physical Education) and State Liaison Officer (NSS) [Addl. charge]	Dr. Atindra Nath Dey	Physical Education & NSS matters	2334-4734 (D) Ext 3149
Joint D. P. I. (P & S)	Dr. Shamsul Alam	Planning & Statistics; Law Matters; Supervision of some Non-Govt. colleges (Addl. Charge)	2334-3004 (D) Ext 3262
Joint D. P. I. (Pay Packet Section) & Liaison Officer (ROA)	Dr. Debesh Roy	Pay Packet of some Non-Govt. colleges; Authentication of Roster of Apptt. (ROA)	2334-0070 (D) Ext 3261
Joint D. P. I. (UGC)	Dr. Asis Kr. Mukherjee	Service matters of some Non-Govt. colleges	Ext 3153
Joint D. P. I. (Hindi)	Vacant		
Joint D. P. I. (UGC)	Dr. Subhasish Chakraborty	Service matters of some Non-Govt. colleges	Ext 3274
Joint D. P. I. (NGC)	Dr. Madan Mohan Majumdar	Service matters of some Non-Govt. colleges; House building loan matters; DDO of the Directorate	Ext 3150
Joint D. P. I. (Training)	Dr. Mili Das	Training Colleges, Pay Packet of Training Colleges	Ext. 3148 2359-1472 (D)
Joint D. P. I. (UGC)	Dr. Bandana Chakrabarti	Service matters of some Non-Govt. colleges	2334-0069 (D) Ext 3152
Joint D.P.I. (GAC)	Dr. Anis Chakrabarti	Service Matters of Some Non-Govt. colleges	Ext 3152

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Deputy D. P. I. (NGC)	Dr. Debdarpan Khan	Service matters of some Non-Govt. colleges	Ext 3151
Joint D. P. I. (UGC) & State Asstt. Public Information Officer	Shri Sandip Kumar Pandit	Service matters of some Non-Govt. colleges Matters concerning Right to Information	Ext 3154
D.R.E.O. (Presidency) Division & Ex-officio Asstt. D. P. I.	Shri Shuvra Dey	Inspection of Collges of Presidency Division	Ext 3161 M : 9433258638
D.R.E.O. (Burdwan) & Ex-officio Dy. D. P. I.	Dr. Ashis Ghosh	Supervision of some Non-Govt. colleges	2680-5188 (D)
D.R.E.O. (Jalpaiguri) & Ex-officio Joint D. P. I.	Shri Krishna Deb Goswami	Supervision of some Non-Govt. colleges; Pay Packet of some Non-Govt. colleges	(03561) 230281
Joint D. P. I. (Scholarship & Stipend) (additional charge)	Shri Subrata Ghosh	NCC matters and Scholarship & Stipend	Ext 3157 M : 9433271418
Administrative Officer	Shri Tapan Ghatak	To assist in administrative matters	Ext 3155
Joint Director of Public Instruction (Accounts)	Shri Prabir Kumar Das	Management of Fund of Endowment Trusts; P. F. Loans and Advances and other financial matters	Ext 3159
Joint Director of Public Instruction (Accounts)	Shri Pijush Kanti Biswas	Pay packet of some Non-Govt.Colleges	Ext 3281
Joint Director of Public Instruction (Pension)	Shri Joydev Pal	Sanction of pension to Non-Govt. college teachers and other staff	Ext 3281

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Deputy Director (Accounts) of Public Instruction	Shri Samir Kr. Das	Pay packet of some Non-Govt. Colleges	Ext 3281
Deputy Director of Public Instruction	Shri Swapan Kumar Nandy	Pay packet of some Non-Govt. Colleges	Ext 3281
Assistant Director (Audit & Accounts) of Public Instruction	Shri Shyamal Goon	Scholarship & Stipend matters	Ext 3272
Assistant Director of Public Instruction (Accounts)	Smt. Sajal Baran Manna	Pay packet of some Non-Govt. Colleges	Ext 3261
Accounts Officer (Internal Audit Cell)	Vacant		Ext 3156
Accounts Officer (Internal Audit Cell)	Shri Sisir Ranjan Palit	Release of pay packets for sponsored colleges and training colleges; Audit of colleges under the control of DPI	Ext 3156
P. A. To D. P. I.	Shri Namita Kar	To assist DPI in general matters and attending to Leave files of non-gazetted staff in the Directorate	

DIRECTORATE OF TECHNICAL EDUCATION

Director of Technical Education & Head SPFU of World Bank funded TEQIP programme	Dr. Sajal Dasgupta	All matters pertaining to Higher Technical Education in the State.	2334-7077 2321-2608 (D) Ext. 3225 FAX 2334-7077 E-mail : dtewbent@ gmail.com
Addl. Director of Technical Education	Dr. A. Basu	Govt. Engineering & Technology Colleges, Establishment & Law matters, Inspections, Self- financing Colleges matter etc.	2334-5817 (D) Ext. 3221 E-mail : amalendu.basu@ yahoo.com

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Joint Director of Technical Education	Shri P. Das	Govt. Engineering & Technological Colleges (partly), Statistics, Data Processing through Computer, AICTE matters, Joint Entrance related matters, Publication, Merit-cum-Means, Establishment of new Colleges etc.	Ext. 3222
Joint Director of Technical Education (Audit & Accounts)	Shri Ashutosh Bose	Financial Matters, Drawing & Disbursing Officer of this Directorate, SPFU, WBUT Self financing Institutions etc.	Ext. 3219
Deputy Director of Technical Education	Mrs. Bidisha Mukherjee (Banerjee)	Private Engineering Colleges, Inspection, Law matters, Establishment of new Engg. Colleges, Asstt. State Information Officer	Ext. 3216
Assistant Director of Technical Education	Smt. Sunita Karketa	Private Management Institutions, different correspondences with Government and external agencies (except AICTE), Miscellaneous matters of DTE and Inspection.	Ext. 3293
Administrative Officer	Shri Krishnadhan Gain	Office Administration including attendance, leave, Merit-cum-Means, etc.	Ext. 3213
P.A. to D.T.E.	Shri Swapna Chakraborty	Miscellaneous works of D.T.E as and when arises.	Ext. 3211

WEST BENGAL DISTRICT GAZETTEERS

State Editor	Shri Ram Bhattacharyya	Overall charge of the office	2334-5400
Deputy State Editor	Vacant		
Asstt. Editor	Suktisita Bhattacharjee	Administrative Officer	2334-7714
Research Officer	Dr. S. Lodh Shri D. G. Mukhopadhyay	D.D.O. & Research Work	Ext. 3181

ADMINISTRATIVE SET UP

WEST BENGAL STATE ARCHIVES

Director	Dr. Atish Dasgupta	Overall charge of the office	2241-3966 2281-0661
Deputy Director	Smt. Aradhana Ghosh	Establishment	2241-1044 Ext. 4022
Assistant Director	Shri Subodh Ch. Das	Current Section	2214-1339 Ext. 4022
Assistant Director	Shri Ananda Bhattacharjee	New functional building	2281-0661
Chief Archivist	Smt. Sumita Sil	Historical Section	2214-1044 Ext. 4022
Chief Archivist	Dr. Sulagna Roy	Historical Section	2241-1044

2.4 UNIVERSITIES AND OTHER IMPORTANT ORGANISATIONS/INSTITUTIONS ATTACHED TO THE DEPTT. OF HIGHER EDUCATION

WEST BENGAL STATE COUNCIL OF HIGHER EDUCATION

Chairman	Prof. Subimal Sen	Ph. 2466-0209 Fax : 2466-0209 / 2465-9566
Vice Chairman	Vacant	
Jt. Secretary	Dr. Jibendu Roy	Ph. 2466-1005 Fax : 2466-0209 / 2465-9566
Member-Secretary	Dr. Dipak Bhattacharyya	

VICE-CHANCELLORS OF THE UNIVERSITIES

Calcutta University	Prof. Suranjan Das	Ph : 033-2241-3288 Fax : 033-2241-3288
Jadavpur University	Prof. Pradip Narayan Ghosh	Ph : 033-2414-6000 (M) 9830538567 Fax : 033-2413-7121
Rabindra Bharati University	Prof. Karunasindhu Das	Ph : 2556-8019 2239-1328 Fax : 2556-8079

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Burdwan University	Prof. Subrata Pal	Ph : 95342-2532900 Fax : 95342-2530452
Kalyani University	Prof. Arabinda Kr. Das	Ph : (033) 2582-8690/8220 Fax : (033) 2582-8282
Vidyasagar University	Prof. Swapan Kr. Pramanik	Ph : 953222-275329 Fax : 953222-264338
North Bengal University	Prof. Arunabha Basu Majumdar	Ph : 95353-2699255 Fax : 95353-2699001
West Bengal State University, Barasat	Prof. A. R. Thakur	Ph : 033-2584-7179, Fax : 033-2584-4177
Gour Banga University	Prof. Gopa Dutta	Ph : 953512226664 Fax : 953512223664
Netaji Subhas Open University	Prof. Manimala Das	Ph : 033-2283-5156/2287-2666 Fax : 033 2283-5082
The West Bengal University of Technology	Prof. Sabyasachi Sengupta	Ph : 033-23217578 Fax : 033-23217578
Bengal Engineering and Science University	Dr. Ajoy Kumar Roy	Ph : 033-2668-2674/4561-64 Fax : 033-2668-2916
Bidhan Chandra Krishi Viswavidyalaya	Dr. R. K. Samanta	Ph : 2587-9772, 03473-222666 Fax : 03473-222278
Uttar Banga Krishi Viswavidyalaya	Prof. A. K. Das	Ph. : 03582-270249/270141 Fax : 03582-270726
West Bengal University of Animal & Fishery Sciences	Prof. C. S. Chakraborti	Ph : 033-2556-3450 Fax : 033-2557-1986
West Bengal University of Health Science	Prof. P. K. Deb	Ph : 033-2321-5388 Fax : 2321-5389
The W. B. National University of Juridical Sciences	Prof. M. P. Singh	Ph: 2335-0534/7379 Fax : 033-2335-7422
Alia University	Prof. Samsul Alam	
Ramkrishna Mission Vivekananda Education And Research Institute (RKMVERI) (Deemed Univeristy Under UGC Act)	Swami Atmapriyananda	Mobile : 9830216636 Telefax : 033-2654-9999
Visva Bharati (Central) University	Prof. Rajat Kanta Roy	Ph : 953463-252451 Fax : 953463-252672

ADMINISTRATIVE SET UP

DIRECTORS OF ACADEMIC BODIES / INSTITUTES / WINGS

Director, Netaji Institute for Asian Studies	Dr. Suranjan Das	Ph : 2247-3145
Director, State Archives	Dr. Atish Dasgupta	Ph : 2241-3966
Institute of English	Prof. D. Chatterjee	Ph : 2466-3039
Secretary, Paschim Banga Hindi Academy	Dr. Alakananda Bhattacharya	Ph : 2219-1277
Director, Regional Centre of Indira Gandhi National Open University (IGNOU)	Dr. Sujit Kr. Ghosh	Ph. & Fax : 2334 9850/7576
Director & Regional Officer, Eastern Region, AICTE	Mr. K.K. Kataria	Ph : 2335-7459 Fax : 2335-9546

CHAIRMAN / CHIEF EXECUTIVE OFFICER / SECRETARY OF BOARDS / COMMISSION

West Bengal College Service Commission, Chairman	Dr. Himanshu Sekhar Ghosh	Ph & Fax : 2241-4679
Board of Joint Entrance Examination, Chairman	Prof. Siddhartha Datta	Ph : 2668 4890 Fax : 9133-2668-4676
West Bengal State Book Board, Chief Executive Officer	Shri Manab Chakraborty	Ph : 2236-7854

UNIVERSITIES AND ORGANISATIONS

Calcutta University	: PABX-033-2241-0071/4984
Vice-Chancellor	: 033-2241-3288 R-033-2574-7474 Fax : 033-2241-3288
Pro. Vice-Chancellor (Academic)	: 033-2219-3763 R-033-2359-1616
Pro. Vice-Chancellor (Finance)	: 033-2241-4984
Registrar	: 033- 2219-3761, Fax : 2241-8788, R-033-2403-1919
Jadavpur University (Main Campus)	: 033-2214-6666, 6194, 6643
Vice-Chancellor	: 033-2414-6000 Fax : 2413-7121, R-2476-8343
Pro. Vice-Chancellor	: 033-2414-6001 R- 2476-8343
Registrar	: 033-2414-6414 R-2418-4903
Rabindra Bharati University (B. T. ROAD CAMPUS)	: PBX-(033) 2556-8019/2543 Fax : 2556-8079
Jorasanko Campus	: 2269-6601/5241/6610/5242
Vice-Chancellor	: 2556-8019/2239-1328 Fax : 2556-8079 R-2455-1210 Qtrs. : 2557-1028
Registrar	: 033-2239-5241/42, 2239-6601, 2239-6610
Burdwan University	: EPABX(0342)-2533-913/914, 2533-917 Fax (0342) –2530-452 TelCode Burdswity
Golap Bag	: EPABX(0342)-556-549, 556-566, 558-554
Vice-Chancellor	: (95342) 2634-900 Fax ((95342) - 2530452 R-(95342) 2634444 / 2557715 (Krishnapur)
Registrar	: (0342) 2530300 /Extn. 211/ R-2530526 Extn : 212 M : 9434238440
Kalyani University	: (033) 2582-8750
Vice-Chancellor	: (033) 2582-8690/8220 Fax : 2582-8282 Qtr : 2582 8340 [Burdwan R : 24318700/2273]
Registrar	: (033) 2582-2505, Fax : 2582-2505, 2582-8750
North Bengal University	: (0353) 258-1255/2099, Fax : (0353) 258-1212
Vice-Chancellor	: (95353) 2699255 Fax : (95353) 2699001 Qtr : 2699324 [Kol R-2431-8700/2273]
Registrar	: (0353) 2582-099 Fax : 0353-2699-099

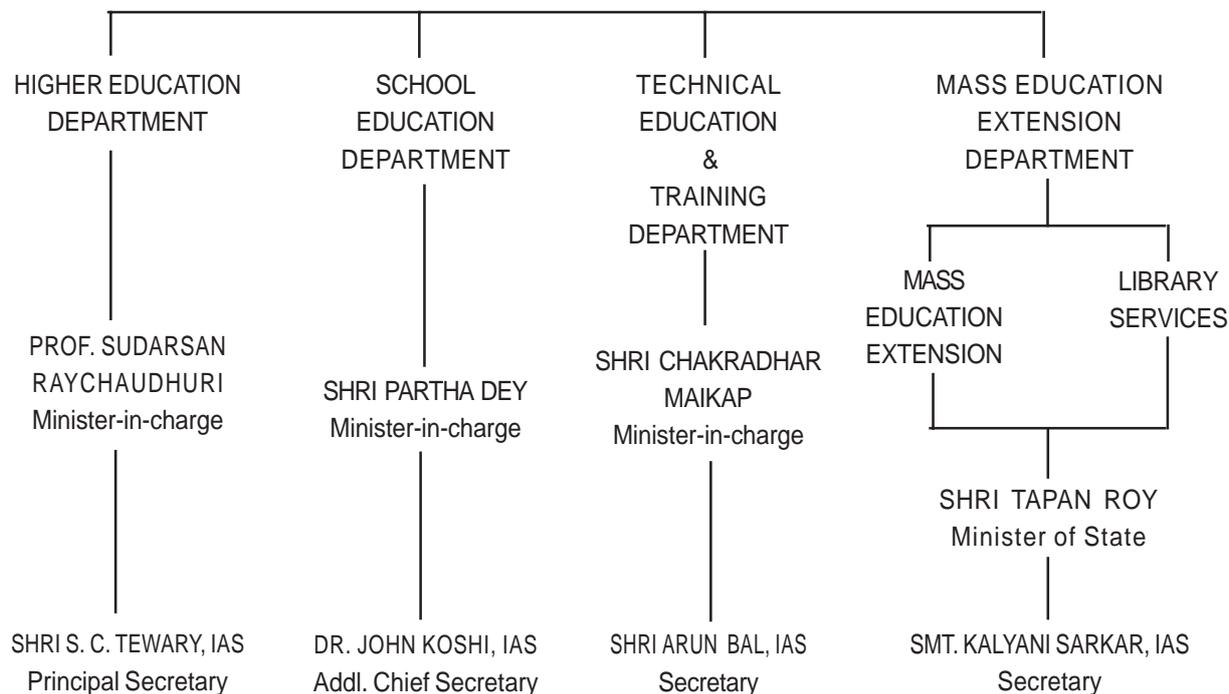
ADMINISTRATIVE SET UP

Vidyasagar University	: PBX: 953222 60554
Vice-Chancellor	: (953222) 275329 Fax : (953222) 275329 (Kol R : 25771361)
Registrar	: (953222) 275-329 R – 03222-275297
Bidhan Chandra Krishi Viswavidyalay (Mohanpur, Nadia)	: Ph. 033-2587-9772/8163, Fax : 033-2587-8163
Vice-Chancellor	: 2587-9772 Fax : 03473-222275 R – 25920088
Registrar	: 2585-8163
University of Animal and Fishery Sciences	: (033)-2556-3450/3396
Vice-Chancellor	: 033-2556-3450 Fax : 2557-1986 R.-2583-7098
West Bengal University of Health Sciences	: (033)-2321-5388/5389 Fax : (033) 2358-0100
Vice-Chancellor	Ph. : 2321-5388 Fax : 2321-5389
The W. B. National University of Judicial Sciences	: (033) 2335-0534/0765 Fax : (033) 2335-0765
Vice-Chancellor	Ph. : 2335-0534/7379 Fax : 033-2335-7422
Bengal Engineering and Science University	: (033) 2668-2674/1503 Fax : (033) 2668-4564
Vice-Chancellor	: 2668-2674/4561-64 Fax : 2668-2916 R : 24751735
Registrar	: 2668-1503
Netaji Subhas Open University	: 033-2287-1056/2666
Vice-Chancellor	: 2283-5156 / 2287-2666 Fax : 2283-5082 R- 2464-2047
Registrar	: 287-0159
West Bengal University of Technology	: 2281-1907/1908
Vice-Chancellor	Tel & Fax : 23217578 (O), R-23596287
Registrar	: 2321-1327
Uttar Banga Krishi Viswa Vidyalaya.	: 03582-270-143/157 Fax : 03582-270-249
Vice-Chancellor	: 03582-270249
Ramkrishna Mission Vivekananda Education And Research Institute (RKMVERI) (Deemed Univeristy Under UGC Act)	Mobile : 98302-16636 Telefax : 033-2654-9999
Vice-Chancellor	Mobile : 98302-16636, E-mail : rkmveri@gmail.com, atmapriyananda@gmail.com,
Visva Bharati	: (953463) 52-751, 52756
Vice-Chancellor	: (953463) 252451/52481 Fax : (953463) 252672

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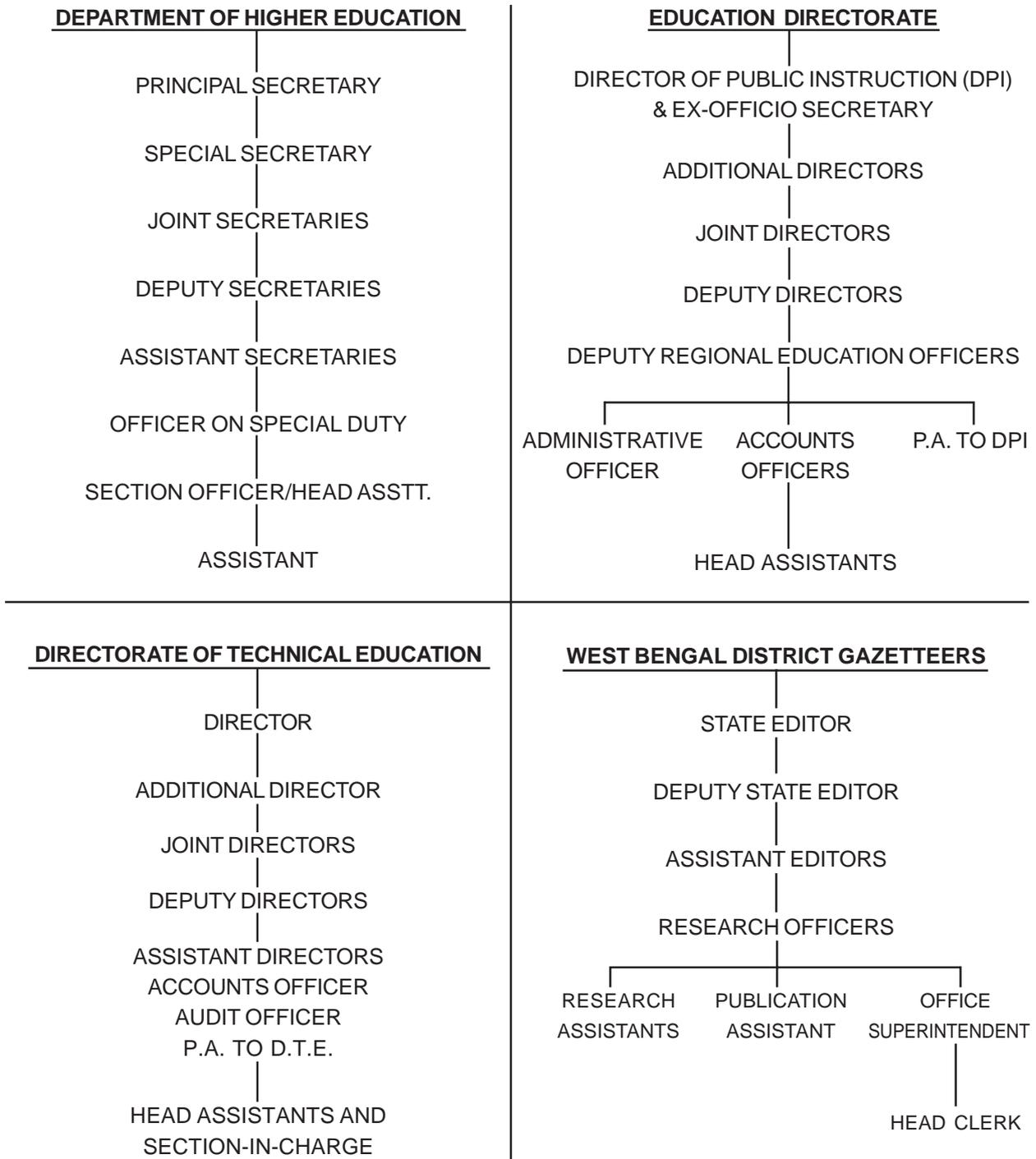
Public Service Commission	
Chairman	: 2466 0546/1540
Secretary	: 2466-2895
State Minority Commission	
Chairman	: 2439 8877/ Res. 2284 5437
Indira Gandhi National Open University (Regional Office) Bikash Bhaban, Salt Lake	: 2334-7576 Fax : 2334 9850
Director	: 2334-9850/7576
UNIVERSITY GRANTS COMMISSION Eastern Regional Office	: 2335- 4767/335- 47688-0586/4767 Website : www.ugc.sc.in
Urdu Academy	: 2244-8450

EDUCATION IN GOVERNMENT OF WEST BENGAL

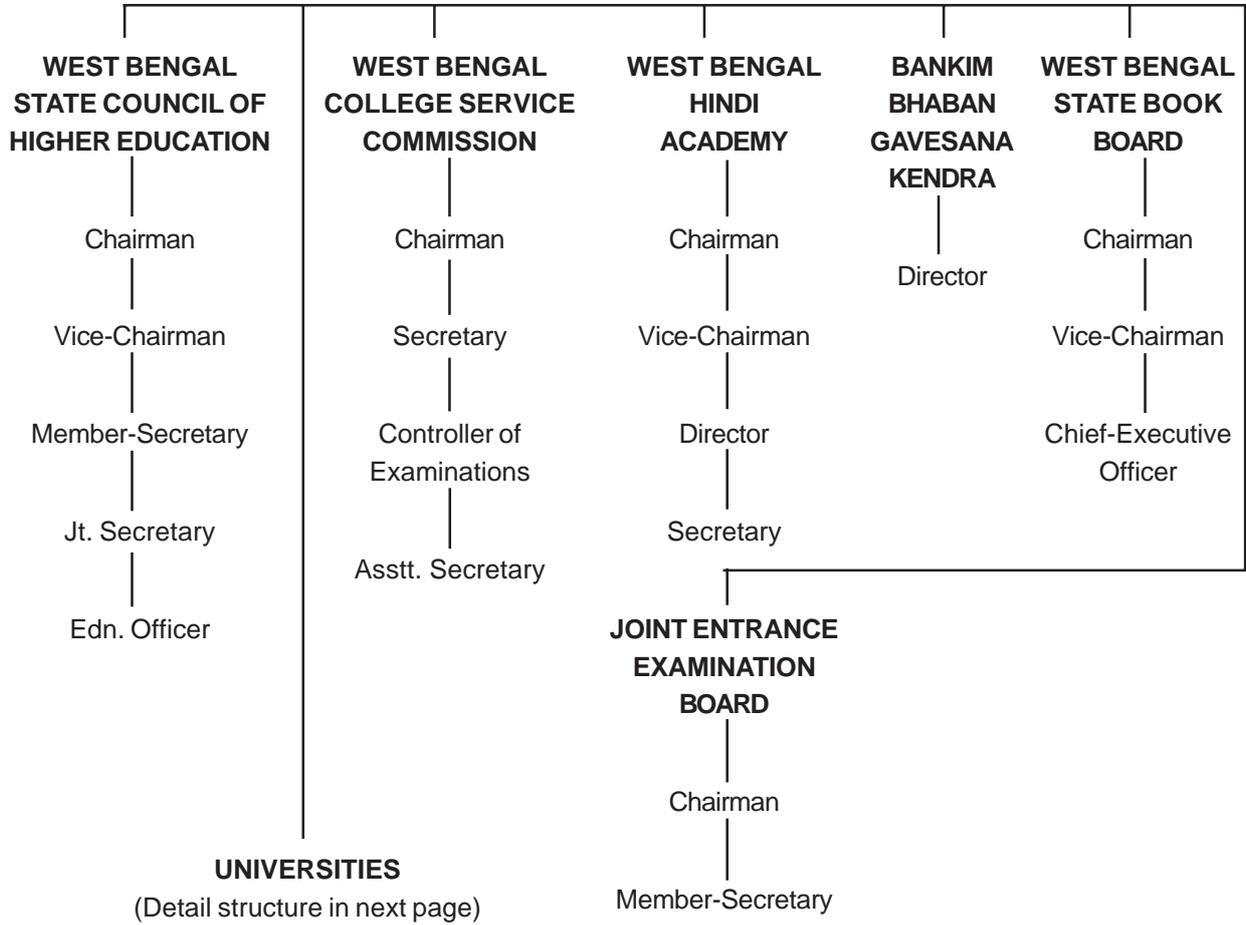


ADMINISTRATIVE SET UP

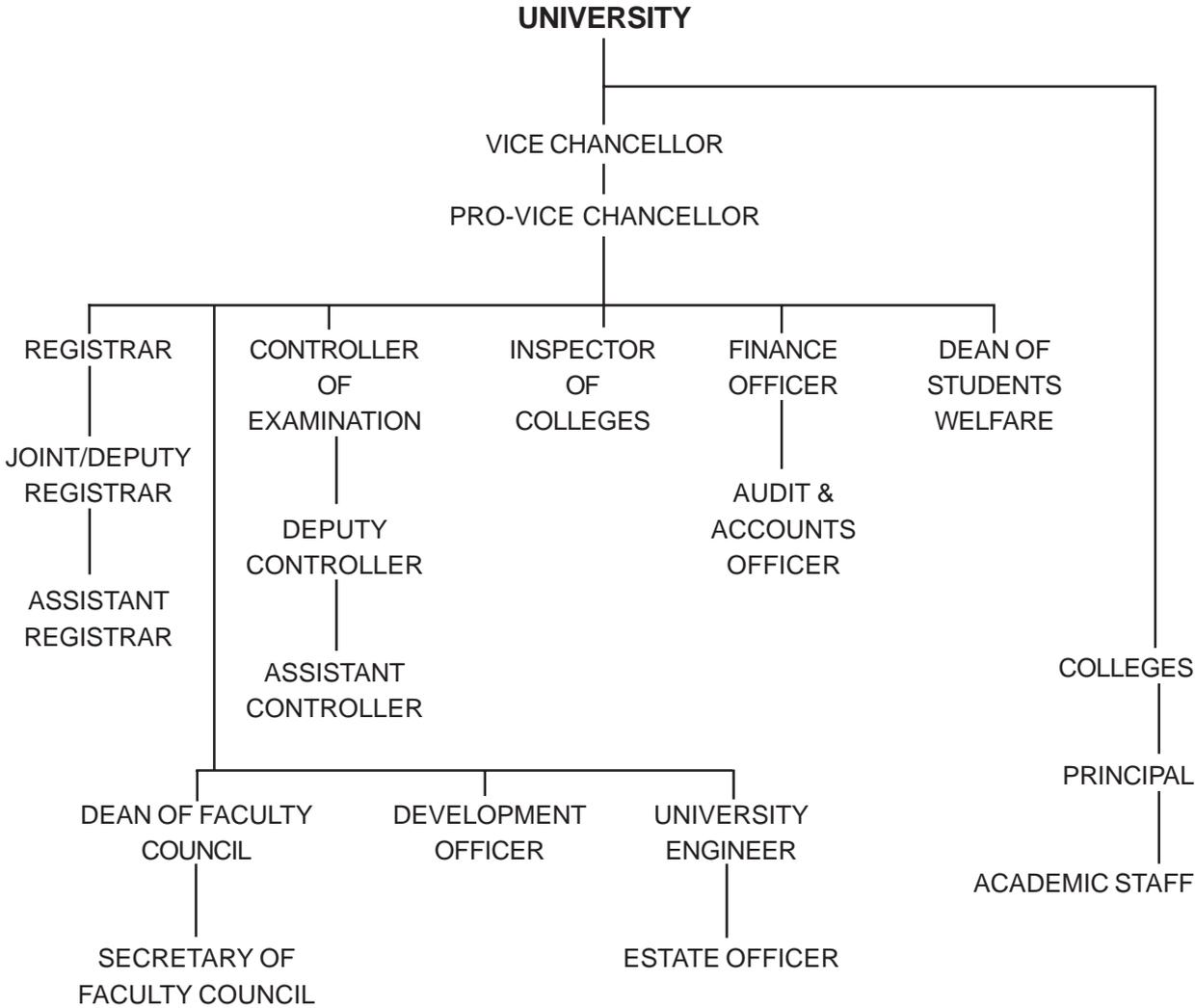
ADMINISTRATIVE MANAGEMENT



ORGANISATIONS ASSOCIATED WITH THE DEPARTMENT OF HIGHER EDUCATION



ADMINISTRATIVE SET UP



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CHAPTER – 3

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

- 3.1 *Introduction***
- 3.2 *Policies***
- 3.3 *Budget of the Higher Education
Department***
- 3.4 *Post Graduate courses in General Degree
Colleges***
- 3.5 *Technical Education***
- 3.6 *University Education***
- 3.7 *Non-Government Colleges***
- 3.8 *Government Colleges***
- 3.9 *Measures for quality improvement of
Higher Education***
- 3.10 *Scholarship and Stipend***
- 3.11 *Full and Half Free Studentship for the
Engineering & Technology Students***
- 3.12 *Physical Education***

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

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CHAPTER – 3

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

3.1 INTRODUCTION

Two new universities e.g. West Bengal State University, Barasat and Gour Banga University have been established during the year. Out of the three Govt. Degree Colleges proposed to be set up, one college at Siliguri has already been established. Substantial progress has been made in respect of other two colleges. The West Bengal State Council of Higher Education Act, XXXVII of 1994 has been amended. Accreditation status of the colleges (by NAAC) has been improved substantially. Scope for Post Graduate education has been expanded in General Degree Colleges. The State Govt. has provided fund for the construction, repair and renovation of buildings, setting up of laboratories and new class rooms in the universities and colleges. The Government, as in previous years, approved the setting up of self financing colleges including non-government colleges and B.Ed. Colleges under pay packet scheme and sanctioned the creation of teaching and non-teaching posts for these colleges. Govt. also created new teaching posts in non-government colleges and provided funds for development of infrastructure. The West Bengal State Council of Higher Education took an active role in coordinating activities of the state universities and advised them on various issues relating to improvement in the quality of Higher Education in the State. For Qualitative improvement of technical education. The State Govt. has introduced a system for assessing the colleges. To assist the poor and meritorious students, scope of Merit-cum-Means Scholarship has been expanded.

3.2 POLICIES

The following principles have guided the formulation and implementation of different programmes for higher education.

- (i) Expansion of access to higher education and decentralisation of power-base.
- (ii) Equity in educational opportunity and social justice.

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

- (iii) Consolidation and qualitative improvement of colleges and expanding the base of social relevance of higher education.
- (iv) Linkage of education to employment through vocationalization.
- (v) Emphasis on engineering and technological education with special reference to Information Technology and Bio-Technology.
- (vi) Diversification of subject compositions.
- (vii) Emphasis on Basic Science courses and scientific research.
- (viii) Emphasis at the same time on arts, culture, languages, physical education and humanistic values.
- (ix) Mobilisation of internal resources.
- (x) Accountability at all levels.

3.3 BUDGET OF THE HIGHER EDUCATION DEPARTMENT

The total budgetary provision excluding the provision under Central Scheme for the year 2008-2009 and 2009-2010 have been Rs. 9,86,95,01,000 and **17,33,83,60,000** respectively out of which the amount provided in the Plan Budget was Rs. **1,18,50,00,000** and **1,49,00,00,000** respectively.

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TABLE 1 : BUDGET ESTIMATE (2008-2009) AND (2009-2010) OF THE DEPARTMENT OF HIGHER EDUCATION AT A GLANCE

Amount in Rupees

Budget Heads	Budget Estimate 2008-2009		Budget Estimate 2009-2010	
	Non-Plan	State-Plan	Non-Plan	State-Plan
Assistance to Universities	3,38,04,85,000	39,47,10,000	6,62,47,88,000	58,78,00,000
Government Colleges and Institutes	39,47,10,000	15,37,50,000	1,18,63,56,000	19,55,00,000
Assistance to Non-Government Colleges	4,11,08,95,000	34,89,00,000	7,27,58,19,000	36,00,00,000
Institutes of higher learning and Other Expenditure	5,25,13,000	6,97,30,000	7,88,88,000	9,73,10,000
Promotion of Modern Indian Languages	33,73,000	31,20,000	62,74,000	40,40,000
Research, Scholarships, etc.	25,21,59,000	61,10,000	27,04,72,000	63,10,000
Technical Education	18,19,48,000	15,61,10,000	31,63,31,000	17,80,10,000
Physical Education & Youth Welfare (Excluding N.C.C.)	1,70,71,000	2,53,00,000	2,49,33,000	2,70,00,000
Promotion of Art and Culture	4,10,61,000	2,72,70,000	5,67,16,000	3,40,30,000
Surveys and Statistics-Gazetteer & Statistical Memories-3454-02-110-NP-002	56,07,000	NIL	77,83,000	NIL
TOTAL	8,68,45,01,000	1,18,50,00,000	15,84,83,60,000	1,49,00,00,000
GRAND TOTAL (Non-Plan + Plan)	9,86,95,01,000		17,33,83,60,000	

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

TABLE 1(A) : STATEMENT OF ANNUAL PLAN ALLOCATION FOR 2007-2008 AND EXPENDITURE INCURRED DURING 2007-2008

Rs. in lakhs

Head of Development	Outlay for 2007-2008	Revised Outlay for 2007-2008	
1. Higher Education Department	-	-	-
2. Social Services Education, Sports and Youth Services, Arts & Culture			
i) General Education	24,50.00	34,50.50	33,09.21
ii) Sports & Youth Services	1,00.00	1,00.00	1,13.71
iii) Arts & Culture	2,50.00	2,50.00	1,94.94
iv) Technical Education	12,00.00	12,06.00	12,34.44
Total Higher Education :	4000.00	5006.50	4852.30

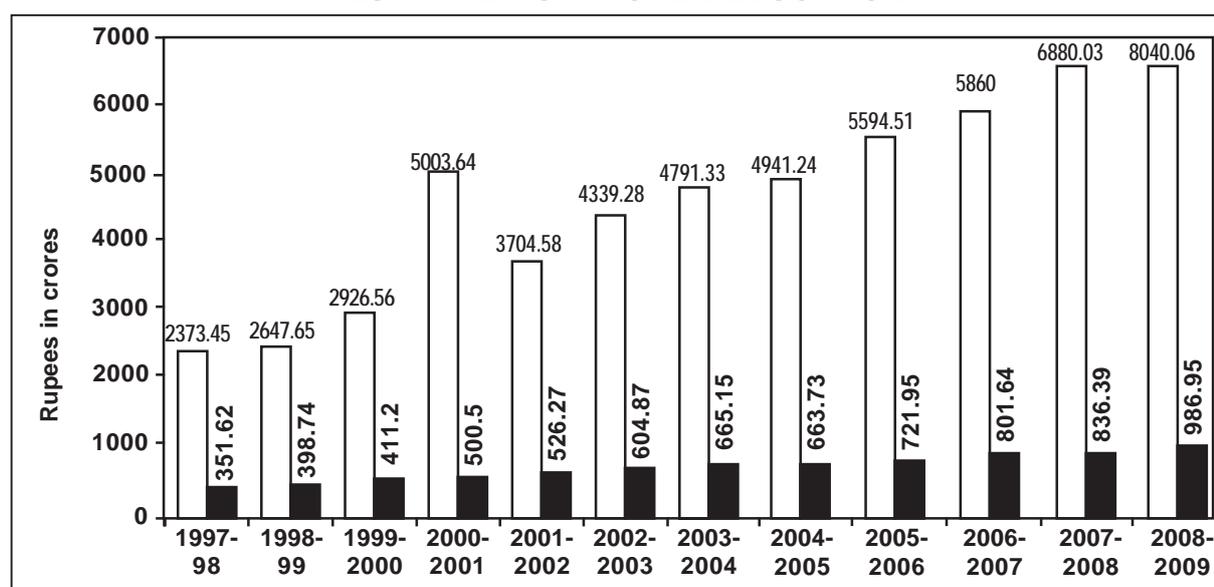
TABLE 2 : TOTAL BUDGET ESTIMATE OF THE DEPARTMENT OF HIGHER EDUCATION THROUGH THE YEARS

YEAR	AMOUNT IN RUPEES	
	NON-PLAN	STATE PLAN
1995-96	2,93,28,21,000	23,00,00,000
1996-97	3,25,56,64,000	26,05,00,000
1997-98	3,63,71,16,000	35,00,00,000
1998-99	3,77,69,68,000	33,50,00,000 + 5,00,00,000 (loan)
1999-2000	4,57,79,78,000	33,00,00,000 + 10,00,00,000 (Loan from I.D.F.C.)
2000-2001	5,02,81,77,000	23,45,50,000 + 21 crores by way of grant to local bodies Zilla Parishad for higher education
2001-2002	5,79,07,45,000	25,80,00,000 + 23.10 crores by way of grant to local bodies/Zilla Parishad for higher education
2002-2003	6,51,39,60,000	25,86,32,000
2003-2004	6,58,83,93,000	6,31,12,000
2004-2005	6,57,40,53,000	6,32,00,000
2005-2006	7,11,62,92,000	10,32,00,000
2006-2007	7,66,63,90,000	35,00,00,000
2007-2008	7,96,38,89,000	40,00,00,000
2008 -2009	8,68,45,01,000	1,18,50,00,000

TABLE 3 : BUDGETARY POSITION OF HIGHER EDUCATION DEPARTMENT WITH REFERENCE TO THE TOTAL STATE BUDGET AND THE BUDGET FOR EDUCATION SINCE 1996-1997
(Rupees in crores)

YEAR	TOTAL STATE BUDGET	TOTAL B. E. ON EDUCATION	% OF B. E. ON EDUCATION WITH RESPECT TO STATE BUDGET	TOTAL B. E. FOR HIGHER EDUCATION	% OF B. E. OF HIGHER EDUCATION WITH REFERENCE TO B.E. ON EDUCATION	REMARKS
1996-97	12814.80	2373.45	18.52%	351.62	14.81%	
1997-98	14916.03	2647.65	17.75%	398.74	15.00%	
1998-99	16560.44	2926.56	17.67%	416.20	14.22%	
1999-2000	25034.42	5003.64	19.99%	500.80	10.01%	
2000-2001	24481.95	3704.58	15.13%	526.27	14.21%	
2001-2002	29238.96	4339.28	14.84%	604.87	13.94%	
2002-2003	30928.75	4770.31	15.42%	677.26	14.20%	
2003-2004	35344.62	4791.33	13.56%	665.15	13.88%	
2004-2005	38517.56	4941.24	12.83%	663.73	13.43%	
2005-2006	37770.10	5594.51	14.81%	721.95	12.90%	
2006-2007	42175.53	6716.30	15.92%	801.64	11.94%	
2007-2008	45882.45	6880.03	14.99%	836.39	12.16%	
2008-2009	51537.73	8040.06	15.60%	986.95	12.28%	

PATTERN OF TOTAL BUDGET ESTIMATE FOR EDUCATION AND TOTAL BUDGET ESTIMATE FOR HIGHER EDUCATION



MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

TABLE 4: BUDGETARY ALLOCATION FOR EDUCATION WITH REFERENCE TO THE STATE BUDGET AND THE BUDGET FOR HIGHER EDUCATION WITH REFERENCE TO EDUCATION 2008 -09

(Rs in crores)

Items	Total State Budget for West Bengal	Total Budget for Education	% of Budget Provision on Education with reference to State Budget	Total Budget for Higher Education	% of Budget Provision of Higher Education Department with reference to Budget on Education	Remarks
1	2	3	4	5	6	7
Plan Schemes	12469.98	1584.76	12.71%	118.50	7.48%	
Non Plan Scheme	39067.75	6455.30	16.52%	868.45	13.45%	
Grand Total	51537.73	8040.06	15.60%	986.95	12.28%	

3.4 POST-GRADUATE COURSES IN GENERAL DEGREE COLLEGES

Sl. No.	NAME OF COLLEGES WITH AFFILITING UNIVERSITY	SUBJECTS IN INTRODUCED POST- GRADUATE LEVEL
Calcutta University		
1.	Presidency College, Calcutta	Physics, Chemistry, Geology, Zoology, Physiology, Botany, Geography, Applied Economics, Hindi, Environmental System Management, Molecular Biology & Genetics, Bengali, History, Philosophy, Political Science, Sociology and English.
2	Bethune College	Botany, Zoology
3.	Maulana Azad College	Zoology

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4.	Lady Broune College	Geography, Microbiology, Mathematics
5.	Barasat Govt. College	Botany
6.	Goenka College of Comm. and Business Adm	Commerce
7.	Bidhannagar College	Zoology, Microbiology
8.	Taki Govt. College	Bengali
9.	Sanskrit College	Sanskrit
10.	Asutosh College, Kolkata	Environmental Science
11.	Dinabandhu Andrews College	Zoology, Electronics
12.	Bangabasi College	Zoology
13.	Rishi Bankim Chandra College Naihati	Zoology
14.	Rammohan College	Physiology
15.	A.P.C. College, New Barrackpore	Microbiology, Electronics
16.	Rastraguru Surendranath Colls, Barrackpore	Microbiology, Computer Sciences
17.	St. Xavier College	Computer Sciences
18.	Scottish Church College	Zoology, Chemistry, Botany
19.	Bongaon Dinabandhu Mahavidyalaya	Bengali
20.	R.K.M. Residential College, Narendrapur	Chemistry, Physics
21.	Vidyasagar College	Zoology
22.	Bijoygarh Jyotish Roy College	Microbiology
23.	Belur Ram Krishna Mission Vidyamandir	Mathematics, Sanskrit
24.	Fakir Chand College, Diamond Harbour	Education
25.	David Hare Training College	M.Ed, M.Phil (with Netaji Open University)
26.	Post Graduate Training College for Physical Education, Banipur	Physical Education(M.P.Ed)

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

27.	Institute of Education for Women, Hasting House, Alipore	M.Ed
28.	State Institute of Physical Education for Women, Hastings House Alipore	M.P.Ed.
29.	Govt. College of Art and Craft	Visual Arts (MVA)
Burdwan university		
30.	Hooghly Mohsin College, Hooghly	Political Science, Physilogy, Commerce, English
31.	Chandernagar College, Hooghly	Geography, Bengali
32.	Bankura Christian College	English, Bengali
33.	Durgapur Govt. College	Geology
34.	B.B. College, Asansol	Physics
35.	J.K. College Purulia	Mathematics
36.	Burdwan Raj College	Bengali
37.	Burdwan Vivekananda College	Chemistry
38.	Burdwan M.U.C College	English
39.	Durgapur College of Commerce & Science	Biochemistry
Kalyani university		
40.	Krishnagar Govt. College	Philosophy & Geography
41.	Krishnanath College, Berhampur	Sericulture, Physiology, Sanskrit
42.	Kanchrapara College, Kanchrapara	Hindi
North Bengal University		
43.	A. B. N. Seal College	Bengali, Sanskrit, Zoology
44.	Darjeeling Govt. College. Darjeeling	Zoology, Botany, Nepali, English
45.	Malda College	English, History
46.	Balurghat College	Bengali, Commerce
47.	Raiganj College	Bengali
48.	Ananda Chandra College	Bengali

Vidyasagar University		
49.	Jhargram Raj College	Chemistry, Zoology
50.	Raja N.L. Khan Women College	Zoology
51.	Midnapore College	Physics / Chemistry
52.	Kharagpur College	Bengali
53.	Rabindra Satabarshiki Mahavidyalaya	Sanskrit
54.	Prabhat Kumar College	Physics
55.	Tamralipta Mahavidyalaya	Bengali
56.	Panskura Banamali College	Computer Science

30-PG Course*3.5 TECHNICAL EDUCATION**

Nine new degree level Engineering Colleges and one new degree level Pharmacy College have been set up on self-financing basis in the academic session 2008-2009. Total number of Engineering & Technological institutes (including University Engineering departments) in the State is at present 72 with an approved intake of around 20,200.

10 courses in six Govt. Engineering & Technological Colleges and 39 courses in 10 Non-Govt. Engineering & Technological Colleges have been accredited by the National Board of Accreditation, New Delhi.

Under Technical Education Quality Improvement Programme (TEQIP). Rs. 65 crore has been released during the year. Lifetime allocation under the Project, as approved by GOI is Rs. 154.80 crore to be utilized over a period of 4 years ending in 2008.

Degree Course in Electrical Engineering has been introduced in Kalyani Govt. Engineering College. A post graduate course in Leather Technology (M.Tech.) has been introduced in Govt. College of Engg. & Leather Technology. A financial grant of Rs. 84 lakh has been sanctioned during the year for development of PG Laboratory and also to undertake essential electrification work in this connection.

A project for construction of a new college building at Govt. College of Engineering & Textile Technology, Berhampore has been sanctioned at an estimated cost Rs. 3 crore out of this amount Rs. 20 lakh has already been released.

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

3.6 UNIVERSITY EDUCATION

The State Government has sanctioned a total sum of Rs. 35,47,62,000 Lakh in the Annual Plan to State-aided Universities viz. Calcutta, Jadavpur, Kalyani, Burdwan, North Bengal, Rabindra Bharati, Vidyasagar during the financial year 2008-2009. Out of this amount, a sum of Rs. 5,59,33,000 Lakh is meant for construction / development and purchase of books & journals in respect of 7 (Seven) State aided Universities. A sum of Rs 1,29,70,000 Lakh has also been sanctioned and released to Netaji Subhas Open University towards maintenance grants. For Bengal Engineering & Science University the State Govt. has sanctioned Rs. 1,47,60,000 Lakh during 2008-2009 for construction / development . For West Bengal State University at Barasat Rs.18,68,65,000.For Gourbanga University Rs.5,71,67,000 and for W.B.U.T. Rs. 2,50,00,000.

STATEMENT OF ACTUAL EXPENDITURE IN THE UNIVERSITIES (ANNUAL PLAN SCHEMES) DURING 2008-2009

(Rs. In lakh)

University	Year	Construction	Books and Journals	Total
Calcutta	2008-2009		30.00	30.00
Jadavpur	2008-2009	156.19	-	156.19
Kalyani	2008-2009	155.12	31.19	186.31
Burdwan	2008-2009	55.00	30.00	85.00
North Bengal	2008-2009	15.66	36.55	52.21
Rabindra Bharati	2008-2009	Nil	Nil	Nil
Vidyasagar	2008-2009	17.16	32.46	49.62
West Bengal State University	2008-2009	1868.65	-	1868.65
Gour Banga University	2008-2009	561.67	10.00	571.00
Total	2008-2009	2829.45	170.20	2961.98

3.7 NON-GOVERNMENT COLLEGES

The State Government assists the non-government colleges to improve their quality of education and infrastructure.

Funds are sanctioned for development programmes such as repair/construction of classrooms, common rooms, toilets, libraries, laboratories, auditoriums, hostels, and boundary walls as well as repair/installation of electrical works.

- (1) Some of the colleges which have received financial assistance for construction of Library building and Reading Room are Chandraketurgh Sahidullah Smriti Mahavidyalaya, N-24-Pgns.; Sankrail Anil Biswas Smriti Mahavidyalaya, Paschim Medinipur; Tarakeswar Degree College, Hooghly; Nabagram Hiralal Paul College, Hooghly; Chandrapur College, Burdwan; Sitalkuchi College, Cooch-Bihar; Kalna College, Burdwan; Dukhulal Nibran Chandra College, Murshidabad; Pakuahat College, Malda; Chandidas Mahavidyalaya, Birbhum; Ramsaday College, Howrah; Sukumar Sengupta Mahavidyalaya, Paschim Medinipur; Sabang Sajani Kanta Mahavidyalaya, Paschim Medinipur

Women's Hostel

- (2) Some of the colleges which have received financial assistance for construction of Hostel for Girls Students are Pingla Thana, Mahavidyalaya, Paschim Medinipur; Joypur Panchanan Roy College, Howrah; Chatra Ramai Pandit Mahavidyalaya, Bankura; Raja N. L. Khan Womens' College, Paschim Medinipur; Belda Colleges, Paschim Medinipur (Hostel for SC/ST Girls); Sailajananda Falguni Smriti Mahavidyalaya, Birbhum; Silda Chandra Sekhar College, Paschim Medinipur.
- (3) Development of Colleges for Women which have received financial assistance for construction of building are Vivekananda College for Women, Kolkata; Balurghat Mahila Mahavidyalaya, Dakshin Dinajpur; Hiralal Mazumder Memorial College for Women, Kolkata; Durgapur Womens' College, Burdwan; Siliguri Mahila Mahavidyalaya, Darjeeling; Mahishadal Girls College, Purba Medinipur; N. L. Khan Womens' College, Paschim Medinipur; Raniganj Girls College, Burdwan, P.D. Womens College, Jalpaiguri; Nistarini College, Purulia; thakur Panchanan Mahila Mahavidyalaya, Cooch-Bihar; Prunidevi Choudhury Girls College, Birbhum.
- (4) Development of Colleges under TASP which have received financial assistance for construction of building/Boy's Hostel/Girls' Common-room are Parimal Mitra Smriti Mahavidyalaya, Jalpaiguri; Seva-Bharati Mahavidyalaya, Paschim Medinipur; Khatra Adibasi Mahavidyalaya, Bankura. Development of non-Govt. Colleges which have received funds for repair work, internal road are Amdanga Jugal Kishore Mahavidyalaya, N-24-Pargs; Nahata Jogendranath Mandal Smriti

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

Mahavidyalaya, N-24-Pargs; Saheed Nurul Islam Mahavidyalaya, N-24-Pargs; Kabi Joydeb Mahavidyalaya, Birbhum; Sambhanath College, Birbhum; Barabazar Kikram Tudu Memorial College, Purulia; Manbhum Mahavidyalaya, Purulia; Raghunathpur College, Purulia; Raja Rammohan Roy Mahavidyalaya, Hooghly; Dr. Meghnad Saha College, Uttar Dinajpur; Belda College, (Boys Hostel for SC/ST); Sailajananda Falguni Smriti Mahavidyalaya, Birbhum; Turku Hansda Lapsa Hembram Mahavidyalaya, Birbhum; Kalipada Ghosh Tarai Mahavidyalaya; Chandraketurgh Sahidullah Smriti Mahavidyalaya, N-24-Pargs; Maharaja Nanda Kumar Mahavidyalaya, Purba Medinipur; Galsi Mahavidyalaya, Burdwan; Kabi Nazrul College, Birbhum; Chandidas Mahavidyalaya, Birbhum; Raghunathpur College, Purulia; Gour Mahavidyalaya, Malda; St. Joseph College, Darjeeling; Vidyasagar Teachers' Training College, Paschim Medinipur; Subhas Chandra Bose Centenary College, Murshidabad; Sonada Degree College, Darjeeling; Susil Kar College, S-24-Pargs; Sankrail Anil Biswas Smriti Mahavidyalaya, Paschim Medinipur; Netaji Mahavidyalaya, Hooghly; Y.S. Palpara Mahavidyalaya, Purba Medinipur; Kalyani Mahavidyalaya, Hooghly; Shree Ramkrishna B.T. College, Darjeeling; Sital Kuchi College, Cooch Behar; Silda Chandra Sekhar College, Paschim Medinipur; Netaji Subhas Mahavidyalaya, Haldi bari, Cooch Behar; Joypur Panchanan Roy College, Howrah; Raghunathpur College, Purulia; Haringhata Mahavidyalaya, Nadia; Jamini Roy College, Bankura; Nahaa Jogendra Nath Mandal Smriti Mahavidyalaya, N-24-Pargs;; Sudhiranjan Lahiri Mahavidyalaya, Nadia; R. K. Mission Vidyamandir, Belurmth, Howrah; Naba Barrackpore Prafulla Chandra Mahavidyalaya, N-24-Pargs; A.P.C. College, New Barrackpore; Hijli College, Paschim Medinipur; Dukhulal Nibarhan Chandra College, Murshidabad; Jatindra Rajendra Mahavidyalaya, Murshidabad; Nagar College, Murshidabad; Vidyasagar Mahavidyalaya, Hooghly; Kaliachak College, Malda; Sankrail Anil Biswas Smriti Mahavidyalaya, Paschim Medinipur; Mahitosh Nandy Mahavidyalaya, Hooghly; Kabikankan Mukunda Ram Mahavidyalaya, Hooghly; Rabindra Mahavidyalaya, Hooghly; Kalinagar Mahavidyalaya, N-24-Pargs; Kharagpur College, Paschim Medinipur; Chandidas Mahavidyalaya, Birbhum; Panchmura Mahavidyalaya, Bankura; Khatra Adibasi Mahavidyalaya, Bankura; Debra Thana Sahid Kshudiram Smriti Mahavidyalaya, Paschim Medinipur; Sovarani Memorial College, Howrah; Indas Mahavidyalaya, Bankura; Khandra Radhakanta Kundu Mahavidyalaya, Burdwan; Vivekananda Mission Mahavidyalaya, Purba Medipur; Iswar Chandra Patha Bhavan, Kolkata; Garbeta College, Paschim Medinipur; Khandra College, Burdwan; Dr. Bhupendranath Dutta Smriti Mahavidyalaya, Burdwan; Belda College, Paschim Medinipur; Hijli College, Paschim Medinipur; Vivekananda Satavarshiki Mahavidyalaya, Paschim Medinipur; A.P.C. College, N-24-Pargs; Syamsundar College, Burdwan, Sitananda College, Purba Medinipur; Santhal Bidroha Sardha Satabarsiki Mahavidyalaya, Paschim Medinipur; Sukumar Sengupta Mahavidyalaya, Paschim Medinipur; Nabagram Hiralal Paul College, Hooghly ; Bamanpukur Humayun Kabir Mahavidyalaya, N-24-Pargs; Gour Mahavidyalaya, Malda; Seva Bharati Mahavidyalaya, Paschim Medinipur; Maynaguri College, Japaiguri; Panchakot Mahavidyalaya, Purulia; Dwijendralal

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College, Nadia; Kurseong College, Darjeeling; Dewanhat Mahavidyalaya, Cooch Behar; P.N. Das College, N-24-Pargis; Prof. S. Nurul Hasan College, Murshidabad; Narajole Raj College, Paschim Medinipur; Ramnagar College, Purba Medinipur; Raghunathpur College, Purulia; Abhedananda Mahavidyalaya, Birbhum; Bakshirhat Mahavidyalaya, Cooch Behar; Ramsaday College, Howrah; Ramananda College, Bankura; Sabang Sajanikanta Mahavidyalaya, Paschim Medinipur; Khalisani Mahavidyalaya, Hooghly; Onda Thana Mahavidyalaya, Bankura.

Funds have also been provided for purchase of Books Laboratory equipment and for holding 10th Inter Non-Govt College Athletic Meet and Football Championship'2009 at Yuba Bharati Krirangan & Bidhan Nagar Sports Complex, Salt Lake, Kolkata.

Non-Govt. Colleges Expenditure during the Financial Year 2008-09 under the plan Heads under SCP & TASP

(Rs. in Lakhs)

Sl. No.	Head of A/c	Provision	Expenditure	Savings	Remarks
1.	SCP 2202-03-789-Special Component Plan for SC-SP (AP and 10th Plan)-002-Dev. of Library and reading room facilities [EH]-31-02	60.00	60.00	NIL	
2.	SCP 2202-03-789-Special Component Plan for SC-SP (AP and 10th Plan)-003-Hostels for girl students [EH]-31-02	102.00	27.45	74.55	
3.	SCP 2202-03-789-Special Component Plan for SC-SP (AP and 10th Plan)-004-Dev. of Colleges for Women [EH]-31-02	77.50	46.11	31.39	
4.	TASP 2202-03-796-Tribal areas Sub-Plan -004-Dev. of Non-Govt. Colleges [EH]-31-02	27.50	27.50	NIL	
TOTAL :		267.00	161.06	105.94	

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

Expenditure during the Financial Year 2008-09 under the plan Heads under In respect of Non-Govt. Colleges

(Rs. in Lakhs)

Sl. No.	Head of A/c	Provision	Expenditure	Savings	Remarks
1.	2202-03-104-SP- (AP and 10th Plan)-001- Dev. of Library and Reading Room facilities- [EH]-31-02	22.00	22.00	NIL	
2.	2202-03-104-SP- (AP and 10th Plan)- 002-Development of Non-Government Colleges-[EH]-31-02	20,00.00	16,83.47	386.53	
3.	2202-03-104-SP- (AP and 10th Plan)- 003-Hostels for Girl Students-[EH]-31-02	75.00	19.63	55.37	
4.	2202-03-104- SP- (AP and 10th Plan)- 004-Dev. of Colleges for Women-[EH]-31-02	75.00	72.02	2.98	
5.	2204-00-101- SP- (AP and 10th Plan)- 021-Provision for Physical Education Facilities in Non-Govt. Colleges-[EH]-31-02	50.00	26.28	23.72	
	TOTAL :	2222.00	1823.40	468.60	

3.8 GOVERNMENT COLLEGES

Various programmes have been taken up by the State Government for improvement and strengthening of the Government Colleges.

**Statement of expenditure under different plan schemes related to
Govt. Colleges during the financial year 2008-2009**

HEADS	AMOUNT (Rs.)	
	OTHER CHARGES	BUILDINGS
	STATE PLAN	STATE PLAN
Development of Presidency College	1,97,56,000.00	1,00,00,000.00
Development of Darjeeling Govt. College	74,00,000.00	50,00,000.00
Development of Hooghly Mohsin College	89,00,000.00	70,00,000.00
Development of 12-other Govt. Colleges	11,15,14,000.00	2,58,13,000.00
Development of newly established Govt. Colleges	1,00,00,000.00	2,25,00,000.00
Development of Physical Education Colleges	69,21,000	Nil
Development of B.Ed. Colleges	X	50,00,000
Development of B. T. Colleges	75,00,000.00	1,14,98,000.0
Govt. College of Art & Craft	12,00,000.00	19,24,000.00

Inter Govt. College Sports Competitions 2009

The XIX Inter Govt. College Athletic Meet, XVIII Inter Govt. College Football Championship, XI Inter Govt. College Table Tennis and VI Inter Govt. College Badminton Championship 2009 were held successfully at SAI Complex. Almost 350 participants of 17 Govt. Degree Colleges participated in the competition which is unique in its nature.

3.9 MEASURES FOR QUALITY IMPROVEMENT OF HIGHER EDUCATION

A) NAAC Accreditation Status :

During this financial year, as a result of very intense activities of the Cell, more than 26 colleges have been accredited by NAAC, bringing the total number of such colleges to 223, which is more than 55% of our total number of Degree Colleges, compared to the national average of 20%. Total number of accredited institutions at present stands at 237 (inclusive of 12 Teacher Education Departments/Colleges, 1 Art College and 1 Technology Institute). By that time, 3 Universities in the State had also been creditably re-accredited.

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

B) Accreditation of Engineering & Technology Courses (NBA of AICTE) :

All the three technology courses in 4 Govt. tech colleges have been accredited by NBA. In addition, three courses each in Jalpaiguri and Kalyani Govt. Engineering Colleges have been accredited. A few courses in six self financing colleges also received MBA accreditation.

3.10 SCHOLARSHIP & STIPEND

In order that no brilliant student is prevented from pursuing post-matric, higher studies because of poverty, the Central Government as well as the State Government introduced various scholarship schemes, five of which are being currently administered in the state by the Scholarship and Stipend Section of the Education Directorate, Government of West Bengal, Bikash Bhavan, 9th floor, North Block, Salt Lake, Kolkata-700 091 :

- i) National Scholarship Scheme
- ii) National Merit Scholarship Scheme
- iii) D.P.I. Special Stipend Scheme {
 - General Stipends
 - Adhoc Grants (institutional)
- iv) Hindi Scholarship Scheme
- v) West Bengal Govt. Merit-cum-Means Scholarship Scheme

I. National Scholarship Scheme

Introduced in 1961-62, this scheme ran continuously for more than four decades before being formally withdrawn from the 2004-05 session. This means no candidates passing their qualifying examination (like Madhyamik / H.S / Graduation) in 2004-05 or later can apply for the National Scholarships any more; only the renewal cases will be sanctioned now for those students who came into the fold of this scholarship scheme before 2004-05.

Rates of National Scholarship :

Stage	Non-hosteller or Day Scholar	Hosteller or Residential
At H.S Stage (for Madhyamik-passed candidates)	@ Rs.60/- per month	@ Rs. 100/- per month
At Graduation Stage of General Education-1st year	@ Rs.60/- per month	@ Rs. 100/- per month
(for H. S.- passed candidates) - 2nd & 3rd years	@ Rs. 90/- per month	@ Rs. 140/- per month
At Graduation Stage of Professional Courses (for H. S.- passed candidates)	@ Rs. 120/- per month	@ Rs. 300/- per month
At P. G. Stage of General Education (for B.A./ B.Sc / B.Com. passed candidates)	@ Rs. 120/- per month	@ Rs. 300/- per month

Sanction Figures in 2008-2009 :

Budget – Head	Amount sanctioned	Number of Scholars awarded
(Plan) 2202-80-107-SP-001-V-34	Rs. 8,84,210/-	257

II. National Merit Scholarship Scheme

In replacement of the earlier National Scholarship Scheme, this scheme was introduced with effect from the 2004-05 session, but it continued only for three years before getting withdrawn with effect from the 2007-08 session. Several changes were effected in the funding pattern, rate, quota, selection criteria etc. and the main distinctive features of this scheme are :

- (i) The scheme is absolutely centre-funded.
- (ii) The parental income ceiling is Rs. 1.00 lakh per annum.
- (iii) Total quota of scholarships for the state is 1421.

National Merit Scholarship Rates and Quota (for West Bengal) :

Stage of study for which Scholarship is given	Rate per month	State's quota of scholarship(NMS)
Classes IX – X	Rs. 250/- (for 10 months in a year)	678
Classes XI – XII	Rs. 300/- (for 10 months in a year)	853
Graduation	Rs. 500/- (for 10 months in a year)	426
Post-Graduation	Rs. 750/- (for 10 months in a year)	142

N.M.S. Sanction Figures from the Education Directorate in 2008-2009

Budget – Head	Amount sanctioned	Number of Scholars awarded
2202-80-107-CS-Centrally Sponsored (New Scheme)-002-V-31-02	Rs. 43,54,750/-	220

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

The procedure which is followed for selecting candidates at the PG & UG-level for the National Merit Scholarship Scheme as is follows :

The State's quota (142) for PG – level scholarships (NMS) is divided among different universities of the state. The universities then prepare their own Merit Lists (as per the quota) based on the results of their students in their graduation – level examinations and on the annual family income of the students, and distribute the blank prescribed application forms with the Entitlement Cards among them which the students duly fill up before submitting directly to the Scholarship & Stipend Section of the Education Directorate, W. Bengal.

For the UG – level National Merit Scholarships (quota = 426), the West Bengal Higher Secondary Council prepares the merit list and distribute the format i.e. prescribed, application forms plus Entitlement Cards to the suitable HS – passed candidates in a similar manner as described above.

III. D.P.I. Special Stipend Scheme :

This covers two types of financial assistance : (i) General Stipend, and (ii) Ad-hoc grant.

D.P.I. Special Stipends (General Stipend) are given to those Madhyamik-passed / graduation-passed students who have good results but not enough to get them a place in the merit list for National Scholarship / National Merit Scholarship. A fresh Madhyamik-passed student may continue to get the stipend till the last year of his / her graduation, provided he/she continues to perform above a prescribed level in each of the intervening promotional examinations.

Current rate, quota and eligibility information for D.P.I. Special Stipend Scheme (General Stipend) :

Qualifying students	Stipend for which stage of study	Total quota	Rate per month	Current Minimum marks required	Guardians' / parents income ceiling (per annum)
M.P.-passed	H.S. & U.G	250	Rs.40/-	65%	Rs. 25,000 p.a.(for Non-salaried parents/ Guardians) Rs. 35,000/- p.a.(for Non-salaried parents/ Guardians)
Graduation (with Honours) -passed	PG	200	Rs.60/-	50%	Rs.50,000/-p.a (for non-salaried parents/ Gurdians Rs.60,000/- p.a. (for Salaried parents/ Guardians)

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The other category of D.P.I. Special Stipend, called Ad-hoc Grant, is given to four institutions in the state – (i) R.K. Mission Vidyapith, Purulia, (ii) R.K. Mission Ashrama, Sarisha, (iii) R. K .Mission Multi-purpose school, Kamarpukur and (iv) Jalpaiguri Govt. Engineering College, who in turn disburse this grant among a fixed number of their most needy and meritorious students.

Sanction Figures in 2008 – 2009 :

Type of Stipend	Budget – Head	Amount Sanctioned	Number of Scholars awarded
D.P.I. Spl. Stipend (General Stipend)	2202-80-107-NP-001-V-31-02	Rs. 71,260/-	65
D.P.I. Spl. Stipend (Ad-hoc Grant)	2202-80-107-NP-002-V-31-02	Rs. 81,300/-	111 (distributed among the three institutions)

Efforts are on to revise and rationalise the rate and quota of D.P.I. Special Stipends (both General Stipend and Ad-hoc Grants).

IV. Hindi Scholarship Scheme :

In order to encourage the study of Hindi in Non-Hindi speaking states, Government of India has implemented the Hindi Scholarship Scheme for the post-matric students [H.S., U.G., P.G., and Research (M. Phil. / Ph.D. etc)]. The scholarship is given to students whose mother tongue is not Hindi and who are studying in a Non-Hindi speaking state in a recognized full-time course with Hindi as the sole subject or as one of the combination subjects. The total quota of Hindi Scholarships for West Bengal is 239.

Hindi Scholarship Rates and Eligibility Criteria :

Stage of Study	Quota (239)	Rate	Eligibility for applying
For H.S. stage	143	@Rs.300/- per month	Hindi is to be subject In H.S. course and 60% marks in aggregate in the Matric Exam. (Madhyamik / CBSE/ICSE etc.)
For Graduation (UG) stage	72	@Rs.500/- per month	Hindi to be a subject in UG-course and 60% aggregate marks in the H.S. Exam.
For Post-Graduation (PG) and/or Research Stage	24	@Rs.1000/- per month	Hindi to be the subject of study and 60% marks in Graduation or Post-Graduation as the case may be

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

Sanction Figures for Hindi Scholarship in 2008 – 2009 :

Budget – Head (Non-Plan- Developmental)	Amount sanctioned	Number of Scholars awarded
2202-05-200-ND-001-V-50	Rs. 3,00,000/-	70

V West Bengal Government Merit-cum-Means Scholarship Scheme (W.B.G. M-C-M) :

The State Government has introduced from the academic year 2006-2007 a new scholarship scheme named 'West Bengal Government Merit-cum-Means Scholarship Scheme' for providing financial assistance to the poor but meritorious students of the State pursuing higher studies at various post-Madhyamik levels.

Meritorious students coming from poor families, who are domiciled in West Bengal and have enrolled themselves in one of the State Govt. institutions or State Govt. aided institutions after passing out from the State Board/Council of Secondary/Higher Secondary Education or a State-aided University in West Bengal will be eligible to apply for this scholarship.

Rates and Quota of W.B.G.M-C-M Scholarships :

Sl. No.	Level	Rate (per month)	Quota
1.	H.S.	Rs. 500/-	1500
2.	UG (Arts)	Rs. 750/-	550
3.	UG(Commerce)	Rs. 750/-	150
4.	UG (Science)	Rs. 900/-	325
5.	UG (Professional Courses other than Engg./Med.)	Rs. 900/-	25
6.	UG (Polytechnic)	Rs. 750/-	100
7.	UG (Engineering)	Rs. 1400/-	200
8.	UG (Medicine including MBBS,BDS,BHMS etc.)	Rs. 1500/-	200
9.	PG (Arts)	Rs. 1200/-	300
10.	PG (Commerce)	Rs. 1200/-	100
11.	PG (Science)	Rs. 1400/-	225
12.	PG (Professional Courses other than Engg./Med.)	Rs. 1400/-	25
Total number of Scholarships =			3,700

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Though the Department of Higher Education of the Government of West Bengal acts as the nodal department for this scholarship scheme, for ease of administering the scheme it has been decided that the concerned Directorates be given the responsibility to run the scheme for the students and courses falling within their respective jurisdictions. Thus, the Directorate of School Education (DSE) handles the H.S.-level; the Education Directorate (i.e. the Directorate of Public Instruction, or DPI) handles the UG (Arts, Commerce, Science and non-Engg. & non-Med. Professional Courses)-level as well as the PG (Arts, Commerce, Science and non-Engg. & non-Med. Professional Courses)-level; the Directorate of Technical Education (DTE) handles the UG (Engg.)-level; the Directorate of Technical Education & Training (DTET) handles the UG (Polytechnic)-level and the Directorate of Medical Education (DME) handles the UG (Med.)-level of the scholarship scheme. There is a high-power Steering Committee headed by the Hon'ble Minister-in-Charge of Higher Education, West Bengal, for the over-all supervision and monitoring of the scheme.

There is no system of distributing any prescribed application forms for this scholarship; instead the application format is published in newspaper advertisements inserted by the Government of West Bengal around June-July seeking applications for the scholarship. For applicants in the 2007-08 academic year the minimum eligibility criteria included: (i) Yearly Income of the applicant's family from all sources not exceeding Rs. 80,000/-, and, (ii) 75% marks in aggregate in the Madhyamik or the H.S. Exam. for applying respectively for the H.S.-level or the UG-level scholarships, or 55% marks in the Honours subject in graduation for the PG-level scholarships.

In order to extend relief to the poor and meritorious students admitted into Govt. Engineering and Technology colleges, the State Govt. has taken measures to grant the benefit of full and half free studentship. 10% students selected on merit cum means basis will come under the purview of the scheme each year. Private self financing colleges have also been brought under such facilities extent of minimum 5%.

Performance report since the academic year 2006-2007 is produced below :

Year	Number of valid application received	Amount of scholarship awarded
2006-2007	1321	Rs.1,13,94,750/-
2007-2008	6703 (Fresh) 1149 (Renewal cases)	Rs.7,42,62,800/-
2008-2009	9178 (Fresh) 7453 (Renewal cases)	*

MAIN ACTIVITIES AND ACHIEVEMENTS DURING THE YEAR

* Rs.8,31,76,800/- for fresh cases and Rs.6,62,57,250/- for renewal cases have been sub-alloted to 5 (Five) Directors for disbursement of Scholarship money.

3.11 FULL AND HALF FREE STUDENTSHIP FOR THE ENGINEERING & TECHNOLOGY STUDENTS :

In order to extend relief to the poor and meritorious students admitted into Govt. Engineering and Technology colleges, the State Govt. has taken measures to grant the benefit of full and half free studentship. 10% students selected on merit cum means basis will come under the purview of the scheme each year. Private self financing colleges have also been asked to extend such facilities to the possible extent.

3.12 PHYSICAL EDUCATION

Although Physical Education and Sports are not included in regular curriculum of all Govt. and Non Govt. Colleges but Government encourages these activities in various ways. These are part of Physical Instructor. Physical Instructors in colleges and they are entrusted with responsibility of organising games and sports in various colleges. Grants are released for development of play facilities and for purchase of equipments.

- (1) Development grant were sanctioned to the Govt. Physical Education Colleges for purchase of Books, Journals, Research Equipments etc. to four Govt. Physical Education Colleges for the 2007-08.
- (2) Development grant for purchase of sports equipment to all the Govt. Degree Colleges for promotion of games and sports. Development grant for improvement of Laboratories and Libraries to P.G. Deptt. of Physical Education for Banipur and Hastings House.

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ENGINEERING & TECHNOLOGY AND MANAGEMENT EDUCATION

4.1 Engineering and Technology Education

4.2 Management Education

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ENGINEERING TECHNOLOGY AND MANAGEMENT EDUCATION

4.1 ENGINEERING AND TECHNOLOGY EDUCATION

The State of West Bengal has a very rich heritage of education and culture. All the Nobel Laureates of our country have worked in this State. The higher social values for intellectual inputs and creativity prevail in the State. The large manpower of the State, willing to undertake technical education, is one of its great strengths. The government initiative acts synergistically for the rapid growth of technical education. Cheaper cost of study per student as compared to other states is also a positive side. The consciousness of the people too is very conducive for technical education. The quality conscious and judicious consumers of the state in turn place demands for quality technocrats willing to combat the challenges of the new millennium.

The globalization and open market economy, despite their inherent limitations, certainly offer opportunities and challenges both. Introduction of information technology has widened up the opportunities to amalgamate it with other faculties of engineering and technology. This might result in improvement of the quality of budding professionals in other faculties as well, who can use information technology as a tool in decision-making and can make their organizations compatible with the global standards. There have been substantial changes in the need and the philosophy of the technical education. Globally the thrust areas have been identified as biotechnology, genetic engineering, environmental engineering, information technology and material science. Therefore, the trend is for the ultra specialization concept in higher technical education to be gradually replaced by a multidisciplinary flexible one.

With this background, the State of West Bengal is marching forward towards the expansion of Higher Education in engineering & technology and also in management education. More specifically, in the last ten years, the growth rate in Higher Technical Education in West Bengal has remarkably improved, particularly in the emerging areas like information technology, computer science and engineering, electronics and communication engineering, etc. following the need of the hour.

Considering the opportunities and aspects of globalization and the need of the millennium, the State Government in the Higher Education Department started its process of expansion in those areas through Govt. and private initiative for catering the demand of technical manpower for the country in general and in the State in particular. Like this development, which has already taken place in the

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field of information technology and related areas, the future projections have been identified for biotechnology, genetic engineering, environmental engineering, pharmaceutical technology, material science, etc. Accordingly, initiatives have been taken to introduce such type of courses in degree level Engineering & Technology Colleges to meet the future demand for technical manpower in these fields. At the same time stress has been given to utilize the natural resources for achieving the goal of self-reliance. While expanding the technical education quantitatively, the State Government has also considered the qualitative improvement of technical education which resulted in the establishment of a new technical university in the name of West Bengal University of Technology to keep uniformity in academic curriculum, up-gradation and to strive for excellence in academic arena.

4.2 EXPANSION IN DEGREE LEVEL ENGINEERING & TECHNOLOGY EDUCATION IN THE STATE :

In 1947-48, there were only 3 (three) Engineering Colleges in West Bengal with an intake capacity of only '320'. From 1948-1961 the growth of Technical Education in the State was satisfactory as the number of Colleges increased from 3 to 12 and the intake capacity increased from '320' to '1452'. But after 1961 till 1994 i.e. for more than three decades, there were no further expansion of degree level Engineering Education. It was in the 1995 i.e. the later part of 8th Plan Period (1992-93 to 1996-97) that a new Government Engineering College in the name of Kalyani Engineering College (renamed as Kalyani Government Engineering College at present) was established at Kalyani in Nadia District.

The 8th Plan Period ended with establishment of another Engineering College under private initiative at Haldia in the name of 'Haldia Institute of Technology'. Till the end of the 8th Plan Period the intake capacity for degree level Engineering & Technology was '1652'.

Eventually, the growth rate of degree level education in Engineering & Technology has been accelerated throughout 9th Plan Period (i.e. from 1997-98 to 2001-02) and 10th Plan Period (i.e. 2002-03 to 2007-08) and the same is still in progress in the 11th Plan Period. In 2008-09, the total number of degree level Engineering & Technology the Colleges is '72' and the total intake capacity is '20277'. All these Colleges in the State are AICTE approved and WBUT affiliated.

In the University/University Departments and Government Engineering & Technology Colleges students are admitted only through a Common Entrance Examination (JEM) conducted by West Bengal Joint Entrance Examination's Board. In the Self-financing Engineering & Technology Colleges of this State besides JEM, 10% seats are filled up out of the merit listed candidates of AIEEE conducted by CBSE. Moreover, in those Self-financing Engineering & Technology Colleges 10% seats are filled up through Management Quota.

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4.2.1 LIST OF A.I.C.T.E. APPROVED ENGINEERING & TECHNOLOGY DEGREE COLLEGES AND UNIVERSITY ENGINEERING FACULTIES/DEPARTMENTS OFFERING ENGINEERING AND TECHNOLOGY COURSES IN DIFFERENT DISCIPLINES ALONGWITH INTAKE CAPACITY

B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
A. University / University Departments											
1 <i>Bengal Engineering and Science University, P.O.-Botanic Garden, Howrah- 711103, Ph : (033) 2668-4561 / 62 / 63, Fax : (033) 2668-2916 / 4564 (Year of Establishment -1856), (Deemed University in 1992, University since 2004)</i>											
Architecture	22			2							24
Civil Engineering	90										90
Computer Science & Technology	25			-5	40						60
Electrical Engineering	65			-5	30						60
Electronics & Tele-Communication Engineering	35			-5	30						60
Information Technology	-	60									60
Mechanical Engineering	65			-5							60
Metallurgical Engineering	35			-5							30
Mining Engineering	30										30
<i>Institution Total (Year wise)</i>	<i>367</i>	<i>60</i>		<i>-23</i>	<i>70</i>						<i>474</i>
2 <i>Faculty of Engineering & Technology, Jadavpur University, Jadavpur, Kolkata-700032 (State Aided University), Ph : (033) 2473-4044 / 4495; Fax : (033) 2473-5508 / 2413-7121 (Year of Establishment-1955)</i>											
Architecture	30										30
Chemical Engineering	70										70
Civil Engineering	100										100
Computer Science & Engineering	60										60
Construction Technology	40										40
Electrical Engineering	100										100
Applied Electronics & Instrumentation Engineering	20										20
Electronics & Tele-Communication Engineering	60										60
Information Technology	-	40				20			-20		40
Instrumentation Engineering	20					20					40

ENGINEERING, TECHNOLOGY AND MANAGEMENT EDUCATION

B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Mechanical Engineering	100										100
Metallurgical Engineering	30										30
Pharmacy	70										70
Power Plant Engineering	40										40
Printing Engineering	20										20
Production Engineering	40										40
Food Technology	-								20		20
Institution Total (Year wise)	800	40				40					880
3 University Science Instrumentation Centre, Kalyani University, Nadia, Pin-741 235 Ph : (033) 2582-6680 / 1039 Fax : (033) 2582-6680 Year of Establishment 1999											
Applied Electronics & Instrumentation Engineering	40										40
Information Technology	40										40
Institution Total (Year wise)	80										80
4 University Institute of Technology, Burdwan University, P.O. - Rajbati, Dist- Burdwan, Pin- 713 104 Nadia, Pin-741 235 Ph : (0324) 2557-8000 / 561-016 Fax : (0342) 2564452 (Year of Establishment- 2000)											
Applied Electronics & Instrumentation Engineering					30	30					60
Computer Science & Engg.		40	20								60
Electronic & Communication Engineering		40	20								60
Information Technology		40		20							60
Civil Engineering										60	60
Electrical Electronics Engineering										60	60
Institution Total (Year wise)		120	40	20	30	30				120	360
5 West Bengal University of Technology, BF-142, Sector-I, Salt Lake, Kolkata-700 064 Ph : 2321-7578 / 8771 / 1327 / 0731 Fax : 2321-0832 (Year of Establishment- 2001)											
Information Technology		70							-40		30
Computer Science & Engg.									30		30
Institution Total (Year wise)		70							-10		60

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
B. Government Engineering & Technology Colleges											
1 Government College of Engineering and Leather Technology, L.B-Block, Sector-III, Salt Lake, Kolkata-700091 (A State Govt. Institute), Ph. (033) 2350-1264/7311 Established as an Institute in 1919. B.Sc. (Tech.) Degree introduced in 1955											
Computer Science & Engineering		40					-40		40		40
Information Technology		40					-40		40		40
Leather Technology	30										30
Institution Total (Year wise)	30	80					-80		80		110
2 Government College of Engineering and Textile Technology, Serampore, Dist. Hooghly, Pin-712201 Ph: (033) 26623156/ 1058 Established as an Institute in 1908. B.Sc. (Tech) Degree introduced in 1957 and B.Tech in 1998											
Computer Science & Engineering			40	-10							30
Information Technology		40		-10							30
Textile Technology	30										30
Apparel Production Management									30		30
Institution Total (Year wise)	30	40							30		120
3 Government College of Engineering and Textile Technology, Berhampore, Dist. Murshidabad, Pin-742101 Ph: (03482) 250142 Established as an Institute in 1927. B.Sc. (Tech) Degree introduced in 1958 and B.Tech in 1998											
Computer Science & Engineering			40								40
Textile Technology	30										30
Institution Total (Year wise)	30		40								70
4 Jalpaiguri Govt. Engg. College, Jalpaiguri, Pin-735102 (A State Govt. Institute) Phone - (03561) 255130, Fax : (03561) 255131 (Year of Establishment-1961)											
Civil Engineering	60										60
Computer Science & Engineering		40					20				60
Electrical Engineering	60										60
Electronics & Communication Engineering		40					20				60
Information Technology			40				20				60
Mechanical Engineering	60										60
Institution Total (Year wise)	180	80	40				60				360

ENGINEERING, TECHNOLOGY AND MANAGEMENT EDUCATION

B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
5 Government College of Engineering and Ceramic Technology, 73, A.C Banerjee Rd. Calcutta-700010 (A State Govt. Institution) Ph: (033) 2350 1264/7311 Established as an Institute in 1941. B.Sc (Tech) degree introduced in 1962 and B.Tech in 2000											
Ceramic Technology	40										40
Computer Science & Engineering			40								40
Information Technology		40									40
Institution Total (Yearwise)	40	40	40								120
6 Kalyani Government Engineering College, Kalyani, Nadia Pin-741235 (A State Govt. Institute) Ph: (033) 2582-6680/1309 Fax : (033) 2582 1309, (Year of Establishment-1995)											
Computer Science & Technology	60										60
Electronics & Communication Engineering	60										60
Information Technology			40					20			60
Mechanical Engineering	60										60
Electrical Engineering								60			60
Institution Total (Year wise)	180		40					80			300
7 Institute of Jute Technology, 35, Ballygunge Circular Road, Kolkata-700 019 A Central Govt. Aided Institution under Ministry of Textile, Govt. of India Ph: (033) 2475-1985 / 2476-1166 Fax : 0343-2545718, (Year of Establishment-2000)											
Jute & Fibre Technology										20	20
Jute Technology	30									-10	20
Institution Total (Year wise)	30									10	40
C. Self Financing Engineering & Technology Colleges											
1 Haldia Institute of Technology, ICARE Complex, HIT Campus, P.O. : Hatiberia, Haldia, Dist. : Purba Midnapore, Pin. -721657 (Private Institute), Ph: (03224) 52800, Fax : (03224) 52900 (Year of Establishment-1996)											
Bio-Technology.			40			20					60
Chemical Engineering	60										60
Civil Engineering									60		60
Computer Science & Engineering	60								60		120
Electrical Engineering				40		20					60

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Electronics & Communication Engineering	30	30							60		120
Information Technology		40					20				60
Instrumentation and Control Engineering						60					60
Applied Electronics & Instrumentation Engineering	60										60
Mechanical Engineering	40						20				60
Production Engineering			40								40
Food Technology								60			60
Institution Total (Year wise)	250	70	80	40		100	40	60	180		820
2 Institute of Engineering & Management, Salt Lake, Y-12, Sector - V, Electronics Complex, Kolkata-91 (Private Institute) Ph: (033) 2357-2059 Fax : (033) 2357-8302 (Year of Establishment-1997)											
Computer Science & Engineering		90									90
Electronics & Tele-Communication Engineering	60									30	90
Information & Multimedia Technology	60									30	90
Institution Total (Year wise)	120	90								60	270
3 Bankura Unnayani Institute of Engineering, P.O.-Bhagabandh, P.S. & Dist. - Bankura, Pin-722146 (Private Institute) Ph : (03242) 255855/ 255955, Fax : +03242-255955 (Year of Establishment-1998)											
Computer Science & Engineering	60										60
Electronics & Communication Engineering	60										60
Applied Electronics & Instt. Engg	60										60
Information Technology		40		20							60
Electrical Engineering								60			60
Institution Total (Year wise)	180	40		20				60			300
4 Murshidabad College of Engineering & Technology, P.O Berhampur, P.S Balrampur, Dist. - Murshidabad. (Private Institute) Ph : (03482) 251191/251196/251136 (Year of Establishment-1998)											
Computer Science & Technology	60										60
Electronics & Communication	40	20									60

ENGINEERING, TECHNOLOGY AND MANAGEMENT EDUCATION

B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Information Technology		30	10	20							60
Institution Total (Year wise)	100	50	10	20							180
5 College of Engineering & Management, Kolaghat KITPP Township P.S Mecheda, Dist.: Purba Midnapur, Pin: 721171 (Private Institute), Ph : (03228) 250971/249443 Fax : 03228-250880, (Year of Establishment-1998)											
Computer Science & Engineering	60										60
Electrical Engineering	40			20							60
Applied Electronics & Instrumentation Engineering	60										60
Information Technology	40			20							60
Electronics & Communication Engineering					60						60
Institution Total (Year wise)	200			40	60						300
6 Asansol Engineering College, Sen Releigh Road, Kanyapur, Asansol-713304 (Private Institute) Ph. : (0341) 251426 / 252108, Fax : (0341) 2253056 / 2254248, (Year of Establishment-1998)											
Computer Science & Engineering	60		30								90
Electrical Engineering	60			30							90
Electronics & Communication Engineering	60			30							90
Information Technology	60		40		-30					30	90
Applied Electronics & Instrumentation Engineering				40	20						60
Mechanical Engineering					30					30	60
Institution Total (Year wise)	240		60	100	20					60	480
7 Netaji Subhas Engineering College, Techno City, Panchpota Police Para, P.O. Panchpota, Dist.24 Parganas (S) Ph : (033) 2436-3333 / 1285, Fax : (033) 2436-1286 (Private Institute) (Year of Establishment-1998)											
Applied Electronics & Instrumentation Engineering							60				60
Bio-Medical Engineering					30						30
Computer Science & Engineering	40	20	30				30				120

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Electrical Engineering	60										60
Electronics & Communication Engineering	40	20	30				30				120
Information Technology	40	20	30								90
Institution Total (Year wise)	180	60	90		30		120				480
8 B. P. Poddar Institute of Management & Technology, 137, V.I.P. Road (Mondal Ghanti) Kolkata - 700052, (Private Institute), Ph: (033) 2573 9607 / 9608 / 9609 / 9610, Fax : 033-2573-9401 (Year of Establishment-1999)											
Computer Science & Engineering	60								60		120
Electrical Engineering	60		-30		30						60
Electronics & Communication Engineering	60							60			120
Information Technology	60										60
Institution Total (Year wise)	240		-30		30			60	60		360
9 MCKV Institute of Engineering, 243, G.T. Road (North), Liluah, Howrah-711204 (Private Institute) Ph : (033) 2654 9315 / 16 / 17 / 18, Fax : 2242-5487, (Year of Establishment-1999)											
Automobile Engineering					60						60
Computer Science & Engineering	60		30	-30							60
Electronics & Communication Engineering	60		30	-30							60
Information Technology	60		30	-30							60
Mechanical Engineering										60	60
Institution Total (Year wise)	180		90	-90	60					60	300
10. RCC Institute of Information Technology, College of Leather Technology, (Old Campus), Canal South Road, Belegata, Kolkata- 700015 , (A Govt. aided Institute) Ph : (033) 2216-1463 / 1400, Fax : (033) 2323-8003 (Year of Establishment - 1999)											
Computer Science & Engineering	60										60
Information Technology	60										60
Electronics & Communication Engineering								60			60
Institution Total (Year wise)	120							60			180

ENGINEERING, TECHNOLOGY AND MANAGEMENT EDUCATION

B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
11. Birbhum Institute of Engineering & Technology, , P.O. - Suri, Dist. - Birbhum, Pin - 731101 <i>(A Private Institute) Ph : (03462) 256839, Fax : (03462) 256839, (Year of Establishment-1999)</i>											
Computer Science & Engineering	60										60
Electrical Engineering	60										60
Electronics & Communication Engineering	60									60	120
Information Technology			40					20			60
Mechanical Engineering	60										60
Civil Engineering								60			60
<i>Institution Total (Year wise)</i>	240		40					80		60	420
12. Siliguri Institute of Technology, Techno Campus, Salbari, Hill Cart Road, Pin: 734225 <i>Siliguri, Darjeeling, (A Private Institute) Ph: (0353) 2574074, 2574075 Fax : 0353-2574076</i> <i>(Year of Establishment-1999)</i>											
Bio Technology					30					-30	
Computer Science & Engineering	60			30							90
Electrical Engineering	60										60
Electronics & Communication Engineering	60									30	90
Information Technology	60										60
Instrumentation Engineering	60										60
<i>Institution Total (Year wise)</i>	300			30	30					0	360
13. Dr. B.C.Roy Engineering College, Durgapur, Jenua Road, Fuljhore, Durgapur-713206 <i>(Private Institute), Ph. (0343) 2502449, Fax : 0343-2545718, (Year of Establishment-2000)</i>											
Mechanical Engineering					30	30					60
Computer Science & Engineering		60							30		90
Electrical Engineering		60									60
Electronics & Communication Engineering				60					30		90
Applied Electronics & Instrumentation Engineering		60									60
Information Technology		60									60
<i>Institution Total (Year wise)</i>		240		60	30	30			60		420

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
14. Bengal Institute of Technology, Tech. Town, P.O.Bamanghata, On Basanti Highway, Kolkata, Pin : 700 039. (Private Institute) Ph. : 033-2345-8001/02/03, Fax : 033-2345-8005 (Year of Establishment-2000)											
Bio-Technology.				30							30
Computer Science & Engineering		60									60
Electronics & Communication Engineering		60									60
Information Technology		60									60
Institution Total (Year wise)		180		30							210
15. St. Thomas College of Engineering & Technology, 4, Diamond Harbour Road, Kolkata-700 023, (Private Institute), Ph. : 033-2448-1081/1082, Fax : 2448-2914, (Year of Establishment-2000)											
Computer Science & Engineering		60									60
Electrical Engineering		60									60
Electronics & Communication Engineering		60									60
Information Technology		60									60
Institution Total (Year wise)		240									240
16. JIS College of Engineering, Block-A, Phase-III, Kalyani, Nadia-741235 (Private Institute) Ph. (033) 2582-2154/ 2582-2137,2138 (Year of Establishment-2000)											
BioMedical Engineering					30		30				60
Computer Science & Engineering		60	30							30	120
Electrical Engineering		60								30	90
Electronics & Communication Engineering		60							30	30	120
Applied Electronics & Instrumentation Engineering				40			20				60
Information Technology		60	30								90
Institution Total (Year wise)		240	60	40	30		50		30	90	540

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
<p>17. Dunkal Institute of Engineering & Technology, Mouza Ramna, Etbar Nagar, Basantapur, P.O. : Dunkal, Dist. : Murshidabad, Pin : 742303. (Private Institute), Ph. : (03481) - 230033/230040 Fax : (03481) - 231188, (Year of Establishment-2001)</p>											
Computer Science & Engineering			60								60
Electronics & Communication Engineering			60								60
Applied Electronics & Instrumentation Engineering			60								60
Information Technology			60								60
Electrical Engineering								60			60
<i>Institution Total (Year wise)</i>			240					60			300
<p>18. Narula Institute of Technology, 81, Nilgunj Road, Agarpara, Kolkata - 700056. (Private Institute) (Year of Establishment-2001), Ph : 033-2563-7777/8880, 2583-7029</p>											
Computer Science & Engineering			60						60		120
Electrical Engineering				60							60
Electronics & Communication Engineering			60							60	120
Information Technology			60								60
Civil Engineering									60		60
<i>Institution Total (Year wise)</i>			180	60					120	60	420
<p>19. Techno India, Plot No. EM-4/1, Salt Lake Electronics Complex, Sector - V, Kolkata - 700091. (Private Institute) (Year of Establishment-2001), Ph : 033-2357-5683/84/85, Fax : 033-2357-5686</p>											
Food Technology					30	30					60
Computer Science & Engineering			60								60
Electrical Engineering			60								60
Electronics & Communication Engineering			60		30				30		120
Information Technology			60								60
Applied Electronics & Instrumentation Engineering								60			60
<i>Institution Total (Year wise)</i>			240		60	30		60	30		420

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
20. Bengal College of Engineering & Technology, Shahid Sukumar Banerjee Sarani, Durgapur - 713212 (Private Institute) (Year of Establishment-2001) <i>Ph. : 0343-2533186, Fax : 0343-2536756</i>											
Applied Electronics & Instrumentation Engineering						60					60
Electrical & Electronics Engineering					30	30					60
Bio-Technology.			60								60
Computer Science & Engineering			60						60		120
Electronics & Communication Engineering			60						60		120
Information Technology			60								60
Civil Engineering										60	60
Mechanical Engineering										60	60
Institution Total (Year wise)			240		30	90			120	120	600
21. Meghnad Saha Institute of Technology, Madurdaha, Behind Ruby Hospital, (Near NRI Complex) Kolkata - 700 039. (Private Institute) (Year of Establishment-2001) <i>Ph. : 033-24431031/1033 Fax : 033-24431032.</i>											
Civil Engineering					60						60
Computer Science & Engineering			60								60
Electrical Engineering			60								60
Electronics & Communication Engineering				60							60
Information Technology			60								60
Institution Total (Year wise)			180	60	60						300
22. Heritage Institute of Technology, Chowdhaga Road, Anandapur, P.O. : East Kolkata Town Ship, Kolkata - 700 017. (Private Institute) (Year of Establishment-2001), <i>Ph. : 033-2443-0454/0457/0710 Fax : 033-2443-0455</i>											
Bio-Technology				30	30						60
Chemical Engineering				60							60
Computer Science & Engineering			60					30			90

ENGINEERING, TECHNOLOGY AND MANAGEMENT EDUCATION

B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Electronics & Communication Engineering			60					30			90
Applied Electronics & Instrumentation Engineering			60								60
Information Technology			60								60
Institution Total (Year wise)			240	90	30			60			420
23. National Power Training Institute (ER) Michael Faraday St. City Center, Durgapur-713216. <i>(Self-Financing Institute under the Ministry of Power, Govt. of India) (Year of Establishment 2002)</i> <i>Ph : 0343-2545888 / 2546237, Fax : 0343-2545888</i>											
Power Plant Engineering				60							60
Institution Total (Year wise)				60							60
24. Future Institute of Engineering & Management, Ramkrishna Mission Pally, Kolkata-700 150. (Private Institute) (Year of Establishment-2002) Ph : 2434-5640/5615 Fax : 2434-5641											
Mechanical Engineering					60						60
Computer Science & Engineering				60				30			90
Electrical Engineering				60							60
Applied Electronics & Instrumentation Engineering				60							60
Electronics & Communication Engineering				60				30			90
Information Technology									60		60
Institution Total (Year wise)				240	60			60	60		420
25. Institute of Technology & Marine Engg., Vill-Jingha, P.O. Amira, P.S-Diamond Harbour, Dist-South 24 Parganas, W.B-743368 (Private Institute), (Year of Establishment-2002) Ph. : 033-245078/101, Fax : 033-245108											
Bio-Technology				30							30
Computer Science & Engineering				60							60
Electronics & Communication Engineering				60							60

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Information Technology				30	30						60
Marine Engineering				60		20					80
<i>Institution Total (Year wise)</i>				240	30	20					290
26. Mallabhum Institute of Technology, Braja Radha Nagar (Gopalpur), P.O. Gosainpur., Dist. : Bankura, W.B.Pin : 722122, (Private Institute) (Year of Establishment-2002) Ph : 03244-255207/208, Fax : 033-24406996											
Electrical Engineering					30			30			60
Computer Science & Engineering				60							60
Electronics & Communication Engineering				60					30		90
Information Technology				60							60
Mechanical Engineering						30		30			60
Production Engineering				60		-30					30
<i>Institution Total (Year wise)</i>				240	30			60	30		360
27. Durgapur Institute of Advanced Tech. & Management, G. T. Road, Rajbandh, Durgapur - 713212 (Private Institute) (Year of Establishment-2002) Ph : 0343-2520712, Fax : 0343-2520713											
Chemical Engineering						60					60
Computer Science & Engineering				60		30					90
Electrical Engineering				60							60
Electronics & Communication Engineering				60		30					90
Information Technology				60							60
Mechanical Engineering										60	60
<i>Institution Total (Year wise)</i>				240		120				60	420
28. Aryabhatta Institute of Engineering & Management, Panagarh, Panagarh Bazar, Dist. Burdwan Pin-713148, (Private Institute) Year of Establishment-2003, Ph : 0343/2526415/416/417, Fax : 0343-2526417											
Computer Science & Engineering						60					60
Electronics & Communication Engineering						60					60

ENGINEERING, TECHNOLOGY AND MANAGEMENT EDUCATION

B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Electrical Engineering					60						60
Information Technology					60						60
Electrical & Electronic Engg.										60	60
<i>Institution Total (Year wise)</i>					240					60	300
29. Bengal Institute of Technology & Management, Shriniketan Bypass, Gopal Nagar, P.O. Doranda, Birbhum-713148, (Private Institute) Year of Establishment-2003, Ph : 03463-271354, Fax : 03463-271353											
Applied Electronics & Instrumentation Engineering						60					60
Computer Science & Engineering					60			30			90
Electronics & Communication Engineering					60			30			90
Electrical Engineering					60						60
Information Technology					60						60
<i>Institution Total (Year wise)</i>					240	60		60			360
30. Gurunanak Institute of Technology, 157/F, Nilgunge Road, Panihati, Dist-24 Pgs. (N) Pin-743176 Private Institute, Year of Establishment-2003, Ph. 033-2558-0983, Fax : 033-2528-9000											
Computer Science & Engineering					60					60	120
Electronics & Communication Engineering					60						60
Applied Electronics & Instrumentation Engineering					60						60
Electrical Engineering					60						60
Food Technology								60			60
Information Technology									60		60
<i>Institution Total (Year wise)</i>					240			60	60	60	420
31. Sarojinohan Institute of Technology, Guptipara, Dist. - Hooghly, Pin-712 512, (Private Institution) Year of Establishment-2003, Ph. 03213-262201											
Computer Science & Engineering					60			30			90
Electronics & Communication Engineering					60						60

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Electrical Engineering					60						60
Information Technology					60						60
Mechanical Engineering						60					60
Applied Electronics & Instrumentation Engineering								60			60
Institution Total (Year wise)					240	60		90			390
32. IMPS College of Engineering & Technology, Nityanandapur, P.O. & Dist. - Malda, Pin-732 101											
<i>Private Institution, Year of Establishment-2003, Ph. 03512-271555 / 251272</i>											
Computer Science & Engineering					60						60
Electronics & Communication Engineering					60						60
Electrical Engineering					60						60
Information Technology					60						60
Institution Total (Year wise)					240						240
33. Calcutta Institute of Engineering & Management, 24/1 A, Chandi Ghosh Road, Kolkata-700 040											
<i>Private Institution, Year of Establishment-2003, Ph. : 033-2421-5747, Fax : 033-2421-8998</i>											
Computer Science & Engineering					60						60
Electronics & Communication Engineering					60						60
Electrical Engineering					60						60
Information Technology					60						60
Instrumentation & Control Engineering								60	-60	60	60
Institution Total (Year wise)					240			60	-60	60	300
34. Academy of Technology, G. T. Road, P.O. : AEDCO, Nagar, Dist - Hooghly, Pin-712121											
<i>Private Institution, Year of Establishment-2003 Ph : 033-2684-2888, Fax : 033-2684-2888</i>											
Computer Science & Engineering					60						60
Electronics & Communication Engineering					60						60
Electrical Engineering					60						60

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Applied Electronics & Instrumentation Engineering					60						60
Instrumentation and Control Engineering						60					60
Information Technology								60			60
Institution Total (Year wise)					240	60		60			360
35. Hooghly Engineering & Technology College, C/o Hooghly Institute of Technology, Hooghly, P.O. & Dist. : Hooghly, (Private Institute) Ph : 033-2680-1392/4121/5702, Fax : 033-2680--3026 Year of Establishment-2004											
Civil Engineering						60					60
Computer Science & Engineering						60					60
Electronics & Communication Engineering						60					60
Electrical Engineering						60					60
Institution Total (Year wise)						240					240
36. Calcutta Institute of Technology, P.O. : Banitabla, P.S. : Uluberia, Dist. : Howrah-711 316, West Bengal (Private Institute) Ph : 2709-4367, 2661-2097, 3094-8176, Fax : 2661-0499/0736, Year of Establishment-2004											
Bio-Medical Engineering						60			-60		
Chemical Engineering						60					60
Computer Science & Engineering						60			60		120
Electronics & Communication Engineering						60			60		120
Information Technology								60		30	90
Institution Total (Year wise)						240		60	60	30	390
37. Techno India College of Technology, New Town, Kolkata-71, (Private Institute) Ph : 2226-4396/9785/2814/2337-6224, Fax : 2216-0814, Year of Establishment-2005											
Computer Science & Engineering							60				60
Information Technology							60				60
Electronics & Communication Engineering							60		30		90

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Electrical Engineering							60				60
Applied Electronics & Instrumentation Engineering								60			60
<i>Institution Total (Year wise)</i>							240	60	30		330
38. Seacom Engg. College, 31 No. 2 Jaladhulagari, Sankrail, Howrah, Phone : 2679-0480/0481/0482/0483, Fax : 3430-9308 (City Office), (Year of Establishment-2006)											
Computer Sc. & Engineering								60			60
Electronics & Comm. Engg.								60			60
Electrical Engineering								60			60
Mechanical Engineering								60			60
Information Technology									60		60
Marine Engineering										60	60
<i>Institution Total (Year wise)</i>								240	60	60	360
39. Dream Instt. of Technology, P.O.- Nahazari, Vill.- Samali, P.S.- Bishnupur, 24 Pgs. (S), Kolkata-700104, Phone : 2471-6796, 2573-4603, Fax : 2458-0244 (Year of Establishment-2006)											
Computer Sc. & Engineering								60			60
Electronics & Comm. Engg.								60		-5	55
Electrical Engineering								60		-2	58
Applied Electronics & Instrumentation Engineering								60			60
<i>Institution Total (Year wise)</i>								240		-7	*233
40. Institute of Science & Technology, Dhurabila, Dhankuni, Chandrakona Town, Paschim Medinipur Pin-721201, Phone : 03225-267288, 03432-565504 Fax 03225-266644 (Year of Establishment-2006)											
Computer Sc. & Engineering									60		60
Electronics & Comm. Engg.									60		60
Information Engineering									60		60
Applied Electronics & Instrumentation Engineering									60		60
<i>Institution Total (Year wise)</i>									240		240

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
41. Camellia Institute of Technology, Digberia, P.S.- Madhyagram, Kolkata-700129 <i>Ph : 033-6455-1145 / 1146 / 1660 (Year of Establishment-2007)</i>											
Computer Sc. & Engineering									60		60
Electronics & Comm. Engg.									60		60
Information Engineering									60		60
Electrical & Electronics Engg.									60		60
Applied Electronics & Instrum. Engineering										60	60
<i>Institution Total (Year wise)</i>									240	60	300
42. Camellia School of Engineering & Technology, Nadibag, P.O.- Babu, Madhyagram, Kolkata-700 129 <i>Ph : 033-324871/72 (Year of Establishment-2008)</i>											
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60
Information Engineering										60	60
<i>Institution Total (Year wise)</i>										240	240
43. IERCEM Institute of Information Technology, Banipur College Road, P.S.-Banipur, Dist-24 Parganas (North) <i>Pin-743 233, Ph : 03216-238138 (Year of Establishment-2008)</i>											
Applied Electronics & Instru. Engineering										60	60
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60
Information Engineering										60	60
<i>Institution Total (Year wise)</i>										240	240
44. Pailan College of Management & Technology, Plot-2-6, Sector-I, Phase-II, Bengal Pailan Park, Angachia Road, JOBA, Kolkata-700 104 Ph : 24535605/24978006 (Year of Establishment-2008)											
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60

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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Information Engineering										60	60
Institution Total (Year wise)										240	240
45. ABACUS Institute of Engineering & Management, Natungram, Mogra, Hooghly - 712 141, Ph : 03213 -202076, 9814748723 (M) (Year of Establishment-2008)											
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60
Applied Electronics & Instrum. Engineering										60	60
Information Engineering										60	60
Institution Total (Year wise)										240	240
46. ADAMS Institute of Technology, Barasat, Barrackpur Road under Khilkapur Gram Panchayat, P.S. - Barasat, Pin - 700 056, Ph : 25640604/4340 (Year of Establishment-2008)											
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60
Civil Engineering										60	60
Information Engineering										60	60
Institution Total (Year wise)										240	240
47. Institute of Engineering & Industrial Technology, Durgapur, Vill - Malandighi, P.O. - Kaksha-713 212 Ph : 2700082 / 83 / 85 (Year of Establishment-2008)											
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60
Electrical & Electronics Engineering										60	60
Information Engineering										60	60
Institution Total (Year wise)										240	240
48. Kanad Institute of Engineering & Management, Mankar, P.O. - Mankar, Dist. - Burdwan, Pin - 713 212 Ph : 0343-2532606/2533189 (Year of Establishment-2008)											
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60

ENGINEERING, TECHNOLOGY AND MANAGEMENT EDUCATION

B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
Electrical Engineering										60	60
Information Engineering										60	60
<i>Institution Total (Year wise)</i>										240	240
49. Swami Vivekananda Institute of Science and Technology, Dakshinb Gopidpur, P.S. - Sonarpur, Kolkata-700 145, Ph : 033-24379913 (Year of Establishment-2008)											
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60
Electrical & Electronics Engg.										60	60
Mechanical Engineering										60	60
<i>Institution Total (Year wise)</i>										240	240
50. Greater Kolkata College of Engineering & Management, Duhnai, Ramnagar II, P.S. - Baruipur, Dist.- 24 Parganas (South), Pin-743 302, Ph : 033-24305897 (Year of Establishment-2008)											
Computer Sc. & Engineering										60	60
Electronics & Comm. Engg.										60	60
Applied Electronics & Instrum. Engineering										60	60
Information Technology										60	60
<i>Institution Total (Year wise)</i>										240	240
Grand Total at B.E./B.Tech (Post Higher Secondary) level	340	845	1465	1800	1950	1577	2370	1225	740	2090	15949

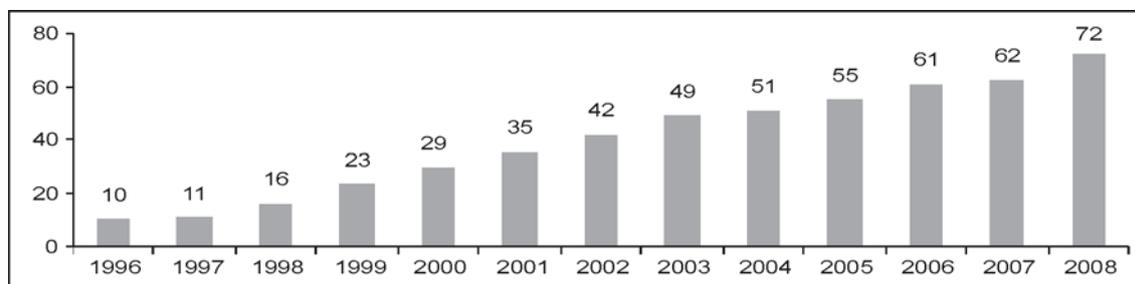
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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
D. Self Financing Pharmacy Colleges											
1 <i>Gupta College of Technological Sciences, Ashram More, G. T. Road, Asansol-713 301 (Private Institute) Ph : (0341) 2213120 / 2204423 / 2203839, Fax : 0341-2213120 (Year of Establishment-2000)</i>											
Pharmacy		60	30								90
<i>Institution Total (Year wise)</i>		60	30								90
2 <i>Calcutta Institute of Pharmaceutical Technology & Allied Health Sciences, Banitabla, P.O. - Uluberia, Howrah-711 316 (Private Institute) Ph : 033 26610499, Fax : 033-28075015 (Year of Establishment-2002)</i>											
Pharmacy				60							60
<i>Institution Total (Year wise)</i>				60							60
3 <i>Netaji Subhas Chandra Bose Institute of Pharmacy, P.O. & P.S. - Chakdaha, Nadia, West Bengal-741 222 Ph : 03473-329337, Fax : 03473-285448 (Year of Establishment-2004)</i>											
Pharmacy						60					60
<i>Institution Total (Year wise)</i>						60					60
4 <i>NSHM College of Pharmaceutical Technology, 124, B. L. Saha Road, Tollygunge, Kolkata-700 053 (Private Institute), Ph : (033) 2246-9130, 2403-2300, Fax : (033) 2217-7333/2246-9130 (Year of Establishment-2005)</i>											
B. Pharmacy							60		-15		45
<i>Institution Total (Year wise)</i>							60		-15		45
5 <i>Gurunank Insititute of Pharmaceutical Science & Technology, 157/F, Nilgunje Road, Panihati, 24 Parganas (North), Pin-743 176 Ph : 2523-1247, Fax : 2563-7957 (Year of Establishment-2005)</i>											
Pharmacy							60				60
<i>Institution Total (Year wise)</i>							60				60
6 <i>Dr. B. C. Roy College of Pharmacy & Allied Health Sciences, Dr. Meghnad Saha Sarani, Bidhan Nagar, Durgapur, Dist. - Burdwan, Pin-713 212 Ph : (0343) 2532-679 / 2532-678, Fax : 0343-2532-679 (Year of Establishment-2005)</i>											
B. Pharmacy							60				60
<i>Institution Total (Year wise)</i>							60				60

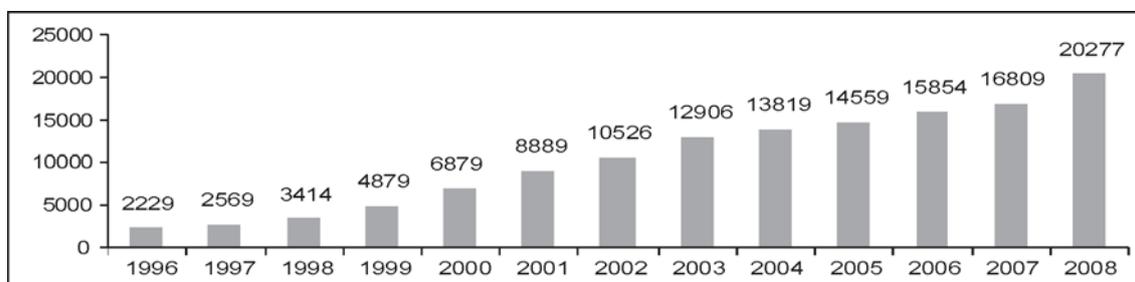
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B.E./B.Tech (Post Higher Secondary)	Upto 90-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	Total
7. BCDA College of Pharmacy & Technology, 78 Jessore Road (South), Hridaypur, Kolkata-700 127 <i>Ph : 2584-2433 / 2665, Fax : 2584-2433 (Year of Establishment-2006)</i>											
Pharmacy								60			60
Institution Total (Year wise)								60			60
8. Bengal School of Technology, Super Market, Station Road, P.O.- Sugandha, Chinsurah, Hooghly-712 102 <i>Ph : 033-2686-6064, Fax : 2686-2482 (Year of Establishment-2006)</i>											
Pharmacy								60			60
Institution Total (Year wise)								60			60
9. Bharat Technology, Jaduberia, Uluberia, Howrah-711 316 <i>Ph : 2709-4430, 3294-8176 Fax : 2661-1174 (Year of Establishment-2006)</i>											
Pharmacy								60			60
Institution Total (Year wise)								60			60
10. Bengal College of Pharmaceutical Science & Research, Durgapur <i>(Year of Establishment-2008)</i>											
B. Pharmacy										60	60
Institution Total (Year wise)										60	60

Year wise establishment of Engineering & Technology Colleges in the State :



Year wise availability of approved seats in degree level engineering & technology colleges in the State :



4.2.2 Categorical distribution of Engineering & Technology disciplines and approved seats available in West Bengal in 2008-09 at a glance.

Sl. No.	Category	Intake
A.	Core disciplines (Civil., Electrical., Mechanical., Mining, Metallurgy, Marine, Chemical, Architecture)	4582
B.	Specialized disciplines (Textile Tech., Apparel Tech., Leather Tech., Ceramic Tech., Jute Tech., Food Tech., Power Engg., Production Engg., Automobile Engg., Instrumentation Engg., Construction Engg., Print Tech.)	770
C.	Cutting Edge disciplines (Electronics & Communication Engg., Computer Science & Engg., Information Tech.)	11795
D.	Amalgamated Disciplines (Applied Electronics & Instrumentation Engg. Instrumentation & Control Engineering, Electrical & Electronics Engineering)	2100
E.	Bio Related disciplines (Bio-Tech., Bio-Medical Engg.)	330
F.	Pharmacy	700

4.2.3 Approved Intake of Hotel Management and Catering Technology (HMCT) for the Academic Session of 2008-2009.

Sl. No.	Name of the Institute	Year of establishment	Approved Intake Capacity
1	NSHM School of Hotel Management, Bharati Road 16th Street B-Zone, Durgapur-713205	2001-02	120
2	Durgapur Society of Management Science, Dr. Zakir Hussain Avenue, Bidhannagar, Durgapur-713 206.	2003-04	120
3	Gurunanak Institute of Hotel management, 157/F, Nilgunj Road, Panihati, Kolkata-700 114.	2005-06	60
4	Siliguri Institute of Technology, Hill Cart Road, P.O.-Sukna, Siliguri, Dist.-Darjeeling, Pin-735 225.	2005-06	45

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Sl. No.	Institutions	Year of Establishment	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Institution Total			
			Mechanical			C.S.E.			Civil Engineering			Electrical			E.C.E.			Pharmacy																				
41	National Power Training Institute	2002																																		0		
42	Netaji Subhas Engineering College	1998				18																18														18		
43	Pailan College of Mgt. & Technology	2008																																		0		
44	RCC Institute of Information Tech.	1999																																		54		
45	Saroj Mohan Institute of Technology	2003																																		0		
46	Seacom Engineering College	2006																																		18		
47	Siliguri Institute of Technology	1999																																		72		
48	St. Thomas College of Engg. & Tech.	2000																																		0		
49	Swami Vivekananda Instt. of Science & Tech	2008																																		0		
50	Techno India College of Technology	2005																																		0		
51	Techno India, Salt Lake	2001																																		72		
	GROUP TOTAL		0	0	0	18	108	0	0	0	0	0	0	0	0	0	0	36	18	0	18	36	144	18	18	18	18	36	54	18	0	0	0	0	540			

4.3 EXPANSION IN MANAGEMENT EDUCATION IN THE STATE :

Management is the process of designing and maintaining an environment in which individuals, working together in groups, become efficient to accomplish selected aims & objectives. It is felt that the need of present day's industry is quality leadership to be provided by Managers in different sectors, including industry acceptance from very first day of one's joining a job and that is why personnel with management education are in a great demand.

In our State many management institutions have been established by the Government as well as by private initiative in last few years to cater to the enhanced requirement of managerial personnel. In the early 50's , there were only one management institution namely the Institution of Social Welfare and Business Management, Kolkata and thereafter in early 60's the Indian Institute of Management, Joka was established. But these two Institutions could not fully met the requirement of this category of personnel. As a result, further expansion of management institutions was felt necessary. Accordingly, many State Universities have established Management Departments and further growth occurs due to establishment of MBA Institutions through private initiations. Students are admitted in Management courses through All India Exams. such as CAT, MAT etc. and also through the State Level Entrance Examination JEMAT conducted by West Bengal University of Technology. In 2008-09, the total number of approved institutions conducting MBA courses is '37' and the intake capacity is '2220'.

4.3.1 Institution wise availability of Seats for Management Education (MBA) in 2008-09 :

University and University Departments							
Sl. No.	Year of Establishment	Year of launching of courses	Sl. No.	Institutions	MBA (FT) 2 Yrs.	MBA (PT) 2 Yrs.	Phone No.
1	1955	1985-86	1	Institute of Business Management, Jadavpur University, 188, Raja S.C. Mallick Road, Kolkata – 700 032.	60	30	1414-6810/ 2414-6219
2	1856	1999-2000	2	School of Management, Bengal Engg. & Science University, Shibpur, Howrah-13	60		2668-4561/ 63
3	1957	2000-2001	3	Deptt. of Business Administration, University of Calcutta, Khudiram Bose Sarani, Alipur Campus, 1 Reformatory Street, Kolkata – 27.	30		91-(033) 2350-0289/ 2351-6026/ 2350-8086

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Sl. No.	Year of Establishment	Year of launching of courses	Sl. No.	Institutions	MBA (FT) 2 Yrs.	MBA (PT) 2 Yrs.	Phone No.
4	1960	1983-1984	4	Deptt. of Business Administration, Burdwan University, Gopalbag, Rajbati, Burdwan - 713 104.	30		91-342-2559774 91-342-9434113809
5	1962	2003-2004	5	Deptt. of Management, University of North Bengal, P.O. – NBU, Raja Rammohanpur, Dt. – Darjeeling, Pin – 734 013.	60		(0353) 2699403
6	1960	2001-2002	6	Deptt. of Business Administration, Kalyani University, Kalyani, Nadia.	60		(033) 2582-1309 6680, 2580-8437
7	1981	2006-2007	7	Vidyasagar University, Dist.-Paschim Midnapur, Pin – 721 102	30		276554/ 276555 (953222) 275297 2765592
8	1960	1983-1984	8	Deptt. of Commerce, Burdwan University, Dist.-Burdwan, Pin – 713 104.	30		91-0342-2533913
Management Institutions							
9	1953	1976-1977	1	Indian Institute of Social Welfare & Business Management, Management House, College Square (West), Kolkata – 700 073.	90	60	(033) 2334-7077/7075
10	1976	2000-2001	2	Institute of Business Management & Research, 318A, Prantik Pally, Rajdanga, Kolkata – 700 107.	60	30	24414822/ 23
11	1997	1997-1998	3	Army Instt. of Management, Judge Court Road, Alipur, Kolkata – 700 027, 24 Pgs (South).	120		(033) 24794494, (2439 8335/ 37/38
12	1934	2000-2001	4	Bharatiya Vidya Bhaban, Institute of Management, Block – FA, Sector-III, Salt lake City, 24 Pgs(North), Kolkata – 700 091.	60		2335-8754, 2335-1283/ 1284/0152
13	2004	2004-2007	5	George College (Deptt. of Management Studies), Mollar Gate, Budge Budge, Trunk Road, Kolkata – 700 141.	60		2217-6142/ 2227-2605/ 9774

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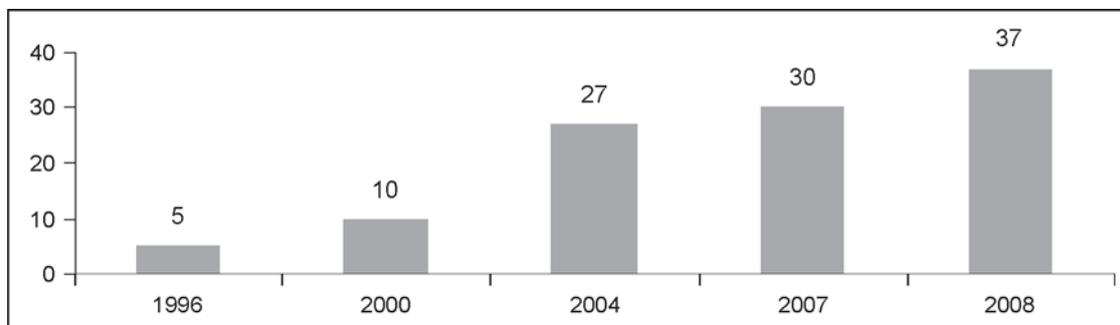
Sl. No.	Year of Establishment	Year of launching of courses	Sl. No.	Institutions	MBA (FT) 2 Yrs.	MBA (PT) 2 Yrs.	Phone No.
14	2004	2004-2005	6	International Institute of Management Science, NH-6, Bombay Road, Palara, Uluberia, Howrah-711 303.	60		(033) 2641 8440 (033) 2337 2592
15	2002	2002-2003	7	Pailan College of Management & Technology, Pailan Park Housing Project, Phase-I, Amgachia Road, Diamond Harbour Road, Kolkata-700 104	60		2453 5605, 2497-8006/ 07
16	2006	2006-2007	8	Future Business School, Sonarpur Station Road, Kolkata – 700 150.	60		91-33-2434 8230/5640/ 5640/5615
17	2008	2008-2009	9	IBRAD (Indian Instt. Of Bio-Social Research & Development), Prafulla Kanan, Kestopur, VIP Road, Kolkata-700 029.	60		Co-ordinator Raktima Mukherjee 9830266403
18	2008	2008-2009	10	Durgapur Institute of Management and Science, Sahid Sukumar Banerjee Sarani, Bidhannagar, Durgapur-713 212.	60		0343-2537 337/ 2536752
19	2008	2008-2009	11	ABS Academy of Science, Technology and Management, Sagarbhanga, Durgapur-713 212, W.B.	60		0343 255- 0697/98
20	2008	2008-2009	12	NSHM Business School, Arrach, Shivtala (Near Muchipara), Durgapur-713 212 (W.B.).	60		033- 2403 2300-1 0343-2548 606, 2548 607
Engineering Colleges with Management Departments							
21	2002	2002-2003	1	Haldia Instt. of Technology, ICARE Complex, HIT Campus, P.O. - Hatiberia, Haldia, Dist. – Purba Medinipur, Pin - 721 657.	60		(03224) 252850/ 253062
22	1979	1984-85	2	Institute of Engg. & Management, Y-12, Salt Lake Electronics Complex, Sector-V, Kolkata - 700 091.	90		2357 2059, 2357 8189
23	2001	2003-2004	3	Heritage Instt. of Tech., 994 Madurdaha, Chowbaga Road, Anandapur, P.O. – East Kolkata Town Ship, Kolkala – 700 107.	90	60 (2006)	033- 2443-0454/ 56/57

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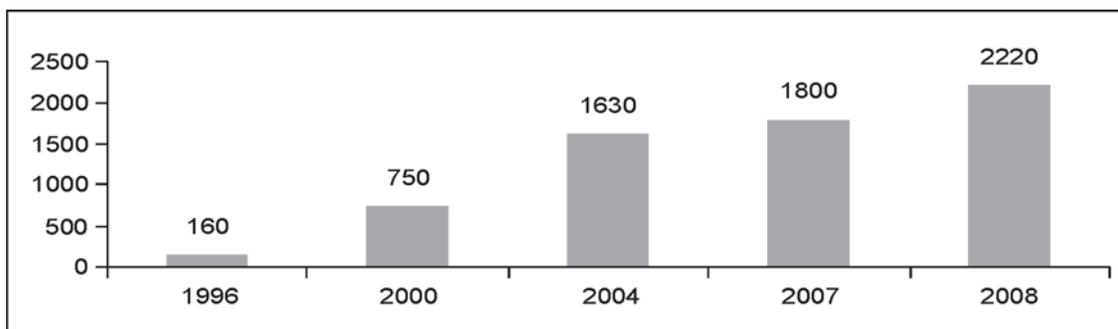
Sl. No.	Year of Establishment	Year of launching of courses	Sl. No.	Institutions	MBA (FT) 2 Yrs.	MBA (PT) 2 Yrs.	Phone No.
24	2000	2002-2003	4	JIS College of Engineering, Block-A, Phase-III, Kalyani, Nadia, Pin-741 235.	60		913322893944/5323
25	2002	2002	5	Meghnad Saha Institute of Tech., Madurdaha, Dag No.-327, Ward No.-108, Kolkata-700 039.	60		2443-1754 033-3294-3462
26	2002	2004-2005	6	Future Institute of Engineering and Management, Sonarpur Station Road, Kolkata-700 150.	60		033-2434 5640/5615
27	2004	2004-2005	7	Techno India, EM 4/1, Salt Lake City, Sector-V, Kolkata - 700095.	60		(033)2334 7077/7075
28	2004	2004-2006	8	Siliguri Institute of Tech., P.O. - Sukna, Siliguri-25, Dist. - Darjeeling	60		0353- 2778002
29	2000	2004-2005	9	Dr. B.C.Roy Engg. College, Loknath Bhawan, Durgapur, Burdwan-713 213.	60		(0343)250- 1353/4106/ 4121/41222/ 4123
30	2001	2003	10	Bengal Institute of Technology & Management, Sriniketan, By Pass, P.O. - Doranda, Near Shanti Niketan, Birbhum.	60		(03463) 271353/4
31	2003	2003-2004	11	Management Instt. of Durgapur, Rajbandh, G.T. Road, Durgapur, Burdwan, Pin - 713 212.	120	60	0343-25- 20712, 2520713
32	2001	2004-2005	12	Narula Institute of Technology (NIT), 81 Nilgunj Road, Agarpara, 24 Pgs (North), Kolkata-700 058.	60		91332289- 3944/5323
33	2007	2007-2008	13	Camellia School of Business Management, Digberia, P.S. - Madhamgram, Kolkata - 700 129.	60		913364551145/ 1146/1660
34	2003	2003-2005	15	Bengal College of Engineering & Technology, Sahid Sukumar Banerjee Sarani, Bidhannagar, Durgapur-713 212.	60		0343- 2533186
35		2008-2008		Calcutta Institute of Technology, Uluberia	60		
36		2008-2009	20	Swami Vivekananda Institute of Management & Computer Science, Karbala, Sonarpur Station Road, P.O. - Narendrapur, Kolkata - 700 103.	60		
37		2008-2009	21	Seacom Engg College, Shankarail, Howrah.	60		

4.3.2 Growth in Management Education in the State :

Trend in growth of Management Institutions in the State :



Trend in increase of availability of approved seats in management education in the State :



4.4 EXPANSION IN MASTER OF COMPUTER APPLICATION (MCA) EDUCATION IN THE STATE:

Commencement from the early half of 1970's there has been initiative to establish course in the field of Computer Science & Engineering. The ever-growing use of Computer in a wide variety of fields was witnessed during the last few decades. This situation was duly taken into consideration by the Government of India as well as Government of West Bengal by laying stress on Computer Education in the National Policy of Education 1986.

The Higher Education system of the country had spared no efforts to identify the needs of the Computer professionals in different sectors and devised variety of programs including Master of Computer Application (MCA).

In this State, up-to 1994-95 academic session there were only 3 (three) universities i.e. Jadavpur University, Bengal Engineering College (D.U.) and North Bengal University where MCA course was offered with very limited intake capacity (100 Nos.).

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Considering the demand and job opportunities many more State Universities and Government as well as Private Institutions have started the MCA course. At present, in the academic session of 2008-2009 the MCA course is conducted in 33 Institutions and the approved intake capacity is '1695'. In this State MCA seats are filled up through a State Entrance Examination JECA conducted by West Bengal Joint Entrance Examinations Board.

4.4.1 Institution wise availability of Seats for MCA Education in 2008-09

University and University Departments

Sl. No.	Year of launching of courses	Sl. No.	Institutions	MCA (FT) 3 Yrs.	Phone No.
1	1994	1	Deptt. of Computer Science , Jadavpur University, 188, Raja S.C. Mallick Road, Kolkata – 700 032.	40	033-2473-4044/4495
2	1994	2	Bengal Engg. College, Depa Botanic Garden, Shibpur, Howrah-711 103.	30	2668-4561/62/63.
3	2000	3	A K Choudhury School of Information Technology, University of Calcutta, Meghnad Saha Bhavan, Kolkata – 700 009.	40	033-2350-0289/ 2351-6026/2350-8386
4	2000	4	Deptt. of Computer Science, Burdwan University, Gopalbag, Rajbati, Burdwan - 713 104.	20	034225558073
5		5	University of North Bengal, P.O. – NBU, Raja Rammohanpur, Dt. – Darjeeling, Pin -734 013.	30	(0353) 2582099
6	2001	6	Deptt. of Computer Science , Kalyani University, Kalyani, Nadia.	30	2580-9615/9617
7	1999	7	Vidyasagar University, Dist.-Paschim Midnapur, Pin – 721 102	40	03222-276554/ 276555/276557/ 276558.
8	1999	8	Deptt. of Computer and System Science, Viswa Bharati University,	15	03463-261766/ 03463-262451.
			GROUP TOTAL	245	

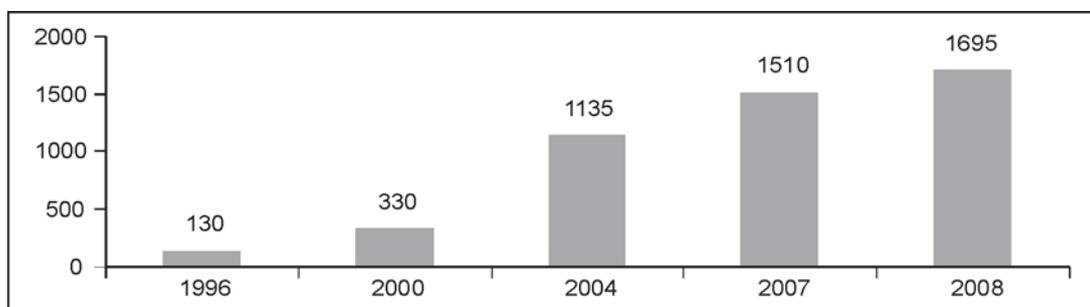
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Sl. No.	Year of launching of courses	Sl. No.	Institutions	MCA (FT) 3 Yrs.	Phone No.
Engineering Colleges (Self financing)					
9	2002	1	Haldia Instt.of Technology, ICARE Complex, HIT Campus, P.O. – Hatiberia, Haldia, Dist. – Purba Medinipur, Pin – 721 657.	60	253062/252850/ 252900
10	2002	2	Asansol Engg College, Kanyapur, Sen Releigh Road, Asansol, Burdwan-713 304.	60	2252108/3057/4248
11	2003	3	Heritage Instt. of Tech.,994 Madurdaha, Chowbaga Road, Anandapur, P.O. – East Kolkata Town Ship, Kolkala – 700 107.	60	033-2443-0454/56/57
12	2001	4	JIS College of Engineering, Block-A, Phase-III, Kalyani, Nadia, Pin-741 235.	60	25822138/25635298
13	2008	5	Meghnad Saha Institute of Tech., Madurdaha, Dag No.-327, Ward No.-108, Kolkata-700 039.	60	2443-1031/1033
14	2007	6	Future Institute of Engineering and Management, Sonarpur Station Road, Kolkata-700 150.	60	033-2434-5640/5615
15	2000	7	Siliguri Institute of Tech., P.O. – Sukna, Siliguri-25, Dist. – Darjeeling	60	2574-076/2574074.
16	2005	8	Dr. B.C.Roy Engg. College, Loknath Bhawan, Durgapur, Burdwan-713 213.	60	(0343) 250-1353/ 4106/4121/41222 4123
17	2004	9	Bengal College of Engg. & Technology, Sahid Sukumar Banerjee Sarani, Bidhannagar, Durgapur-713 212.	60	2536756.
18	2003	10	Management Instt. of Durgapur, Rajbandh, G.T. Road, Durgapur, Burdwan, Pin – 713 212.	60	0343-25-20712, 2520713
19	2004	11	Narula Institute of Technology (NIT), 81 Nilgunj Road, Agarpara, 24 Pgs(North), Kolkata-700 058.	60	913325638888
20	2008	12	Camellia Institute of Technology, Digberia, P.S. – Madhamgram, Kolkata – 700 129.	60	913364551145/ 1146/1660
21	2001	13	Bengal Institute of Technology, Tech. Town, Dhapa, Manpur on Basanti Highway, Haldia.	60	2345-8001
22	2006	14	Calcutta Institute of Technology, Banitabla, Uluberia, Dist.-Howrah, Pin – 711 316.	60	27094367/2661-2096

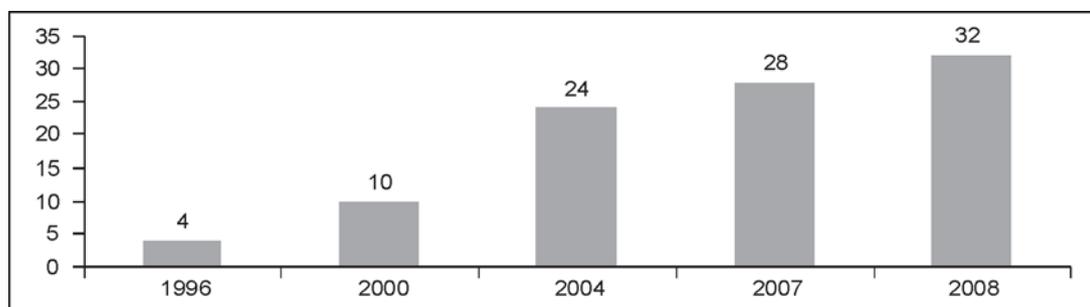
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Sl. No.	Year of launching of courses	Sl. No.	Institutions	MCA (FT) 3 Yrs.	Phone No.
23	2003	15	B P Poddar Institute of Management & Technology, Poodar Bihar, Kolkata-700 052.	40	2578-9607/08/09
24	2002	16	Pailan College of Management & Tech., Pailan Park Housing, P-24 Pgs (South), Pin – 700 104.	60	2497-8006/ 2497-8007
25	2003	17	Netaji Subhas Engg. College, Near Garia Station, Panchpota Police Para, 24 Pgs(South), Kolkata-700 084.	45	2436-3333/1285.
26	2000	18	RCC Institute of Information Tech., Canal South Road, Beliaghata, Kolkata – 700 015.	60	2323-463/3357/2400.
27	2002	19	Techno India Institute of Technology, EM-4/1, Sector-V. Salt Lake City, Kolkata-700 091.	60	033-2443-0454/ 0457/0710.
28	2006	20	Techno India College of Technology, Megacity, New town, Kolkata – 71.	60	
29	2004	21	Academy of Technology, P.O.-Aedconagar, Hooghly-712 121.	60	033-2684-2888/ 0002/0003
30	2008	22	MCKV Institute of Engineering, 243, G.T. Road, North Liluah, Howrah-711 204.	60	033-2654-9315/16/ 17/18
31	2008	23	Bankura Unnayani Institute of Engg., Pohabagan, Baghabandh, Dist.-Bankura, Pin – 722 146.	60	03242-255855/ 255955.
			GROUP TOTAL	1285	
Other Institutions					
32	2003	1	Techno India, Dharmapur, Shantiniketan on G T Road, Chinsurah, Hooghly – 712 101.	60	2680-2389/6565
			GROUP TOTAL	60	
Government Engineering Colleges					
33	2001	1	Govt. Engg. College, Kalyani University, Nadia.	40	2582-1309/2582-6680
			GROUP TOTAL	40	
			GRAND TOTAL	1630	

4.4.2 Trend in increase of availability of approved seats in MCA course in the State :



Trend in growth of Institutions conducting MCA course in the State :



4.5 STATUS OF NBA ACCREDITATION OF DIFFERENT ENGINEERING & TECHNOLOGY COLLEGES OF THE STATE :

4.5.1. Government Engineering & Technology Colleges

Sl. No.	Institutions	Courses Accredited by the NBA	Accreditation with effect from:	Duration of Accreditation
1.	Jalpaiguri Govt. Engineering College, Jalpaiguri	1. Mechanical 2. Electronics & Commn. Engg. 3. Electrical Engineering 4. Civil Engineering 5. Comp. Sc. & Engg. 6. Information Technology	26.02.2009 26.02.2009 Expired in Feb,08 -Do- -Do-	3 Years 3 Years applied for renewal -Do- -Do-
2.	Kalyani Govt. Engineering College, Kalyani	1. Mechanical 2. Electronics & Commn. Engg. 3. Comp. Sc. & Engg. 4. Information Technology	Expired in Sept,08 Expired in Sept,08 Expired in Sept,08 19.07.2008	Renewal in progress 3 Years

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5.	Asansol Engineering College, Asansol.	1. Electronics & Commn. Engineering 2. Electrical Engineering 3. Comp. Sc. & Engineering	Expired in March, 09 - Do- - Do-	Applied for renewal of accreditation
6.	Bengal College of Engineering & Technology, Durgapur	1. Applied Electronics & Instrumentation Engg. 2. Bio Technology 3. Information Technology 4. Electronics & Communication Engg. 5. Comp. Sc. & Engineering 6. MBA (Management)	16.03.2007 16.03.2007 16.03.2007 16.03.2007 16.03.2007 16.03.2007	3 Years 3 Years 3 Years 3 Years 3 Years 3 Years
7.	Dr. B.C. Roy Engineering College, Durgapur	1. Electronics & Commn. Engineering 2. Electrical Engineering 3. Comp. Sc. & Engineering	19.07.2008 19.07.2008 19.07.2008	3 Years 3 Years 3 Years
8.	Narula Institute of Technology, Sodepur.	1. Electronics & Commn. Engineering 2. Electrical Engineering 3. Information Technology	19.07.2008 19.07.2008 04.12.2008	3 Years 3 Years 3 Years
9.	Institute of Engineering & Management, Salt Lake	1. Electronics & Commn. Engineering 2. Comp. Sc. & Engineering 3. Information Technology	11.06.2005 20.07.2005 31.03.2006	5 Years 3 Years 3 Years
10	Netaji Subhas Engineering College, Garia, Kolkata	1. Comp. Sc. & Engineering 2. Electronics & Commn. Engineering 3. Electrical Engineering 4. Information Technology	Expired in Feb, 2008 Expired in Feb, 2008 Expired in Feb, 2008 Expired in Feb, 2008	Applied for renewal.

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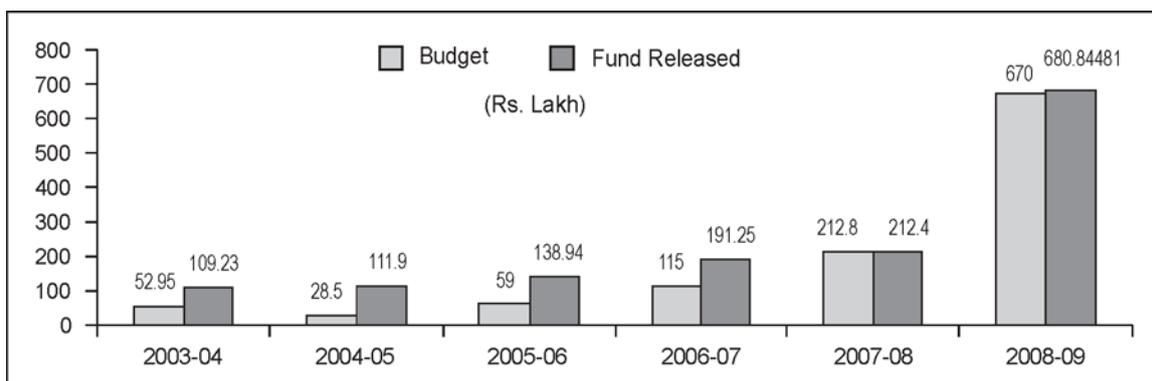
4.6 STATE GOVERNMENT FUND SANCTIONED AND RELEASED (Rs. Lakh):

4.6.1 Development under the Major Plan Head '2203' in 6(six) Government Engineering & Technology Colleges for the year 2008-2009.

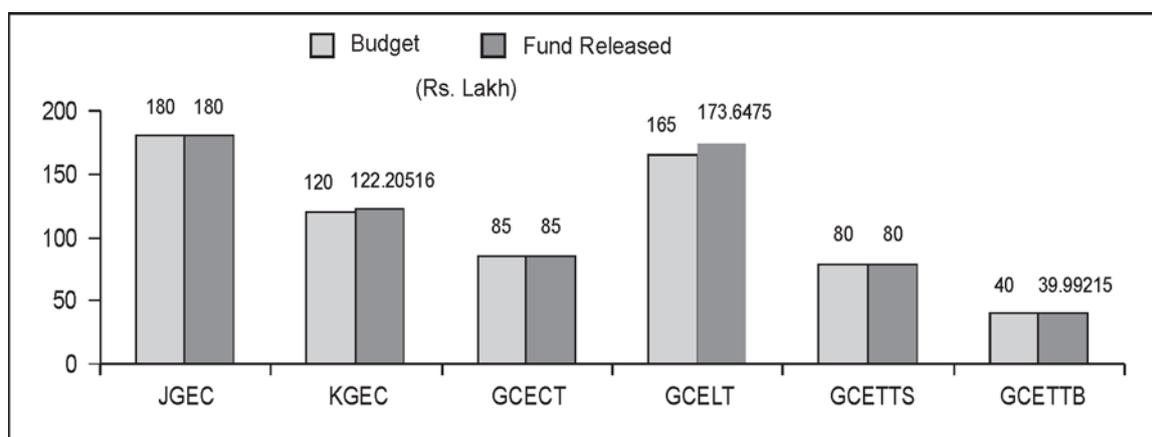
The fund under this head has been mainly utilized for different development works of laboratory, library, workshop, etc. purchasing furniture for Office, hostel, Colleges, etc. and for A.M.C. of various equipment. The fund has also been utilized for setting up of the laboratory and purchase of books & journals for introduction of post-graduate courses.

Budget Vs Fund Released under the Head '2203' – year wise :

In the year 2004-05, 2005-06 and 2006-07 the fund released were higher than the fund sanctioned. This additional fund was received as extra budgetary allocation.



Budget Vs Fund Released under the Head '2203' – College wise : 2008-09

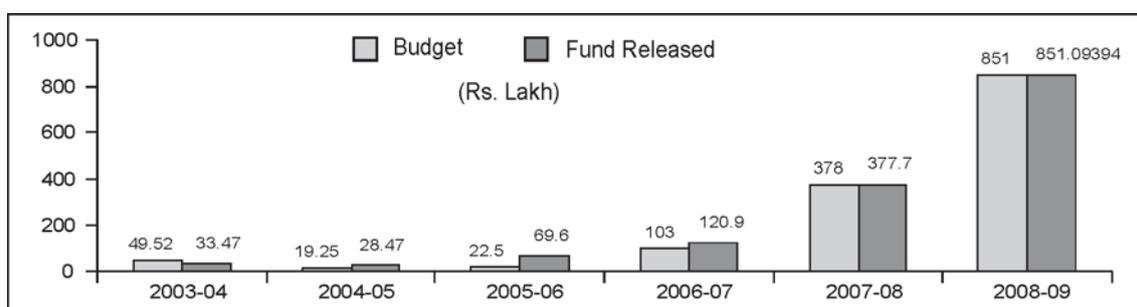


4.6.2 Development under the Major Plan Head '4202' in 6(six) Government Engineering & Technology Colleges for the year 2008-2009.

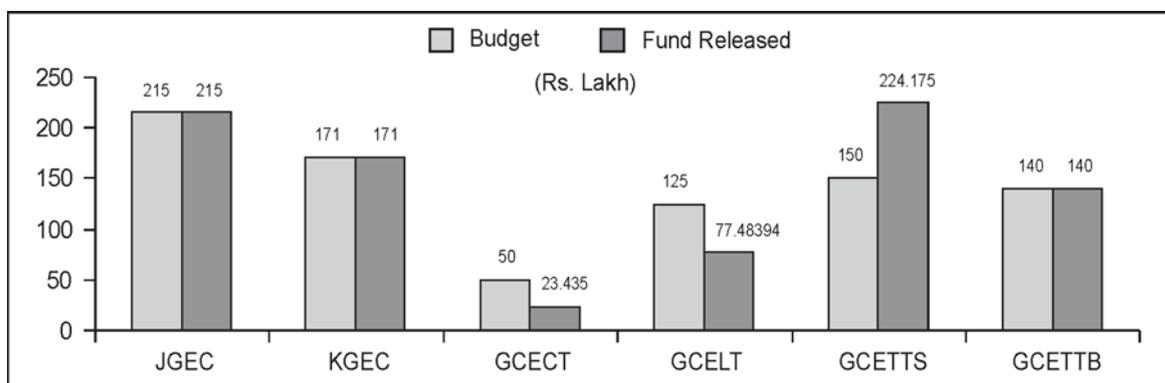
The fund under this head has been mainly utilized for capital expenditure i.e. for construction of new building, renovation and repair works and other civil and electrical works.

Budget Vs Fund Released under the Head '4202' – year wise :

Fund sanctioned over the last five years has an exponential growth :



Budget Vs Fund Released under the Head '4202' – Institution wise : 2008-09



● **Jalpaiguri Government Engineering College, Jalpaiguri :**

The budget provision is Rs. 215.00 lakhs. The fund has been utilized mainly for maintenance work of main College building, vertical extension of ground floor of Type-I quarters, construction of boundary wall, vertical extension of 2nd floor of Administrative-cum-Library building, development of Playground, Campus beautification, improvement of Children's park, extension of boys' hostel, vertical extension of administrative building, construction of auditorium & central library and installation of solar street laying system.

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- **Kalyani Govt. Engineering College, Kalyani :**

The budget provision is Rs.171.00 lakhs. The fund has been utilized mainly for different civil works and also for some electrical works, The fund has been provided for extension of girls' hostel , boys' hostel , repairing of roads, hostels , residential quarters and modification of entrance of the library building, etc.

- **Government College of Engineering & Textile Technology, Berhampur :**

The budget provision is Rs. 140.00 lakhs. The fund has been utilized for rewiring and fixing of ceiling fans in students hostel, construction of damage roof, boundary wall, auditorium, RC construction of damage roof of workshop and construction of the new building inside the Campus.

- **Government College of Engineering & Leather Technology, Kolkata :**

The budget provision is Rs.125.00 lakhs out of which Rs. 77.483 lakhs have been sanctioned for different capital expenditures like vertical extension of 3rd floor, remodeling of existing laboratories, construction of deep tube-well, renovation of Conference Room & Physical testing and analytical Chemistry lab., renovation of boundary wall, etc. The balance fund was diverted to the Govt. College of Engineering & Textile Technology, Serampur as extra-budgetary allocation.

- **Government College of Engineering & Textile Technology, Serampur :**

The budget provision is Rs. 150.00 lakhs but the fund sanction has been enhanced through extra budgetary provision and the amount is Rs. 224.175 lakhs specially due to centenary celebration of the College. Many new construction works have been undertaken with this fund like construction of auditorium, extension of administrative building & guest house, extension of boys' hostel, construction of new academic block, students activity centre, etc.

- **Government College of Engineering & Ceramic Technology, Kolkata :**

The budget provision is Rs.50.00 lakhs out of which Rs. 23.435 lakhs have been sanctioned for different construction works like boundary wall, repair of pipeline, laying of floor tiles and also for electrical installation works at main building and renovation of electrical installation. The balance fund was diverted to the Govt. College of Engineering & Textile Technology, Serampur as extra-budgetary allocation.

4.7 LATERAL ENTRY SCHEME :

Besides 4-Year degree level Engineering & Technology courses in the State of West Bengal, a good number of students is also admitted to different diploma level Polytechnic Institution through a separate Joint Entrance Examination. A good percentage of such students is academically very proficient and their performance in diploma examinations as well as in professional/industrial fields have been found to be very much satisfactory. But unfortunately, there have been no further scope to enrich the technical qualifications of such diploma holders of this State except a very limited scope available through continuation education program at the faculty of Engineering & Technology, Jadavpur University which is a 5-Year part-time evening B.E. course for diploma engineering students.

In pursuance of the scheme of All India Council for Technical Education (AICTE), the State Government has extended the scope of degree level Engineering Education to the diploma holders through the introduction of 'Lateral Entry Scheme' for admission of the diploma holders in degree Engineering / Pharmacy of the State directly into 2nd Year /3rd semester of 4-Year course from the academic session 2001-2002. Under this scheme, diploma holders from the Polytechnic Institutions with 60% marks in aggregate have got the opportunity for admission after qualifying a State Level Common Entrance Test JELET conducted for this purpose. The intake capacity is upto the extent of 10% of the total approved intake along with the vacant seats of the first year. From the academic session of 2008-09 students with 60% marks in B.Sc. are also made eligible for admission under the Scheme as per provision of the AICTE.

4.8 FINANCIAL ASSISTANCE TO POOR & MERITORIOUS STUDENTS STUDYING IN ENGINEERING & TECHNOLOGY COLLEGES IN THIS STATE :**4.8.1 West Bengal Government Merit-Cum-Means Scholarship Scheme :**

In terms of Notification vide No. 401A-Edn(T) dt. 25.4.2007 a new scholarship scheme known as "West Bengal Government Merit-Cum-Means Scholarship Scheme" has been introduced from the academic session of 2006-07 in the State for the students studying in degree level Government and Government aided Engineering & Technology Colleges in the year 2006. Since the year 2007, this scheme is open for all degree level Engineering & Technological Institutions including self-financing institutions. In the academic session 2007-2008, the Merit-Cum-Means Scholarship has been disbursed to '22' candidates of 2nd year , '214' candidates of 1st year and '276' candidates referred by Chief Minister's Secretariat. Total fund received in that year was Rs. 1,14,14,200/- and the total fund released was Rs. 86,01,600/-.

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In this academic session of 2008-09 the Merit-cum-Means Scholarship has been processed for disbursement to '22' candidates of 3rd year, '214' candidates of 2nd year, '214' candidates referred by Chief Minister's Secretariat and '200' candidates of 1st year. Total fund received in the academic session of 2008-09 is Rs. 1,18,64,600/- and the total fund under process of disbursement till date in 2008-09 is Rs.1,09,20,000/-. The scholarship amount is Rs.16,800/- per student per year.

4.8.2 Financial assistance to poor and meritorious students of Private unaided Engineering Colleges in this State :

With the enhancement of tuition fees, the Fee Structure Committee has also recommended for provision of free studentship to meritorious and economically backward students allowing full free studentship to at least 10% of the students and half free ship to at least 5% of the students of approved annual intake against the management quota of 10% of the approved intake sanctioned by the State Government.

The provision has been made in the G.O. vide NO. 450-Edn(T) dt. 26.6.2008. This provision has been implemented by most of the College authorities towards financial assistance to such students who submitted their prayer and are found eligible as per norms. The institutions not having MQ should also give freeship to at least 5% students in terms of G.O. No.410-Edn(T) dated 21th June, 2006.

4.9 SIGNIFICANT POLICIES ADOPTED FOR EFFECTIVE GOVERNANCE OF PRIVATE SELF-FINANCING INSTITUTIONS :

4.9.1. Admission through single window system :

Except the Management Quota (10%) , the entire seats (90%) are allotted to the students by the Central Selection Committee (Engineering & Technology) from the merit list of JEM/AIEEE through single window system.

4.9.2 Restructuring of the Governing Body and its proper functioning as per guidelines of AICTE :

Due attention has been given for constitution of the Governing Bodies of the Colleges following AICTE norms. The State Government has taken pro-active role towards their proper functioning. The Colleges conduct the Governing Body meetings at regular intervals with appropriate agenda items where Govt. in the Higher Education Department, Directorate of Technical Education and State Technical University participate as members.

4.9.3 Admission against Management Quota :

The self-financing degree level Engineering & Technology Institutions are allowed to fill up 10% of their approved intake directly through Management Quota as approved by the State Government. The Management Quota are filled up stream-wise from the merit listed candidates of WBJEE/AIEEE.

4.9.4 Fee-structure of various courses in Private Self Financing Engineering & Technology Colleges :

This is controlled by the Fee Structure Committee duly constituted by the State Government. All the degree level professional institutions fall under this Scheme.

4.9.5 Rating of Private Institutions for gradual up-gradation :

A methodology has been evolved to assess the overall performance of these institutions. Some quality markers have been identified and information on those aspects are collected from the self-financing colleges on a regular basis. Some grade points are assigned against each such quality marker based on which scoring of each College is done. By this process, significantly weak areas of each College are being identified so that those can be improved over a given time frame.

4.10 SIGNIFICANT POLICIES ADOPTED FOR INTRODUCTION OF GOOD GOVERNANCE IN GOVERNMENT ENGINEERING & TECHNOLOGY COLLEGES :

4.10.1 Restructuring of the Governing Body :

The Governing Bodies of all 6 (six) degree level Government Engineering & Technology Colleges have been restructured with more powers and functions vested on the Governing Body and with more members from the industry houses. In many of the Governing Bodies the Chairman himself is from the industry so that appropriate suggestions can be given by the members of the Governing Body for the development of such professional Colleges. After the implementation of the Technical Education Quality Improvement Programme (TEQIP) 4 (four) of the Government Engineering & Technology Colleges are enjoying autonomy to some extent and as such the decision of the Governing Body and its functioning is important for smooth and proper running of these Colleges.

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4.10.2 Block Grant System and sanction of fund :

From the last quarter of the financial year 2008-2009, the block grant system of sanction of fund has been introduced in all the 6(six) Government Engineering & Technology Colleges. In case of 4 (four) Government Engineering & Technology Colleges under TEQIP i.e. Jalpaiguri Govt. Engineering College, Jalpaigur ; Kalyani Govt. Engineering College, Kalyani; Govt. College of Engineering & Textile Technology, Serampur and Government College of Engineering & Ceramic Technology, Kolkata, block grant system was introduced earlier with the implementation of institutional reforms towards financial autonomy and lastly the same has been extended to two other Government Engineering & Technology Colleges i.e. Govt. College of Engineering & Textile Technology, Berhampur and Govt. College of Engineering & Leather Technology, Kolkata. Under the block grant scheme the non-salary non-plan items as a whole are allotted as a grant-in-aid where the institutions are having their autonomy to utilize the fund as per their requirement and necessity. Under the financial autonomy the institutions can retain and utilize the entire tuition fees collected, IRG generated and retained and operate four funds for specific purposos.

4.10.3 Constitution of Financial Management Committee (FMC) :

The State Government has also constituted the Financial Management Committee in each College for gainful utilization of the block grant scheme and other related matters pertaining to plan and non-plan fund requirements under the overall control of the Governing Body/ Board of Governors of each of these Institutions where accountability and transparencies are maintained beyond the given autonomy.

4.10.4 Financial Assistance to Poor and Meritorious Students :

In the Government Engineering & Technology Colleges also, the system of free studentship and half free studentship is present for the poor but meritorious students, so that good students do not suffer due to financial constrains. State Government has introduced 10% full-free studentship and 10% half-free studentship vide Government Order No. 416-Edn(T) dt. 27th July, 2004. for these Institutions.

4.11 Fee Structure Committee set up by the State Government in the Higher Education Department as per judgement of the Supreme Court has made an interim recommendation for the revision of fee structure of the Engineering & Technology Courses

The Committee in the State of West Bengal was constituted as per Supreme Court's Order vide G.O. No. 826-Edn(T) dt. 18th October, 2004 under the Chairmanship of Justice Pradipta Roy, Retired Judge of Hon'ble High Court, Calcutta. There are total 5 (five) members including AICTE nominee, Principal Secretary, Higher Education Department acting as a Member-Secretary. The Committee recommended the tuition fee to be charged for UG courses per student per annum is Rs.41,000/- for Self-financing Engineering & Technology Colleges in addition to one time admission fee of Rs. 3000/-. Necessary Government Order {410-Edn(T) dated 21-06-2006} has also been issued in this regard.

The Fee Structure Committee has revised the fees for Post Graduate Courses in Government Engineering & Technology Colleges which varies from discipline to discipline. For Information Technology, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical, Electrical and Civil Engineering it is Rs.3000/- p.m. and for Textile Technology, Leather Technology and Ceramic Technology it is Rs.1500/- p.m. in addition to one time admission fee of Rs.3000/- for all branches. For MCA course the tuition fee is Rs.1500/- p.m. Necessary Government Order {683-Edn(T) dated 26-09-2009} has been issued in this regard.

4.12 Prohibition of Ragging

The State of West Bengal has formulated "the Prohibition of Ragging Act in 2000" and Rules thereof in 2001. The Act and Rules for Prohibition of Ragging issued by the State Government have been circulated to the Institutions to display the same in proper places of the Institutions for information of the students and all other concerned persons. The Committee to look after the ragging cases i.e. Anti Ragging Committee has also been formed in each and every Institutions. State Government has also constituted an Appellate Committee in this regard. Necessary measures as per the Provision of the Acts and Rules are taken from time to time in case of any incidence of ragging. Measures have also been taken to provide separate hostels for the 1st year students as far as possible in the Government Engineering & Technology Colleges.

Different guidelines towards prohibition of ragging are circulated to all the Institutions concerned in a regular manner.

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4.13 Reforms in Joint Entrance Examination Process :

Reforms in the Examination Process :				
Year		2006	2007	2008
1	Question Pattern	MCQ type	MCQ type	MCQ and short question
2	No. of days for exam.	Two days Day -1: Math + Physics Day-2 :Chemistry + Biology	One day Session 1 : Math Session 2 : Physics + Chem. Session 3 : Biology	Same as 2007
3	Papers for Exam. And Full Marks	1.Physics - 100 2.Chemistry-100 3. Math/Bio -100	1. Math – 100 2. Physics+ Chemistry-100 3. Biology - 100	Same as 2007 80% MCQ and 20% short answer type
4	Duration of Examination	3 hours for each Paper (Total - 12 hours)	2 hours for each Paper (Total - 06 hours)	Same as 2007
5	Evaluation System	Computerized Checking	Computerized Checking	MCQ- Computerized Short Type- Manual Checking
6	Negative Marking	Applicable	Applicable	Applicable
Reforms in eligibility criteria :				
1	Cut off Marks in 10+2 Exam.	For Engg. – Not applicable For Medical – 50% in P.C.B. With over all 50% marks	For Engg. 45% in P.C.M. and Pass in English For Medical – 50% in P.C.B. in HS (10+2) With over all 50% marks	For Engg. 50% in P.C.M.(40% for SC/ST candidates) and Pass in English in HS(10+2) For Medical – 50% in P.C.B. With over all 50% marks
2.	Domicile Restriction	For Engg. – No restriction For Medical - Applicable	For Engg. – No restriction For Medical - Applicable	For Engg. – Only Govt. Colleges For Medical – Applicable
3	For B.Pharm Course	Subject combination in JEM was PCM only	Decided to prepare Merit List on PCM and PCB subjects separately for Pharmacy.	No separate Merit List but both candidates with PCM/PCB area allowed.

4.14 Reforms in Counseling Process :

For selection through State Joint Entrance Examination (JEM)				
	Item	2006	2007	2008
1	Publication of Merit List	Done in a Phase-wise manner 1st Phase - upto 20000 2nd Phase - upto 35000 3rd Phase - upto 45000 4th Phase - upto 69700	Decided to publish in a single phase up to 45000	Same as 2007 Up to 45000 in a single phase.
2	Conduct of Counseling	Done in a phase-wise manner with PH candidates first followed by ST/SC/General Candidates.	Decided to conduct in a single phase with PH candidates first followed by ST,SC and General candidates.	Three round of counseling i) Preliminary Round for all Merit listed candidates ii) For wait listed candidates only. iii) For candidates not allotted any seats.
3	Date of Counseling	1st Phase 28.06.2006 to 13.07.2006 2nd Phase 14.07.2006 to 27.07.2006 3rd Phase 29.07.2006 to 04.08.2006 4th Phase 14.08.2006 to 21.08.2006	1st Phase 25.06.07 to 25.07.07 2nd Phase 11.09.2007 to 13.09.2007	1st Phase 26.06.2008 to 15.07.2008 2nd Phase 09.08.2008 to 10.08.2008 3rd Phase 26.09.2008 to 28.09.2008
For selection through All India Joint Entrance Examination(AIEEE)				
	Applicable for self-financing Engg. Colleges only.	For institutions located in and around Kolkata – 5% seats For institutions located outside Kolkata – 15% seats.	Decided to be applicable in 10% seats for all self-financing Engg. Colleges.	Same as 2007
For selection through Lateral Entry Scheme (JELET)				
	Direct admission of Diploma Holders in 2nd year of B.E., B.Tech.	10% approved intake of each B.E./B.Tech course along with vacant seats of 1st year have been allowed for admission under this Scheme.	Same as in 2006	Not only Diploma holders but also B.Sc candidates have been allowed for taking admission under this Scheme.
For selection through Management Quota				
	10% of approved intake have been allowed for taking student under Management Quota from JEM/AIEEE	Not introduced	Introduced in 2007-08 academic year. Procedure for admission has been directed by the State Government.	Same as 2007

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4.15 Achievements

4.15.1 Introduction of New Courses in Government Engineering & Technology Colleges in the academic session of 2008-09.

In addition to the existing courses the following two courses have been introduced :

Sl. No.	Name of the Institution	Name of the discipline	Intake capacity
1	Govt. College of Engg. & Textile Technology, Serampur	Apparel Production Management (UG)	30
2	Jalpaiguri Govt. Engg. College, Jalpaiguri	Post-Graduate Dip in Information Technology (In collaboration with Jadavpur University)	7/8 or as will be decided in consultation with J.U.

AICTE has also approved two Post-Graduate courses at Jalpaiguri Govt. Engineering College, Jalpaiguri.

4.15.2 Introduction of new courses in Private Engineering & Technology Colleges in the academic year 2008-2009.

The State Government has taken a policy to encourage Private Institutions to introduce core disciplines (Civil, Electrical, Mechanical, etc.). Accordingly many such courses have been introduced. For details enclosed table may be referred.

4.15.3 Performance in Different Competitive Examination like GATE, CAT by the Students in the various Engineering & Technology Colleges in the State of West Bengal.

The students of different Government Engineering & Technology Colleges are performing good results in the competitive examination for the Higher Studies like GATE for Post Graduate Studies and CAT for Post Graduate Management Studies. Even the students in some of Private Engineering Colleges have scored very high percentile/GATE score as well as CAT score.

4.15.4 Centenary Celebration of Government College of Engineering & Textile Technology, Serampur.

The College has observed its centenary celebration (1908 to 2008) in a befitting manner. Centenary year celebration organised by GCETT, Serampur on 29th January, 2008 to mark the beginning and the programme was inaugurated by Hon'ble Governor of West Bengal. Centenary celebration was organised by the Institute on 30th November, 2008 to commemorate 100 years of glorious existence

of the Institution. This programme was inaugurated by Hon'ble Finance Minister, Govt. of West Bengal. The foundation stones were laid for Centenary Auditorium, Centenary Guest House and extension of Boys' Hostel. Many developmental works have been/will be undertaken on this occasion beside the regular work i.e. construction of Girls Hostel, Academic Block, Community Development Centre, Principal & Staff Quarter.

4.15.5 Setting up of “Tanning Training and Service Centre” (TTSC) in Kolkata Leather Complex by Government College of Engineering & Leather Technology, Kolkata.

An agreement was signed on 5th February, 2007 in Kolkata between the Italian Trade Commission, Council of Leather Exports, Assomac, Calcutta Leather Complex (CLC) Tanners' Association and the Government of West Bengal to facilitate the setting up and implementation of the project “Tanning Training and Service Centre” (TTSC) in Calcutta Leather Complex with the collaboration and technical assistance of Italian Government. The agreement was signed in the present of Ms. Emma Bonino, the Minister for International Trade, Govt. of Italy.

The objective of setting up of TTSC is to provide and upgrade the technology and the productivity in the Tanning Industry in West Bengal by transfer of know-how from Italy.

The State Government decided that the TTSC will initially be set up and operated from the present premises in the Government College of Engineering & Leather Technology (GCELT), Salt Lake. The Centre is now running from GCELT. The said College is the agency on behalf of the State Government which will operate the TTSC. TTSC will be permanently set up at the CLC. The Commerce & Industry Deptt. is taking steps to allot 2,500 sq.m land at CLC for TTSC. Higher Education Department has already spent about Rs.35.0 lakhs for the remodelling of the Laboratory and for providing analytical instruments for TTSC at GCELT. The Govt. of Italy would provide equipments as per EU norms to the College for TTSC worth Rs.3.14 lakhs and will also send experts to train the practising tanners and the teachers.

4.15.6 One day conference held on Higher Technical, Management Education and Research in West Bengal : Prospects, Challenges and Directions

A conference was held on 10th December, 2008 organised by Seacom Engineering College, Sankrail, Howrah in association with Directorate of Technical Education, Higher Education Department and West Bengal University of Technology. Delegates from different Engineering & Technology & Management Institutions of the State have attended and participated in the conference. Many dignitaries have also attended the conference in different sessions as speakers to deliver their views, opinions and suggestions for the quality improvement in Higher Technical and Management Education in West Bengal to have the right direction for further development in future.

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4.16 Innovative and best practices :

4.16.1 A few innovative activities of some of the Institutions

Sl. No.	Name of the Institute	Title of innovation
1	Jadavpur University	Compact Highgain Antenna for Wireless :PCS/Cell
		An improved metallic tooth inplanned.
		An Apparatus for removing water soluble pollutants and suspended particulate matter from affluent gases.
		A process for preparing textile articles dyed by colouring materials isolated from flowers.
		A potable herbal composition and value added product from betel leaf and process for preparing the same.
		An apparatus for safety and security of Railway track.
		Protection device of manhole covers.
		Novel dual frequency micro-strip antenna.
2	Bengal Engineering and Science University	IP Camera based object tracking system.
		A smart energy saving device for power factor control and power quality monitoring.
3	Government College of Engineering & Textile Technology	Development of new recipe of size paste used for jute warp yarn.
		Development of a biaxial testing machine.
		Design and development of Weavability Tester jointly with
		SITRA, Coimbatore.
4	Haldia Institute of Technology	Transform Insulation Condition Monitoring Equipment & Expert System for Fault Analysis.

4.16.2 A few best practices of some of the Institutions

Sl. No.	Name of the Institute	Short Description
1	Bengal Engineering and Science University	14 Nos. of Cells are created which are equipped with teaching learning aids to facilitate remedial teaching for the disadvantaged students.
		Software has been installed to strengthened the day to day management capacity and functioning of the University in all the sections including accounts, students affairs, establishment, examination, etc.
2	Govt. College of Engg. & Textile Technology	Teacher's assessment by the students is done on line and the processing of the information are also made by a computer software, developed by this institute.
		Citations are given to faculty members for publishing papers in international & national journals, books and presenting papers in international and national conference.
3	Haldia Institute of Technology	Students are inspired to make working models
		Students are prone for analytical ability
		Self-explanatory
4	Institute of Engineering & Management	It is used for day to day different functions of the students like students admission process, accounting, etc.
		All faculty and staff members as well as the key officials of IEM meet daily in the morning, each working day and discuss matters of importance.
		Fully functional corporate relationship cell with efficient executives, maintain a good report with the industries for placement training and other related activities.
5	Netaji Subhash Engineering College	Senior students design and fabricate laboratory training kits for junior classes as special assignments or project work as apart of revised curriculum.
		Three nos. special real life laboratories have been established to acquaint students with real life industrial machines and equipments.
		20 to 40% of the experiment of each laboratory are changed each year.
		In their 3rd and 4th semesters capable and willing PG students are given an opportunity to teach in laboratories and junior classes.
		A lump sum fee of Rs.8000/- is paid to them from the institute.
		A scheme has been implemented to recognize merit and outstanding contribution from faculty members.
		Best teacher of the college and best teacher of the department are selected on students feed-back and on other laid down guidelines. They are facilitated during college day function and handed over the above.
6	Asansol Engineering College	Psychometric Test done for students and rectify their deficiency , if any.

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4.17 Status report of Technical Education Quality Improvement Programme (TEQIP) Phase-I

4.17.1 Salient Features of the Project :

The World Bank assisted, Govt. of India coordinated, multi-state, long term programme (15 years in 3 consecutive Phases) viz.. “**The Technical Education Quality Improvement Programme (TEQIP)**” has been implemented in this State under the 1st Phase in Second Cycle since the last quarter of 2004-05. This programme has been designed to develop well performing higher technical education institutions into excellent institutions comparable to the best of the world. Total 13 States and 18 Centrally funded institutions are participating in this programme covering 127 institutions.

In this State of West Bengal eleven Engineering & Technological institutions named below have been selected through competitive selection procedure for participation under this project : **Three (3) Universities** : (University College of Technology, Calcutta University, Jadavpur University and Bengal Engineering & Science University, Shibpur): **Four (4) Govt. Engineering Colleges** : (Kalyani Govt. Engineering College, Kalyani, Jalpaiguri Govt. Engineering College Jalpaiguri, Govt. College of Engg. & Textile Technology, Serampore; Govt. College of Engg. & Ceramic Technology Kolkata) and **Four (4) Self financing Private Colleges** : (Haldia Institute of Technology, Haldia, Institute of Engg. & Management, Kolkata, Netaji Subhas Engineering College, Garia, Asansol Engg. College, Asansol).

In order to have an effective implementation mechanism State Project Facilitation Unit (SPFU) was constituted in each State. The Principal Secretary, Higher Education, is acting as State Project Director and Director of Technical Education West Bengal, is acting as Head/ State Project Advisor in SPFU.

4.17.2 Programme Objectives :

The broad objectives of the Programme as given below have been derived from the National Policy on Education (NPE-1986 as revised in 1992) :

- a) To create an environment in which engineering institutions selected under the Programme can achieve their own set targets for excellence and sustain the same with **autonomy** and **accountability**.
- b) To support development plans including synergistic networking and services to community and economy of competitively selected institutions for achieving higher standards.
- c) To improve efficiency and effectiveness of the technical education management system in the States and institutions selected under the Programme.

4.17.3 Components of Programme :

In order to achieve excellence in quality of Higher Technical Education the institutes utilized the Project Fund for the following purposes as per their own set targets :

Academic Excellence :

- i) Development of different Laboratories / Workshops through procurement, installation, commissioning of state – of the – art equipment for teaching as well as research purposes;
- ii) Development of Library by establishing e-library, e-journal, e-book facilities;
- iii) Development of Human Resources through training of Faculty and supporting technical / non-technical staff;
- iv) Creation of new academic space and development of the overall ambiance of the institute through refurbishment / repair of existing civil / electrical facilities available;
- v) Tribal Development Plan for wiping out the weaknesses generally found amongst the reserved categories and OBC, Girl and Rural students by way of providing additional facilities for communication skill development, special counseling, special coaching for higher studies etc.

Networking :

- vi) Synergic Networking amongst TEQIP and non TEQIP institutions(both national and international) for mutual sharing of physical and human resources like Laboratory / Library, faculty expertise sharing, Jt. Research, Jt. Publication etc.

Services to Community & Economy :

- vii) Utilization of technical resources and expertise available with the institutes for providing training to the socially disadvantaged groups and unemployed youth, organized labour force etc. for technology transfer to the industry and community, skill development, increasing employability etc.

4.17.4 Project Cost :

Total Project cost approved for this State by National Selection Committee under MHRD, Government of India, **is Rs.147.097 crore.**

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4.17.5 Funding Mechanism :

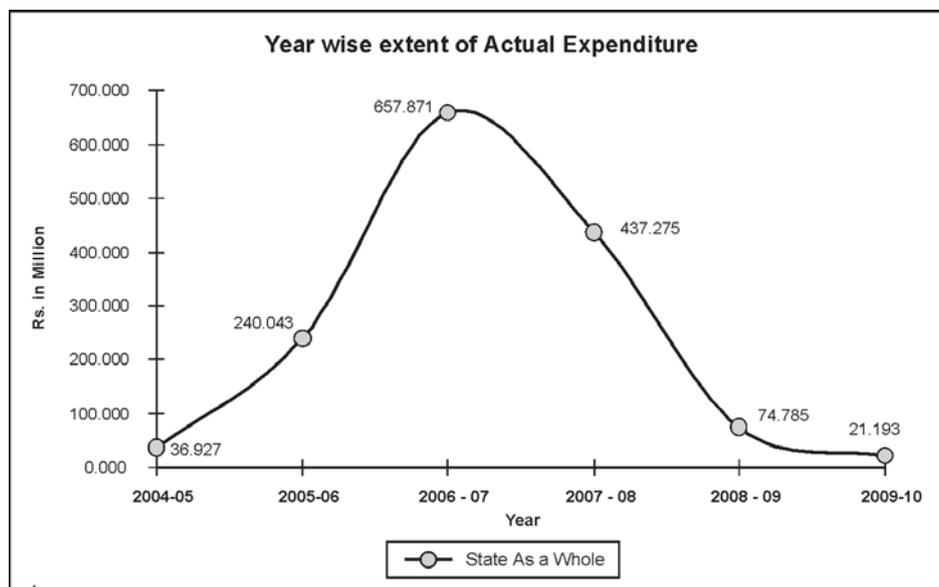
The State Govt. has been funding the Project out of its own resources as provided in the State Budget through SPFU. Reimbursement has been received from the Central Government @ 80% of the Actual Expenditure incurred. SPFU releases fund to the programme institutes by assessing their respective requirements.

The State Govt. allowed SPFU and all Eleven Programme Institutes to open dedicated Bank Account for flow of TEQIP Fund.

As per Project Guidelines TEQIP Fund has been released (1) as 100% grant to 3 (three) Universities and 4 (four) Govt. Engineering Colleges and (2) as 100% loan bearing interest (@ 8.2% p.a. to 4 (four) self-financing private institutes.

4.17.6 Financial Status :

The State Govt. released full amount of Life Time Allocation of Rs. 147.097 crore for project implementation. At the project end total Life Time Allocation for this State has been almost fully utilized by the programme institute and SPFU. Year wise extent of actual expenditure has been presented below :



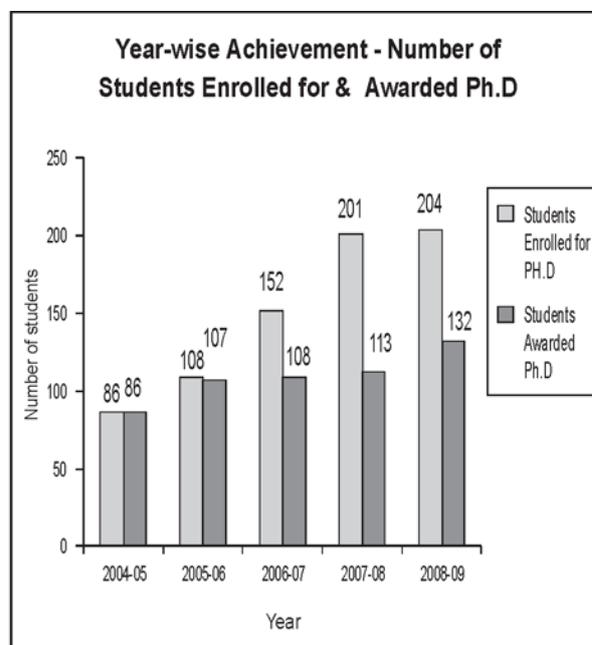
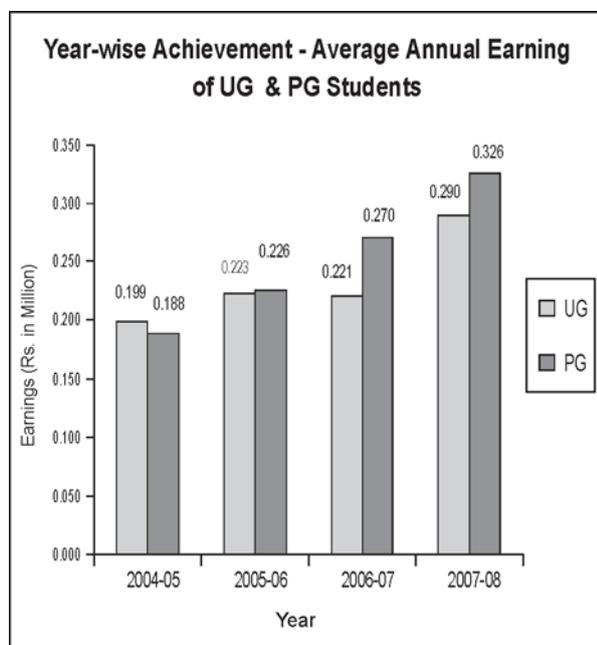
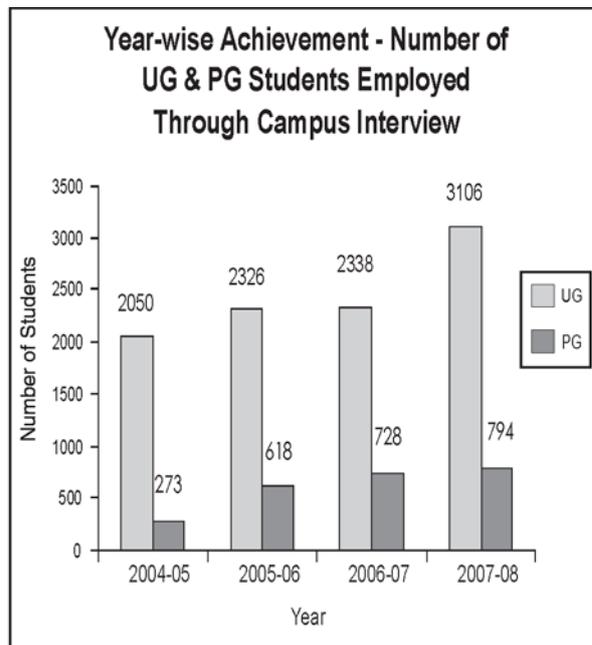
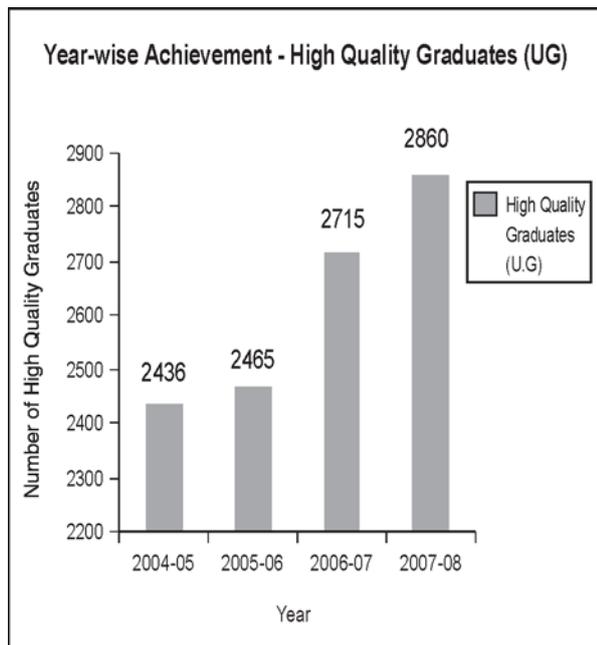
4.17.7 Component wise Fund Allocation & Utilization :

- For Development of different Laboratories / Workshops Life Time Allocation was Rs. 92.39 crore, but actual expenditure incurred was Rs.92.66 crore. Additional expenditure was from interest earned from TEQIP fund.
- Books and Learning Resources were procured for modernization of Library facilities to the extent of Rs.17.50 crore.
- Out of 1344 nos. of Faculty and 1773nos. of Staff in position 904 nos of Faculty (trained more than once) in 1116 areas and 696 Staff in 287 areas have been trained. Actual expenditure incurred for this purpose is Rs. 7.93 crore.
- Institutions spent Rs. 9.16 crore for Civil Work purposes including the cost of three new buildings constructed by Jadavpur University, Haldia Institute of Technology and Kalyani Government Engineering College.
- Institutions have implemented 202 nos of such activities benefiting 21559 nos. of weaker students.
- Rs. 3.46 crore has been spent for 477 networking activities which benefited 23835 nos. of student.
- By spending a sum of Rs. 4.58 crore institutions has conducted 542 nos of activities covering 71119 nos of beneficiaries in Services to Community & Economy.

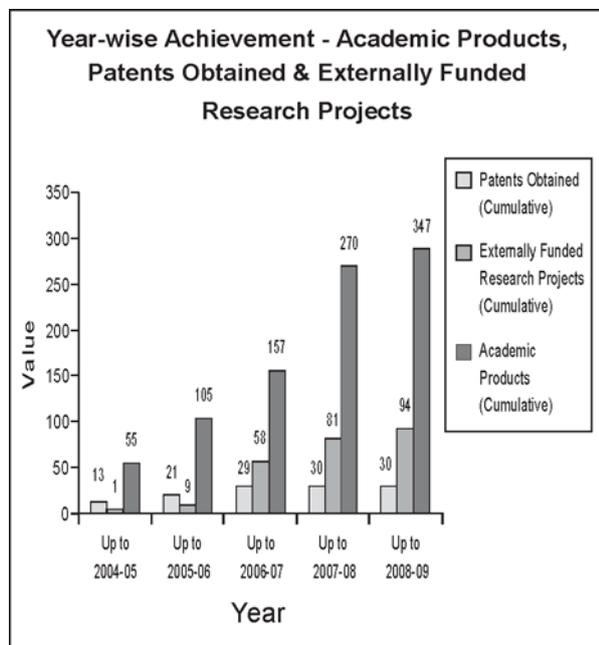
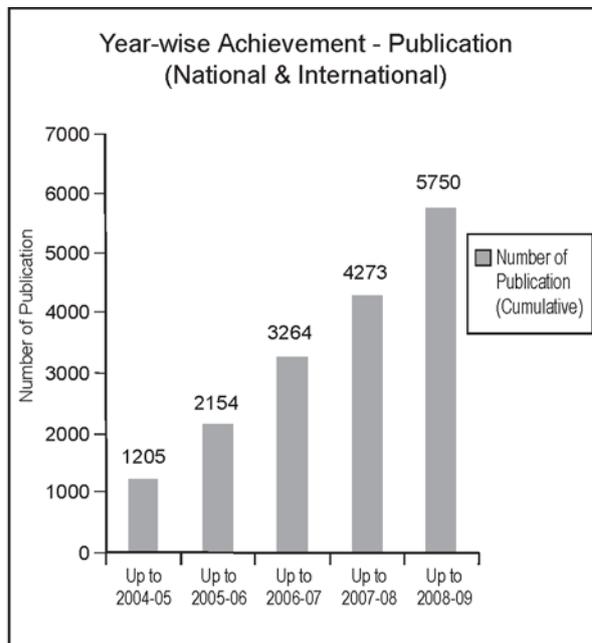
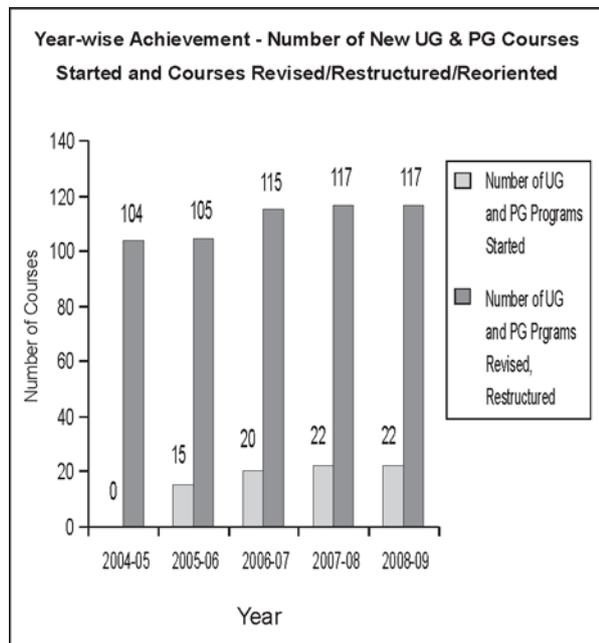
4.17.8 Impact of the Project :

Impact of the implementation of this programme became evident in the steady rise in academic outcomes/outputs which were considered as important performance indications. A few such deliverables are presented hereunder to exhibit their growth rate over the entire life time of the project.

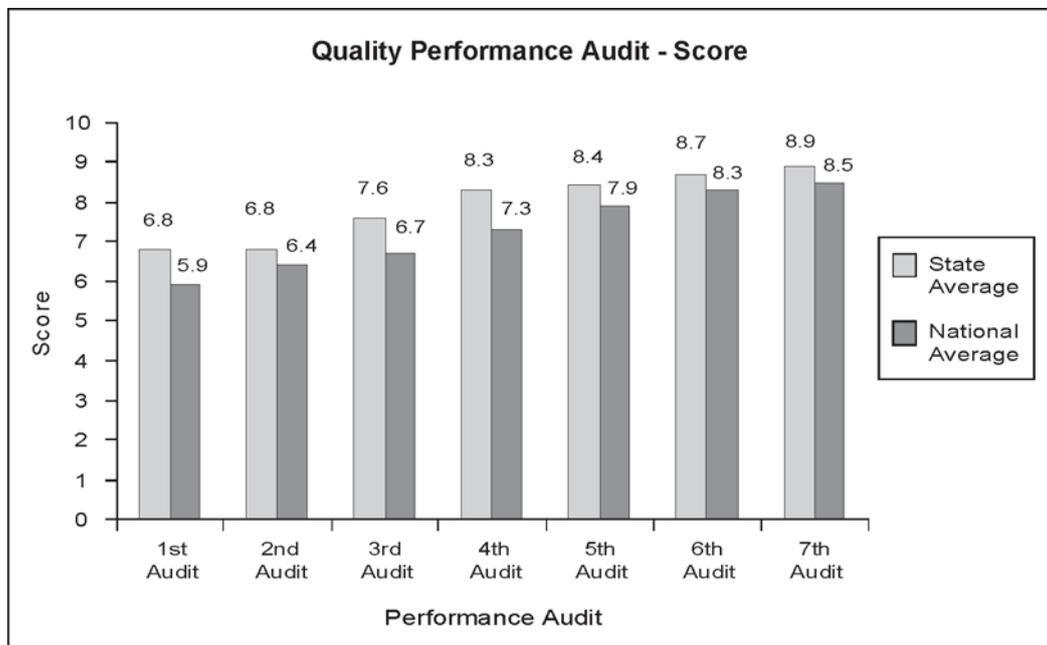
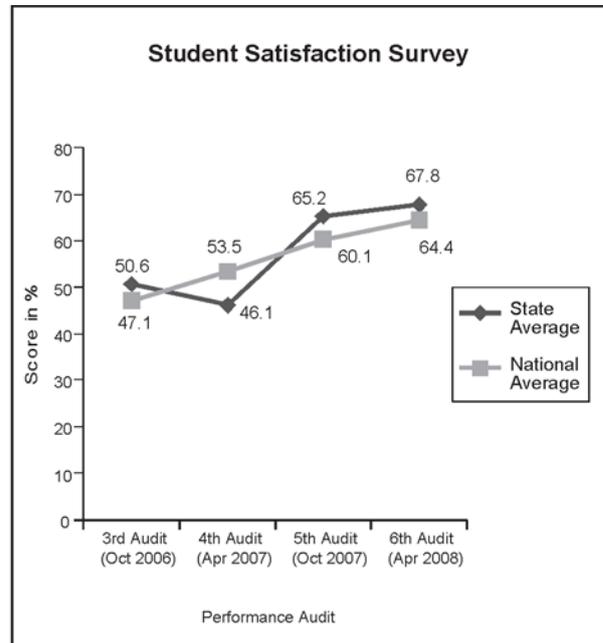
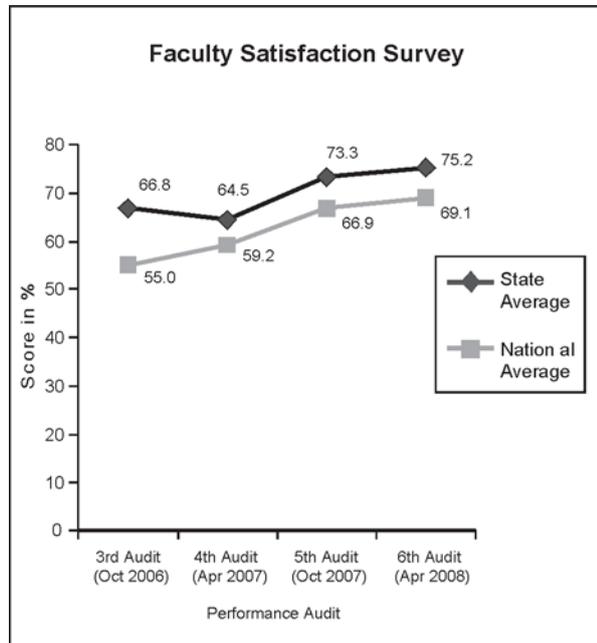
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4.17.9 Compliance of Legal Covenants of the Programme :

One of the important legal covenants of this programme to be complied with by the State is to grant academic, financial, administrative and managerial autonomy to the programme institute with accountability. Accordingly the following financial reforms have been introduced specially in 4 Govt. Engg. and Technological Colleges under this Programme.

Towards granting them substantial financial autonomy with accountability : –

- (1) Non-plan funding for non-salary items in respect of these 4 Govt. Engg. & Technological Colleges have been changed to Block Grant System vide G. O. No. 598-Edn(T) dated 28.09.2006 from the financial year 2006-2007 for a period of five years for the present taking 2005-06 as Base year with the authority to :
 - (a) Allocate / reallocate the Block Grant to expenditure categories as BOG of the Institutes deemed fit.
 - (b) Take fiscal decision for better financial management of the Institute through the Financial Management Committee constituted as per suggested guidelines under the overall supervision of the Board of Governors.
 - (c) Retain the savings out of Block Grant and invest the same for future institutional development.
 - (d) Operate a bank account through which all financial transactions of the institute would follow.
- (2) Permitting the Institutes to retain and utilize internally generated revenue (IRG) through various activities like consultancy, calibration and testing, industrial research for revenue generation purposes, continuing education, running of short-term courses, rational utilization of physical resources of the institute etc.
- (3) Permitting the Institutes to retain tuition and other fees collected from the students and also to prescribe students fees subject to the upper ceiling to be prescribed by the Govt.
- (4) Permitting to share net proceeds of the IRG between faculty / staff who will participate in revenue generation activity and the institute at the ratio of 60:40.

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- (5) Permitting the Institutes to create and establish four following Funds :-
 - i) Corpus Fund.
 - ii) Staff Development Fund.
 - iii) Maintenance Fund.
 - iv) Depreciation Fund ; and
- (6) Permitting them to invest Institutes' share of the IRG in varying percentage to these four funds.
[G.O.No.649-Edn(T) dated 31.10.2006]
- (7) The institutes also have to endeavor to recover the cost of education, to reduce wastage etc. as per programme guideline

Besides financial reforms a number of academic and non-financial reforms as outlined in the programme guidelines have also been introduced in the programme institutes. Most noteworthy of such reforms are :

Reconstitution of B.O.Gs with the participation of stakeholders; awarding administrative and managerial autonomy to be exercised by BOG and different committees/sub-committees under it; performance appraisal of teachers by students and teacher counseling to improve teaching effectiveness; friendly management system for staff and students etc.

4.17.10 Audit :

Financial Progress as well as the procurement activities under TEQIP have been regularly monitored by SPFU. Besides, these were subject to three types of Audit

- (1) Statutory Audit by the CAG.
- (2) Audit by a CAG empanelled Chartered Accountant Firm engaged by SPFU as per guideline. Report to be sent to World Bank through National Project Management Unit (NPIU) and also submitted to the State Govt.
- (3) Post-Procurement Audit by the World Bank Consultant Firm.

So far, CA Firm Audits have been completed for 2004-2005 to 2007-2008 and reports sent to the World Bank and to the Govt.

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Post Procurement Review (PPR) by World Bank Consultant for 2004-2005 and 2005- has been done.

As per advice of World Bank & NPIU Post Procurement of Review of Contacts in respect of Programme Institute for 2006 -07 and 2007 -08 have been completed by SPFU Team. Audit Reports have been sent to World Bank through NPIU.

4.17.11 Review :

Since inception of the Project the World Bank, Government of India & NPIU reviewed the progress of Project implementation through bi- annual Joint Review Mission (JRM).

Three eminent Academicians have been engaged by the State as Performance Auditors / Mentors to monitor and ensure fruitful implementation of the programme by the Programme Institutions. Performance Audit score of this State is always above the national average.

Besides, the following Surveys were also conducted to ascertain the impact of implementation :

- 1) Student and Faculty Satisfaction Survey
- 2) Utilization of Resources Survey
- 3) Faculty Development Survey
- 4) Implementation Survey

In successive Joint Reviews conducted by World Bank and MHRD, Govt. of India, overall performances of this State have been ranked as Satisfactory.

4.17.12 Implementation Completion & Results Report (ICR) :

At the end of World Bank's Project it is customary to prepare an Implementation Completion and Results Report in order to assess (i) the Performance of the Project (Achievements and Implementations) and (ii) Lessons learned – both positive and negative. This exercise helps to design the next phase of the programme. The preparation of State ICR is in progress.

4.17.13 TEQIP-Phase II :

On the basis of the success achieved and lessons learned in Phase-I, implementation of TEQIP Phase-II has been conceived. State's willingness to participate in Phase – II has already been communicated to the Govt. of India. Project goal, objectives, components, mode of selection, eligibility criteria etc. are in the process of finalization.

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4.18 Non-AICTE courses conducted by West Bengal University of Technology (WBUT) :

WBUT is the affiliating University for 66 AICTE approved engineering & technology institutes in this State. Apart from that WBUT also conducts some Non-AICTE courses at approximately 80 (eighty) institutes. All these are first degree professional courses. A table showing the discipline and intake under the Non-AICTE courses is given below :

Group	Discipline	Intake
A	BBA(H)	4295
	HM	1185
	BHSM	1010
	BIRM	500
	BMS	750
	BSCM	300
	BTTM	780
	BSM	120
	Group Total	8940
B	BCA	4158
	BNS	160
	Group Total	4318
C	B.OPTM	615
	B.Sc(H)	230
	Group Total	845
D	M.Sc.	40
	Group Total	40
E	MMA	26
	Group Total	26

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UNIVERSITIES

- 5.1 *General Information***
- 5.2 *Calcutta University***
- 5.3 *Jadavpur University***
- 5.4 *Rabindra Bharati University***
- 5.5 *Burdwan University***
- 5.6 *Kalyani University***
- 5.7 *North Bengal University***
- 5.8 *Vidyasagar University***
- 5.9 *West Bengal State University (Barasat)***
- 5.10 *Gour Banga University***
- 5.11 *Netaji Subhas Open University***
- 5.12 *West Bengal University of Technology***
- 5.13 *Bengal Engineering & Science University***
- 5.14 *U.G.C. Recommendations for the 10th Plan***

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UNIVERSITIES

5.1 GENERAL INFORMATION :

Two new State-aided universities e.g. West Bengal State University, Barasat and Gour Banga University, Malda established in 2008 have started functioning. For West Bengal State University, Barasat, 161, posts of teachers (including 32 Professors) and 43 non-teaching posts (including 08 Officers) have been created. Similarly, for Gour Banga University, Malda 106 teaching posts (including 18 Professors) and 49 non-teaching posts (including 10 Officers) have also been created during the year. Process for filling up these posts has already been initiated.

Thus total number of State aided Universities within the purview of the Department of Higher Education is now 12. First private University Act, e.g., Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT) Act, 2008 has been passed to set up a Centre of Excellence in Information and Communication Technology sector.

The State Govt. has already identified 355 acres of land for setting up of the campus of Aligarh Muslim University (AMU) in the district of Murshidabad. The site has to be vetted by AMU after joint inspection with Ministry of Human Resource Development, Govt. of India and State Govt. In addition, as a programme of the 11th Five Year Plan, the State Government has initiated the process of setting up one world class university for which 400 acres of land near Air Force Camp, Kanchrapara, 24 Pargans (North) has been earmarked. The State Government has taken up with the MHRD for finalization of the proposal after visit of a Central Team.

With a view to fulfilling the long standing demand of the people of Purulia and Bankura region, predominantly inhabited by Scheduled Caste and Scheduled Tribe, the State Government has initiated the process of setting up one university having campuses in both the districts of Purulia and Bankura. Setting up of the second campus of North Bengal University in the district of Jalpaiguri is also under consideration of the State Government.

5.1.1 NAME OF THE STATE AIDED UNIVERSITIES WITH THEIR TERRITORIAL JURISDICTION IN THE STATE OF WEST BENGAL.

UNIVERSITIES UNDER THE JURISDICTION OF THE DEPARTMENT OF HIGHER EDUCATION

Name of The University	Date of Establishment	Address	Territorial Jurisdiction
1. University of Calcutta	24 January, 1857	College Street, Senate House, Calcutta-700073; Phone : 2241-0071, 2241-4984 Fax : 2241-3222 Website : www.caluniv.ac.in Email : registrar@cuccernet.in	The whole of the West Bengal excluding the area of jurisdiction of other Universities established by law within West Bengal. The jurisdiction

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			of the Calcutta University extends to the districts of Howrah, North & South 24 Parganas (excluding Bijpur P.S of North 24-Parganas) and the Calcutta district, excluding some colleges (See the list of the colleges in the appendix) and Serampore subdivision of the district of Hooghly.
2. Jadavpur University	24 December, 1955	Jadavpur, Calcutta –700032; Phone : 2414-6666, 6194, 6643 Fax : (91)-033-2414-6414 Website : www.jadavpur.edu Email : registrar@jdvu.ac.in	A radius of two miles from the university office at Jadavpur.
3. University of Burdwan	15 June 1960	Rajbati, Burdwan, Dist. – Burdwan. Pin – 713104 Phone : +91-0342-2533913 Fax : +95-0342-253-0452 Website : www.burd.univ.ac.in Email : vcbu@satyam.net.in rgbu@city.com	Districts of Burdwan, Bankura, Birbhum, Purulia and Hooghly (excluding Serampore subdivision)
4. University of Kalyani	1 November, 1960	Kalyani, District-Nadia, Pin – 741235 Phone : (033) 2582-8690 Fax : (033) 2582-8282 Website : http://klyuniv.ac.in Email : alokbanerjee2002@yahoo.com	Districts of Nadia, Murshidabad and Bijpur Police Station of North 24 Parganas.
5. Rabindra Bharati University	8 May, 1962	56A, B.T. Road, Calcutta –700050 Phone : 2556-2543 Fax : 2556-8079 Website : www.rabindrabharatiuniversity.net Email : reg@cal3.vsnl.net.in.	All Institutions in the State teaching dance, drama, music and visual arts (except the Government College of Art & Craft).

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6. University of North Bengal	1 July, 1962	Raja Rammohanpur, P.O. – North Bengal University, Dist. Darjeeling, Pin- 734430. Phone : (0353)-2582-099 Fax : (0353) 2581212 Website : http://www.nbu.ac.in Email : regnbu@sanchar.net.in	District of Cooch Behar, Darjeeling, Jalpaiguri, Malda, North Dinajpur and South Dinajpur.
7. Vidyasagar University	29 September 1981	P.O. – Vidyasagar University, Dist – Midnapur, Pin- 721102. Phone:(953222)262-009,262-297 Fax : (953222)262329,557-1611 Website : www.vidyasagar.ac.in Email : HYPERLINK mail to : vidya@dte.vsnl.net.in	East and West Midnapur
8. Netaji Subhas Open University	20 August 1997	1, Woodburn Park, Kolkata-700 020 Ph. : 2287-0157 Fax : (033)-2287-1082 Website : www.wbnsou.com/org . Email : nsou@cal2.vsnl.net.in	The whole of West Bengal
9. West Bengal University of Technology	7 August 2000	BF-142, Salt Lake, Kolkata –700 064 Ph. : 2321-1327 Fax : 2321-7578 Website : www.wbut.net .	The whole of West Bengal
10. Bengal Engineering and Science University	1856 as a Govt. college; Deemed University Status in 1992; University status in 2004	P.O. – Botanic Garden, Shibpur, Howrah – 711 103 West Bengal Ph : 2668-0521 to 0532, 2668-4561/4562/4563/2668-1503 Fax : 2668-4564/2916 Website : www.becs.ac.in Email : vc@becs.ac.in	The whole of West Bengal

UNIVERSITIES

UNIVERSITIES UNDER THE JURISDICTION OF OTHER DEPARTMENTS OF THE STATE GOVT.			
1. Bidhan Chandra Krishi Viswavidyalaya	1 September, 1974	P.O. Krishi Viswavidyalaya, Mohanpur, Nadia, Pin-741252. Ph : (033) 2585-8163 Fax : (034730)-222275 E-mail : vcbckv@vsnl.net	The whole of West Bengal.
2. University of Animal and Fishery Sciences	2 January, 1995	37 & 68, Khudiram Bose Sarani, Belgachia, Kolkata – 700 037. Ph : 2556-3396, 2556-5021 Fax : 091-033-2557-1986	The whole of West Bengal.
3. W.B.National University of Juridical Sciences	22 April, 2000	NUJS Bhaban, 12 LB Block, Sector-III, Salt Lake, Eastern Bypass, Kolkata -700 091 Ph : 2335-0534/7379 Fax : 033-2335-7422 Website : www.nujs.edu Email : nujs@cal3.vsnl.net.in	The whole of West Bengal
4. Uttar Banga Krishi Viswavidyalaya	1 February, 2001	P.O.-Pundibari, Dist-Cooch Behar Ph : 03582-270141/249 Website : www.uttarbanga.net/ubkv.htm Email : mondal@redifmail.com	Malda, South Dinajpur, North Dinajpur, Darjeeling, Jalpaiguri, Cooch Behar
5. West Bengal University of Health Science	2 December, 2002	DD-36, Sector –1, Salt Lake, Kolkata-700 064 Ph : 2321-5388 Fax : 23215389 Website : www.wbhus.org/data Email : vc@wbuhs.org	The whole of West Bengal
6. Ramkrishna Mission Vivekananda Education and Research Institute (RKMVERI) (Deemed University under UGC Act)	2005	P.O. Belur Math, Dt. Howrah, Pin-711202 Telefax : 033-26549999 E-mail : rkmveri@gmail.com atmapriyananda@gmail.com	The whole of West Bengal
7. Aliah University	2007	21, Hazi Md. Mahasin Sq., Kolkata-700 016	

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5.1.2 FINANCIAL GRANTS RELEASED TO THE STATE-AIDED UNIVERSITIES, BENGAL ENGINEERING AND SCIENCE UNIVERSITY; W.B. STATE COUNCIL OF HIGHER EDUCATION; W.B. STATE UNIVERSITY, BARASAT; GOUR BANGA UNIVERSITY AND W.B.U.T. FROM HIGHER EDUCATION DEPARTMENT DURING 2008-2009.

(Rs in lakhs)

Sl. No.	Name of the Universities	Salary grants released (NON-PLAN)	Other grants released (NON-PLAN)	Grants released under other heads of account (NON PLAN)	Total grants released (NON-PLAN)	Salary grants released (PLAN HEAD)	Other grants released (PLAN HEAD)	Grant released for Construction (PLAN HEAD)	Grants released for Books, Journals (PLAN HEAD)	Total Grants released (STATE PLAN)
(1)	(2)	(3)	(4)	(5)	(6) [(3)+(4)+ (5)]	(7)	(8)	(9)	(10)	(11)
1.	Calcutta	11017.58	1620.60	52.79	12695.47	-	-	-	30.00	30.00
2.	Jadavpur	7965.51	1200.34	71.78	9237.63	-	-	156.19	-	156.19
3.	Kalyani	2580.13	702.24	38.66	3321.03	-	-	155.12	31.19	186.31
4.	Burdwan	3363.22	589.60	36.62	3989.44	-	-	55.00	33.00	85.00
5.	North Bengal	2952.69	555.00	26.21	3533.90	-	-	15.66	36.55	52.21
6.	Rabindra Bharati	1452.84	315.00	5.71	1773.55	-	-	-	-	-
7.	Vidyasagar	598.57	75.38	2.63	676.58	-	-	17.16	32.46	49.62
8.	W. B. State University, Barasat	83.33	-	-	83.33	-	-	1868.67	-	1868.65
9.	Gour Banga University	83.33	-	-	83.33	-	-	561.67	10.00	571.67
10.	Netaji Subhas Open University	66.15	-	-	66.15	-	29.70	100.00	-	129.70
11.	W. B. State Council of Higher Education	25.07	-	-	25.07	-	13.57	-	-	13.57
12.	B.E. & Sc. University	1477.06	83.64	80.65	1641.35	-	147.60	-	-	147.60
13.	W. B. U. T.	176.79	-	-	176.79	-	250.00	-	-	250.00
14.	I. S. D. L.	10.64	-	-	10.64	-	20.87	-	-	20.87
Total		31852.91	5141.80	319.55	37314.26	-	461.74	2929.45	170.00	3561.39

UNIVERSITIES

5.1.3 ACADEMIC STRUCTURE

Academic activities of the universities are carried out through various departments under different Faculty Councils. The Deans of these Councils advise on academic matters and co-ordinate the departmental programmes. For the planning and implementation of the academic programmes of the departments, there is a departmental committee in each of them. The Head of the Department is the Chairman of the said committee. The Board of Studies under each Faculty Council plans and reviews the syllabus and assists the examination process.

5.2 CALCUTTA UNIVERSITY (1857)

The Calcutta University along with the Bombay University and the Madras University was established in 1857. The university is now being governed by the Calcutta University Act, 1979 which came into force on February 10, 1983.

The Calcutta University affiliates colleges mostly at the under-graduate level and also offers courses directly at the post-graduate level. The number of colleges affiliated by the University is 204. The university has allowed a few of its affiliated colleges including the Presidency College, the Maulana Azad College and the Dinabandhu Andrews College to teach at the post-graduate level.

The Calcutta University has four campuses, namely,

- ASHUTOSH SHIKSHYA PRANGAN at 87/1, College Street,
- RASHBEHARI SHIKSHYA PRANGAN at Rajabazar,
- TARAKNATH SHIKSHYA PRANGAN at 35, Ballygunge Circular Road, and
- SAHID KHUDIRAM SHIKSHYA PRANGAN at Alipore.

It has 58 departments and offers 80 courses to nearly 12,000 post-graduate students.

The university monitors and awards Ph. D. degrees to research scholars. On an average, the Ph.D. degree is awarded to 175 students each year. According to a **NISSAT** report, in terms of output and impact, the university is among the first ten universities of the country in research on science and technology. The **UGC** has awarded **CAS/DSA/DRS/COSIST** programmes to more than fifteen departments of the university on the basis of research performance.

The four major campuses of the university have leased line access to the **VSNL** server. Through optical fibre network different departments and faculty members get access to E-mail and Internet facilities by router system. The central library is automated by using **SOUL** developed by **IFILIBNET**.

The university has created the B.C. Guha Center for Genetic Engineering and Biotechnology and the S.N. Pradhan Institute of Neuroscience with financial assistance from NRIs and eminent individuals.

The State Government and the Government of India have also extended financial assistance to the B.C. Guha Centre.

The National Assessment and Accreditation Council (NAAC) visited the university and awarded a five star status to it in May 2001. The University has also been declared by UGC as the “University with potential for excellence”.

5.2.1 VARIOUS DEPARTMENTS OF THE UNIVERSITY AS LOCATED IN DIFFERENT CAMPUSES ARE INDICATED BELOW :

- (a) ASHUTOSH SHIKSHYA PRANGAN, College Street, Ph. 2241-0071 (6 lines)
Teaching Departments :
Arabic & Persian, Bengali Language & Literature, Commerce, English, French, Hindi, Library & Information Science, Linguistics, Languages (Foreign), Pali, Urdu, Sanskrit, Journalism & Mass Communication.
- (b) RASHBEHARI SHIKSHYA PRANGAN, 92, A. P. C. Road, (Rajabazar) Ph. 2350-8386/6387
Teaching Departments :
Chemistry, Applied Mathematics, Applied Physics, Applied Psychology, Bio-Physics, Molecular Biology & Genetic, Centre for Atmospheric Science, Chemical Engineering, Chemical Technology, Chemistry, Computer Science & Engineering, Electronic Science, Physiology, Radio Physics & Electronics, Polymer Science & Technology, Psychology.
- (c) TARAKNATH SHIKSHYA PRANGAN, 35, Ballygunge Circular Road, Kolkata-19
Ph. 2475-3680-82/4681
Teaching Departments :
Agriculture, Anthropology, Bio-chemistry (Including Bio-Technology & Environmental Science), Botany, Geography, Geology, Marine Science, Pure Mathematics, Statistics, Zoology.
- (d) HAZRA ROAD CAMPUS, 51/1 and 51/2 Hazra Road, Kolkata-19, Ph. 2475-5801
Teaching Departments : Law.
- (e) SAHID KHUDIRAM SHIKSHYA PRANGAN, 1, Reformatory Street, Alipore, Kolkata-27
Ph. 2479-1645/2861
Teaching Departments :
Education, Philosophy, Political Science, Sociology, History, Islamic History & Culture, Ancient Indian History & Culture, Museology, Business Management, Archaeology.
- (f) B. T. ROAD CAMPUS, 56A B.T. Road, Calcutta-50, Ph. 2557-5082
Teaching Department : Economics.

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- (g) COLLEGE OF MEDICINE CAMPUS, 244, A.J.C. Bose Road, Cal-20 Ph. 2248-2041/2084
Teaching Department : S. N. Pradhan Centre for Neuroscience.
- (h) JUDGES COURT ROAD CAMPUS, Judges Court Road, Alipore, Ph. 2479-5594
Teaching Department : Department of Home Science.

5.2.2 FACULTIES & DEPARTMENTS

A list of FACULTY COUNCILS for Post Graduate Studies of the University together with the University Departments attached thereto are given below :

- (i) FACULTY COUNCIL FOR POST-GRADUATE STUDIES IN ARTS
Departments of Ancient Indian History & Culture, Arabic & Persian, Archaeology, Bengali Language and Literature, Economics, English Language and Literature, French, Hindi, History, Islamic History & Culture Language, Linguistics, Museology, Pali, Philosophy, Political Science, Sanskrit, Sociology and Tamil Studies, South and South East Asian Studies, Urdu.
- (ii) FACULTY COUNCIL FOR POST-GRADUATE STUDIES IN COMMERCE, SOCIAL WELFARE & BUSINESS MANAGEMENT
Departments of Business Management, Commerce.
- (iii) FACULTY COUNCIL FOR POST-GRADUATE STUDIES IN LAW
Department of Law.
- (iv) FACULTY COUNCIL FOR POST-GRADUATE STUDIES IN EDUCATION, JOURNALISM AND LIBRARY SCIENCE
Departments of Education, Journalism & Mass Communication, Library & Information Science.
- (v) FACULTY COUNCIL FOR POST-GRADUATE STUDIES IN FINE ARTS, MUSIC AND HOME SCIENCE
Departments of Home Science.
- (vi) FACULTY COUNCIL FOR POST-GRADUATE STUDIES IN ENGINEERING AND TECHNOLOGY
Departments of Applied Physics, Chemical Technology, Chemical Engineering, Computer Science and Engineering, Polymer Science and Technology, Radio Physics & Electronics.
- (vii) FACULTY COUNCIL FOR POST-GRADUATE STUDIES IN SCIENCE
Departments of Anthropology, Applied Mathematics, Applied Psychology, Atmospheric Science, S.N. Pradhan Centre for Neurosciences, Bio-Chemistry, Bio-Physics, Botany, Chemistry, Geography, Geology, Marine Science, Molecular Biology & Genetics, Physics, Physiology, Pure Mathematics, Statistics, Zoology, Electronic Science, Psychology.

- (viii) **FACULTY COUNCIL FOR POST-GRADUATE STUDIES IN AGRICULTURE SCIENCE**
Department of Agricultural Chemistry, Agronomy, Horticulture, Genetics and Plant Breeding,
Plant Physiology, Seed Science and Technology.

5.2.3 COUNCIL FOR UNDERGRADUATE STUDIES

- (i) Council for Under-Graduate Studies in Arts, Science, Commerce, Home Science, Fine Arts and Music.
- (ii) Council for Under-Graduate Studies in Medicine, Dental Science, Homoeopathy, Veterinary Science, Nursing and Ayurved.
- (iii) Council for Under-Graduate Studies in Engineering and Technology.

5.2.4 The following departments of the University have been recognised by the UGC as Centres of Advanced Study (CAS) in the Thrust Areas :

Departments of Botany, Chemistry, Radio Physics & Electronics.

5.2.5 The following departments of the University have been selected as Departments for Special Assistance (DSA) by the U. G. C. :

Departments of Bio-Physics, Physics, Applied Mathematics, Anthropology, Bio-Chemistry, History, Journalism and Mass Communication, Commerce.

5.2.6 The following departments of the University have been recognised by the UGC as DSA :

Departments of Statistics, Geology, Business Management, English.

5.2.7 Grants under the COSIST Scheme of the U. G. C. have been sanctioned in favour of the following Departments of the University :

Departments of Bio-Physics, Applied Mathematics.

In addition to the courses of various departments mentioned above, a number of courses are offered by other constituent Colleges/Institutions of this University as given below :

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5.2.8 Name of the courses taught by the University directly: (Starting from PG level courses or above and ending with Diploma and / or UG level courses; including Technical courses, if any.

Sl. No.	Department	Subject offered	Course with Intake Capacity	Selection Criteria In order of Merit
A. Faculty Council for P.G. Studies in Engineering and Technology				
1.	Chemical Engineering	Chemical Engineering	B. Tech. - 40 M. Tech. - 25 Ph. D. Post doctoral	"
2.	Chemical Technology	Ceramic Engineering Oil Technology Petrochemicals and Petroleum Refinery Engineering Pharmaceutical Technology Technology	B.Tech. - 40 M. Tech. - 40+20 Ph. D. Post doctoral	"
3.	Computer Science and Engineering	Computer Science and Engineering Computer and Information Sc.	B.Tech. - 40 M. Tech.- 30+5 M. Sc. - 30 Ph. D. Post doctoral	"
4.	Radio Physics & Electronics	Radio Physics & Electronics VLSI Design-Self financed Information Technology	B. Tech. - 42 M. Tech.- 40 M. Tech.- 15 B. Tech. - 20 Ph. D. Post doctoral	"
5.	Polymer Science and Technology	Polymer Science and Technology	B. Tech. - 30 M.Tech. - 12 Ph. D. Post doctoral	"
6.	Applied Physics	i) Electrical Engineering ii) Instrumentation Engineering	B.Tech. - 20 M.Tech. - 10+5 B.Tech. - 20	"

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		iii) Elec. Engg. (Elec. Power) - Self financed iv) Instrumentation & Control Engg. - Self financed	M.Tech. - 10+5 Ph. D. Post doctoral M.Tech. - 15 M. Tech. - 15	
7.	Applied Optics and Photonics	Optics and Optoelectronics	B. Tech. - 20 M. Tech. - 18 Ph. D. Post doctoral	”
B. Faculty Council for P.G. Studies in Science				
1.	Physiology (Sc.)	Physiology (Sc.)	M. Sc. - 39	”
2.	Anthropology	Anthropology	M. Sc. - 28 Ph. D. Post doctoral	”
3.	Atmospheric Science	Atmospheric Science	M. Sc. - 15 Ph. D. Post doctoral	
4.	Applied Math	Applied Math	M.Sc. - 44 M. Phil - 10 Ph. D Post doctoral	”
5.	Psychology	Psychology	M.Sc. - 42	”
6.	Pure Math.	Pure Math	M. Sc. - 70 (M. Phil) - 10	”
7.	Physics	Pure Physics	M.Sc. - 70	”
8.	Applied Psychology	Applied Psychology	M.Sc. - 36	”
9.	Statistics	Statistics	M.Sc. - 35	”
10.	Chemistry	Pure Chemistry	M.Sc. - 70	”
11.	Botany	Botany	M.Sc. - 50	”

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12.	Zoology	Zoology	M.Sc. - 71	”
13.	Marine Science	Marine Science	M.Sc. - 28	”
14.	Biochemistry (Sc.)	Biochemistry Bio-Technology Microbiology Environmental Sc.	M.Sc. - 60 M.Sc. - 6 M.Sc. - 15 M.Sc. - 15	”
15.	Geography	Geography	M.Sc. - 120	”
16.	Geology	Geology	M.Sc. - 28	”
17.	Bio-Physics Molecular Biology and Genetics	Bio-Physics Molecular Biology and Genetics Bio-Informatics Bio-Physics	M.Sc. - 14 M.Sc. - 06 M.Sc. - 06	”
18.	Electronic Science	Electronic Science	M.Sc. - 25	
C. Faculty Council for P.G. Studies in Agriculture				
1.	Agriculture	Plant Physiology (10) Genetics & Plant Breeding (10) Horticulture (10) Certificate (10) Agronomy (10) Seed Sc. & Technology (10) Agri. Chem. & Soil Sc. (10)	M.Sc. - 80 Ph. D. Post doctoral	” ” ” ” ” ” ”
D. Faculty Council for P.G. Studies in Arts				
1.	English Language & Literature	English Language & Literature	M.A - 231 M.Phil-20	”
2.	French	French	M.A - 15	”
3.	Economics	Economics	M.A - 220 M.Phil-15	”
4.	Ancient Indian History and Culture	Ancient Indian History and Culture	M.A - 120	”
5.	Hindi	Hindi	M.A - 99 M.Phil-15	”
6.	History	History	M.A - 158 M.Phil-20	”

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7.	Islamic History & Culture	Islamic History & Culture	M.A - 160	”
8.	Museology	Museology	M.A - 40	”
9.	Pali	Pali	M.A – 29 M.Phil-10	”
10.	Arabic & Persian	Arabic & Persian	M.A - 58+58	”
11.	Archaeology	Archaeology	M.A - 24	”
12.	Bengali Language & Literature	Bengali Language & Literature	M.A- 363 M.Phil-20	”
13.	Linguistics	Linguistics	M.A - 84	”
14.	Philosophy	Philosophy	M.A- 221 M.Phil-20	”
15.	Political Science	Political Science	M.A- 220 M.Phil-20	”
16.	Sanskrit	Sanskrit	Pre PG - 28 M.A-150 M.Phil-40	”
17.	Language	Russian - German, Chinese, French, Hindi, Bengali, Arabic, Persian, Pali, Urdu	Certificate - 20 Diploma - 20	”
18.	Sociology	Sociology	M.A - 55	”
19.	Tamil Studies	Tamil Studies	M.A - 11	”
20.	Urdu	Urdu	M.A - 75	”
21.	South & South East Asian Studies	South & South East Asian Studies	M.A- 100 M.Phil-30	”
E. Faculty Council for P.G. Studies in Commerce and Business Management				
1.	Commerce	Commerce	M.Com -D-395 E-395 M. Phil - 15	”
2.	Business Management	Business Management	M.B.M. - 33	”

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F. Faculty Council for P.G. Studies in Education, Journalism and Library Science				
1.	Journalism	Journalism Mass Communication and	M.A. 50+25 1 yr. P.G. Diploma	”
2.	Media Studies : Film & Television	Media Studies : Film & Television	Certificate-80	”
2.	Library & Inf. Sc.	Library & Inf. Sc.	B. Lis - 110 M. Lis - 22	”
3.	Human Rights	Human Rights	M.A - 20	”
4.	Education	Education	M.A.-125 B.Ed -130 M.Ed.-30 M.Phil -10	”
G. Faculty Council for P.G. Studies in Law				
1.	Law	Law	L.L.B – 200 L.L.B (Hons) - 50 L.L.M - 36	”
H. Faculty Council of Fine Arts, Music and Home Science				
1.	Home Science	Food & Nutrition Human Development Home Science	B.Sc. (Hons)-45 M.Sc. - 65 B.Sc./M.Sc. - 45 B.A/B.Sc.-120 Diploma -60	”
2.	Vocational Nutrition Vocational Communicative English	Vocational Nutrition Vocational Communicative English	UG-30 UG-30	”
Others :				
1.	S.N.Pradhan Centre for Neuroscience	Neuroscience (Research Work)		

5.2.9 TYPES OF COLLEGES / INSTITUTIONS

1. General Degree Colleges (B.A./ B.Sc. / B. Com.) – 128
2. B. Ed. Colleges / Departments / Physical Education Colleges – 29
3. Art College – 1
4. Music College – 1
5. Law Colleges – 6
6. Medical / Homeo / Ayurvedic Colleges etc. – 24 (Recently transferred to W. B. University of Health Sciences)
7. Horticulture Institute / Management Institute – 1
8. Special Institute – 1

5.2.10 HIGHLIGHTS OF THE ACTIVITIES OF THE UNIVERSITY DURING 2008-2009

- In Calcutta University, two separate departments i.e., Genetics and Biotechnology have been set up. A centre for studies in social exclusion and inclusion has also been established with UGC support. The Department of Radio Physics has been identified by UGC as network resource centre for physical sciences. A centre for research and training in microwave and millimeter wave has been created in the department of radio physics and electronics.
- Rabindranath Tagore Centre for human development studies has also been established. A number of new courses have been introduced in the university which includes post graduate courses like M.S. in Biomedical Instrumentation.

5.3 JADAVPUR UNIVERSITY (1955)

In the year of 1905-06, the attempt of the British rulers to partition Bengal led to a countrywide agitation. The intense nationalist movement found cultural expression in one form of reaction against the prevalent system of education. The National Council of Education, Bengal, was started in 1906 'To impart and promote the imparting of Education – Literary and Scientific, as well as Technical and professional – on national lines and exclusively under national control, not in opposition to, but standing apart, from existing system of Primary, Secondary and Collegiate Education.

The foundation of the National Council of Education, Bengal, was made possible by three generous donors: Raja Subodh Chandra Mallik, Brojendra Kishore Roy Chowdhury of Gouripur and Maharaja Surya Kanta Acharyya Choudhury Bahadur of Mymensingh. The first President of NCE, Bengal was Sir Rash Behari Ghose. Thereafter Rabindranath Tagore, Sri Aurobindo, Dr. Bidhan Chandra Roy, Prafulla Chandra Ray and other eminent leaders were associated with it.

Under the leadership of Sir Rash Behari Ghose, a society named 'Society for Promotion of Technical Education in Bengal' in parallel to NCE, Bengal, was founded with the objective of imparting scientific and technical education for industrial progress. The Bengal Technical Institution (later known as the College of Engineering and Technology, Bengal) was started in the wake of such efforts. In 1910 the Society for Promotion of Technical Education in Bengal was amalgamated with NCE, Bengal.

At the time of Independence the College of Engineering and Technology, Bengal was virtually functioning as a University. Under the statutory recognition of the Govt. of West Bengal, on 24 December 1955 the institution was accorded the status of a University and its name was altered to 'Jadavpur University'.

UNIVERSITIES

5.3.1 FACULTIES & DEPARTMENTS

UNDER-GRADUATE COURSES :

A. Faculty of Science :

B.Sc. Hons. (Day Course) – 3 years (6 Semester)
Chemistry, Geological Science, Mathematics & Physics.

B. Faculty of Arts :

B.A. Hons. (Day Course) – 3 years (6 semester)
Bengali, Comparative Literature, Economics, English, History, Library & Information Science, Philosophy, Physical Education. Political Science, Sanskrit.

B.A. Hons. (Day Course) – 1 Year examination system Library & Information Science.

C. Faculty of Engineering & Technology :

B.E. (Day Course) – 4 years (8 semester)
Chemical Engg., Civil Engg., Computer Sc. & Engg., Construction Engg.,
Electrical Engg., Electronics & Telecommunication Engg., Information Technology,
Instrumentation & Electronics Engg., Mechanical Engg., Metallurgical & Material Engg.,
Pharmaceutical Tech., Power Engg., Printing Engg., Production Engg.

B.Tech. (Post B.Sc.) (Day Course) – 3 years (6 Semester.)

- i. Food Tech. & Bio-Chem Engg.,
- ii. Instrumentation & Electronics Engg.

Architecture Engg. B. E. (Day Course) – 5 years (10 Semester.)
B. E. (Eve. Courses) – 5 Years (10 Semester)

Civil Engg., Electrical Engg. & Mechanical Engg.

POST-GRADUATE COURSES :

A. Faculty of Science :

M.Sc. (Day Course) – 2 years (4 Semester)
Chemistry, Applied Geology, Mathematics, Electronics Science & Physics.

M. Tech. in Bio-Technology – 1½ years (3 Semester)

M.Phil. in Environmental Science – 2 years

M.Sc. (Eve. Course) – 3 years (6 Semester)

Chemistry , Mathematics & Physics.

B. Faculty of Arts :

M.A. (Day Course) – 2 years (4 Semester)

Bengali, Comparative Literature, Economics, English, History, International Relation, Library & Information Science, Philosophy, Physical Education, & Sanskrit.

M.A. (Eve. Course) .- 3 years (6 Semester)

Bengali, Economics, English, History, Philosophy

M.Phil. in Arts – 2 years

Bengali, Comparative Literature, Economics, English, History, International Relation, Philosophy, Sanskrit, Sociology & Women Studies.

C. Faculty of Engineering & Technology :

M.E. /M.Tech./ M.Pharm. (Day Courses) – 2 years (4 Semester)

Architecture Engg., Chemical Engg., Civil Engg., Computer Sc. & Engg., Electrical Engg., Electronics & Telecommunication Engg., Food Tech. & Bio-Chemical Engg., Software Engg., Instrumentation & Electronics Engg., Mechanical Engg., Metallurgical & Material Engg., Pharmaceutical Tech., Production Engg., Master of Bio-Medical Engg., Master of Control Engg., Master of Water Resource Engg., M.Tech. in Energy Science, M.Tech. in Material Sc., Master of Multimedia Development.

Master in Computer Application (MCA) – 3 years (6 Semester)

M.Tech. in Computer Technology (Eve.) – 3 years (6 Semester)

B. Ed (Special Education) course in Locomotor & Neuromuscular Disorders & Mental Retardation and P.G. Diploma in Bioinformatics.

D. Following Language courses are also conducted by the University –

French, German, Italian, Spanish, Bengali, Japanese, Hindi, Sanskrit, Portugese, Russian, Tamil.

E. New Courses :

Faculty Council of Arts –

2 years Post Graduate Diploma Course in Digital Library Management (Evening)

2 years Post Graduate Diploma Course in Yoga Therapy.

Faculty Council of Science –

Dept of Instrumentation Science –

- 1 yr. P.G. Diploma in Instrumental Techniques in Chemical.
- 25 weeks Certificate course on Training of Lab. Asst.

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Faculty Council of Engineering & Technology –

M.E. (Automobile Engineering) - {two years full time} - Dept. of Mechanical Engineering.

Master of Illumination Engineering.- {two years full time}- Dept. of Electrical Engineering.

Master of Power Engineering {two years full time} - Dept. of Power Engineering.

Master of Clinical Pharmacy & Pharmacy Practice - {two years full time} - Dept. of Pharmaceutical Tech.

Master of Nanoscience & Technology - 2 years Day Time

Master of VLSI Design & Micro- Electronics Technology. (Eve. Course) – 3 Years

M.Tech. in Distributed and Mobile Computing (Eve. Course) – 3 Years

Multi-modal Digital Distance Education –

- M.Tech IT Courseware Engg. - 2 years
- P.G. Diploma in Multi-Media & Web Technology.

5.3.2 Name of the courses taught by the University directly : (Starting from PG level courses or above and ending with Diploma and/or UG level courses; including Technical courses, if any.

Department	Subject offered	Course with Intake Capacity	Selection Criteria In order of Merit
A. Faculty Council for P. G. Studies in Science			
Physiology (Sc.)	Physiology (Sc.)	M.Sc. - 39	"
Anthropology	Anthropology	M.Sc. - 28	"
Applied Math	Applied Math	M.Sc. - 44	"
Psychology	Psychology	M. Sc. - 34	"
Mathematics	Mathematics	B.Sc.-75 M.Sc.(Day) – 60 M.Sc.(Eve) – 60	"
Physics	Physics	B.Sc.-55 M.Sc.(Elec.Sc.)-12 M.Sc.(Day) – 35 M.Sc.(Eve) – 35	"

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	Applied Psychology	Applied Psychology	M.Sc. - 34	”
	Statistics	Statistics	M.Sc. - 30	”
	Chemistry	Pure Chemistry	B.Sc.-50x3 M.Sc.(Day) – 35x2 M.Sc.(Eve) – 35x2	”
	Botany	Botany	M.Sc. - 50	”
	Zoology	Zoology	M.Sc. - 71	”
	Marine Science	Marine Science	M.Sc. - 18	”
	Life Science & Bio-Technology	Life Science & Bio-Technology	M.Sc. - 20	”
	Biochemistry (Sc.)	Biochemistry	M.Sc. - 62	”
		Bio-Technology	M.Sc. - 06	”
		Electronic Science	M.Sc.- 25	”
		Microbiology	M.Sc.	”
		Environmental Sc.	M.Sc.	”
	Geography	Geography	M.Sc. - 115	”
	Geology	Geology	B.Sc.-35 M.Sc. – 27 Ph.D-21	”
	Bio-Physics Molecular Bio-Physics Genetics	Biology and Molecular Biology and Genetics Bio-Informatics	M.Sc. - 12 (P.G.Diploma 1 yr.)	”
B. Faculty Council for P.G. Studies in Agriculture				
	Agriculture	Plant Physiology	M.Sc. - 65	”
		Genetics & Plant Breeding		”
		Horticulture		”
		Agronomy		”
		Seed Sc. & Technology		”
		Agri. Chem. & Soil Sc.		”

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C. Faculty Council for P.G. Studies in Arts				
	English	English	B.A.-160, M.A - 130 M.Phil-15, Ph.D	"
	Bengali		B.A. - 150 M.A. (Day) - 65 M.A. (Eve.) - 50 M. Phil - 15, Ph.D	
	Comparative Literature	Comparative Literature	B.A.- 50 M.A. - 65 M.Phil - 15, Ph.D	
	Economics	Economics	B.A.- 58 M.A(Day) - 55 M.Phil-15, Ph.D	"
	History	History	B.A-50 M.A. (Day) - 65 M.A. (Eve.)- 50 M.Phil-15, Ph.D	"
	School of Womens Studies	School of Womens Studies	M.Phil -15	"
	Philosophy	Philosophy	B.A- 55 M.A - 65 M.Phil-15, Ph.D	"
	Sanskrit	Sanskrit	B.A. - 50 M.A. (Day) - 65 M.A. (Eve.) - 50 M.Phil-15, Ph.D	"
	Sociology	Sociology	M.A (Day)- 30 M.Phil-15, Ph.D	"
	Film Studies	Film Studies	PG I-35, PG II-35	"
	International Relations		B.A-165, M.A-140 M.Phil-15, Ph.D	"
	Urdu	Urdu	M.A - 75	"
D. Faculty Council for P.G. Studies in Commerce and Business Management				
	Commerce	Commerce	M.Com -D-350 E-440	"

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	Business Management	Business Management	M.B.M - 33	”
E. Faculty Council for P.G. Studies in Journalism, Library Science and Education				
	Journalism	Journalism Mass Communication and	M.A - 60 1 yr. P.G. Diploma	”
	Library & Inf. Sc.	Library & Inf. Sc.	B. Lib - 55 M. Lib – 15 P.G.D.D.L.M.(Eve.)-20	”
	Education	Education	M.A. -125 B.Ed - 185	”
F. Faculty Council for P.G. Studies in Law				
	Law	Law	L.L.B - 320 L.L.M - 15	”
Others :				
	S. N. Pradhan Neuro Science	Neuro Science (Research Work)		

5.3.3 INTERDISCIPLINARY SCHOOLS

- School of Study in Environmental Radiation & Archaeological Science
- School of Bioscience & Engineering
- School of Education Technology
- School of Energy Studies
- School of Environmental Studies
- School of Illumination Science, Engg. & Design
- School of Advanced Studies on Industrial Pollution Control Engg.
- School of International Relations and Strategic Studies
- School of Material Science & Technology
- School of Media, Communication & Culture
- School of Mobile Computing and Communication
- School of Oceanographic Studies
- School of Water Resource Engg.
- School of Women’s Studies

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- School of Laser Sc. & Engg.
- School of Natural Product Studies
- School of Cultural Texts & Records
- School of Linguistic & Language Technology

5.3.4 CENTRES FOR STUDIES

- Ambedkar Studies
- Centre for Sri Aurobindo Studies
- Cognitive Science
- Computer Aided Design
- Condensed Matter Physics Research
- Counselling Service & Studies in Self Development
- Distributed Computing
- European Studies
- Human Settlement Planning
- IC Design and Fabrication
- Indology
- Knowledge Based System
- Marxian Studies
- Mathematical Biology & Ecology
- Micro-Processor Application
- Nuclear and Particle Physics Research
- Plasma Studies
- Quality Management System
- Refugee Studies
- Relativity and Cosmology
- Sir C. V. Raman Centre for Physics and Music
- Surface Studies
- Welding Technology
- Thermal Power & Process Management
- Yoga

- V. Ravi Chandran Centre for Pharmaceutical Science (Pharmaceutical)
- Quality Construction
- African Culture
- Language Studies

5.3.5 AFFILIATED INSTITUTIONS

- Name of the College / Institution affiliated to the University

Sl.No.	Name of the College / Institution
1.	Smt. J. D. Birla Institute
2.	Jadavpur Vidyapith College of Education
3.	Institute of Business Management
4.	Marine Engineering and Research Institute**

** Only course is affiliated

5.3.6 HIGHLIGHTS OF THE ACTIVITIES DURING 2008-2009

- Two new departments, i.e., the Department of Education and the Department of Geography, have been created this year. Two new centres, namely Centre for Experiments in Social and Behavioral Sciences and the Centre for Theatre-Studies have also been created. In addition a new School, namely, School of Nuclear Studies and Application has also been established.
- Different funding agencies like UGC, AICTE, CSIR, DOE, DST, DRDO, DAE, ICMR, DBT and others have released fund to the tune of Rs.1527.62 lakhs (approx) primarily for research purposes.
- UGC has released this year a sum of Rs.180 lakh to six departments of the University towards Special Grant for Infrastructure Development.
- The University launched its own Community Radio Station 'Radio JU' (90.8 MHz) in April, 2008. The School of Media, Communication and Culture, in association with TEQIP programme of the University, is running the Radio Station.

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5.4 RABINDRA BHARATI UNIVERSITY (1962)

The Rabindra Bharati University was founded on May 8, 1962 under the Rabindra Bharati Act to mark the birth centenary of poet Rabindranath Tagore. Its main objective is “to encourage in conformity with the ideas and thoughts of Rabindranath Tagore, the integration of cultural heritage of the nation consistent with its linguistic and socio-economic history and to enable it to function more efficiently as a university encouraging and providing for instruction, teaching, training and research...”. The Maharshi Bhaban and Bichitra located at Jorasanko Complex of the university houses (i) a biographical museum on Tagore and aspects of the Bengal Renaissance; (ii) three Art galleries—the first one exhibiting Tagore’s paintings (original), the second the portraits and personal effects of the family and the third the paintings of the Bengal School painters, notably Abanindranath Tagore, Nandalal Bose, Jamini Roy, Ramkinkar Baij etc.

5.4.1 FACULTIES & DEPARTMENT

A. FACULTY OF ARTS (B. T. Road Campus or Emerald Bower)

(i) Course – B. A. (Hons.) (3 – year)

Subject : 1. Bengali, 2. Economics, 3. English, 4. History, 5. Philosophy, 6. Sanskrit, 7. Political Science.

(ii) Course – M. A. (2 – year)

Subject : 1. Bengali, 2. Economics, 3. English, 4. History, 5. Philosophy, 6. Sanskrit, 7. Political Science, 8. Education.

(iii) Course – B.Ed. (1 year)

Subject : Education

(iv) Course - B.LISc. (1 year.)

Subject : Library & Inf. Sc.

(v) Course - Diploma in Tagore Literature (1 year)

Subject : Bengali

(vi) Course – M. Phil. (2 – year)

Subject : 1. Bengali, 2. English, 3. Philosophy, 4. Sanskrit.

B. FACULTY OF FINE ARTS (Jorasanko Campus)

(i) Course – B. A. (Hons.) (3 – year)

Subject : 1. Dance, 2. Drama, 3. Instrumental Music, 4. Percussion, 5. Rabindra Sangeet, 6. Vocal Music

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(ii) Course – B. A. (Spl. Hons.) (2 – year)

Subject : 1. Dance, 2. Drama, 3. Instrumental Music, 4. Percussion, 5. Rabindra Sangeet, 6. Vocal Music

(iii) Course – Senior Diploma (3 year)

Subject : 1. Dance, 2. Drama, 3. Instrumental Music, 4. Percussion, 5. Rabindra Sangeet, 6. Vocal Music

(iv) Course – Junior Diploma (2 year)

Subject : 1. Dance, 2. Drama, 3. Instrumental Music, 4. Percussion, 5. Rabindra Sangeet, 6. Vocal Music

(v) Course – M. A. (2 – year)

Subject : 1. Dance, 2. Drama, 3. Instrumental Music, 4. Percussion, 5. Rabindra Sangeet, 6. Vocal Music, 7. Musicology, 8. Mass Communication & Videography

C. FACULTY OF VISUAL ARTS (Jorasanko Campus)

(i) Course - Bachelor of Visual Arts (BVA) – (4 - Year)

Subjects : 1. Applied Art, 2. Graphics (Print Making), 3. Sculpture, 4. History of Art, 5. Painting

(ii) Course - Master In Visual Arts (MVA) - (2 - Year)

Subjects : 1. Applied Arts, 2. Graphics (Print Making), 3. Sculpture, 4. History of Art, 5. Painting

D. Other Courses :

i) Ph. D. in all subjects of Arts, Fine Arts & Visual Arts Faculties.

ii) D. Litt.

5.4.2 Other Sponsored Centres for Study and Research

1. Centre for Tagore Studies.
2. School of Vedic Studies (Zonal Advance Centre).
3. Centre for Gandhian Studies.
4. Centre for Dr. Radhakrishnan Studies.
5. Centre for Mass Communication and Videography.

Originally these centres were sponsored by the U.G.C. but at present the liability is borne by the State Govt.

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5.4.3 Other Establishments at Jorasanko Campus

- A. The West Bengal State Academy of Dance, Drama, Music and Visual Arts
- B. Biographical Museum on Poet Tagore and Bengal Renaissance.
- C. Art Gallery : (i) Tagore's Paintings, (ii) Family Portraits, (iii) Bengal School of Paintings.

The Centre for Adult, Continuing Education and Extension, Community Services, National Service Scheme, Rabindra Bharati Sanskrit Prachar Prakalpa — 2 centres.

5.4.4 No. of Affiliated Institutions

Art College - 1(Indian College of Art and Draughtmanship)

Course - B.V.A. (Hons.)

5.4.5 D.Litt./ Ph.D. Programme

- i) Ph.D. Programme : Bengali, English, History, Philosophy, Political Science, Economics, Sanskrit, Painting, Dance, Vocal Music, Drama, Instrumental Music, Rabindra Sangeet, History of Art, and Visual Art.
- ii) M. Phil Programme : (2 Year) - Bengali, English, Philosophy, Sanskrit.

5.4.6 Name of the Courses taught by the University: (Start from PG level courses or above and end with Diploma and/or UG level courses. Also include Technical courses, if any. These are the courses that are being conducted by the University itself.)

Sl. No.	Departments	Subject offered	Course with Intake Capacity	Selection Criteria In order of Merit
1.	Bengali	Bengali	M.A.- 280 M.Phil-20 B.A(Hons.) - 105	"
2.	English	English	M.A.- 280 M.Phil-15 B.A(Hons.) - 105	"
3.	Sanskrit	Sanskrit	M.A.- 280 M.Phil-20 B.A(Hons.) - 105	"
4.	Political Science	Political Science	M.A.- 280 M.Phil-15 B.A(Hons.) - 105	"

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5.	History	History	M.A.- 280 M.Phil-15 B.A(Hons.) - 105	"
6.	Philosophy	Philosophy	M.A.- 280 M.Phil-15 B.A(Hons.) - 105	"
7.	Economics	Economics	M.A.- 280 M.Phil-15 B.A(Hons.) - 105	"
8.	Mathematics	Mathematics	M.A.- 55	"
9.	Education	Education	M.A.- 25	"
10.	Rabindra Sangeet	Rabindra Sangeet	M.A.- 150 B.A(Hons.)- 105 B.A(Spl.Hons.)-20	"
11.	Vocal Music	Vocal Music	M.A.- 150 B.A(Hons.)- 105 B.A(Spl.Hons.)-20	"
12.	Dance	Dance	M.A.- 80n B.A(Hons.)- 45 B.A(Spl.Hons.)-15	"
13.	Drama	Drama	M.A.- 80 B.A(Hons.)- 45 B.A(Spl.Hons.)-20	"
14.	Ins. Music	Ins. Music	M.A.- 35 B.A(Hons.)- 20 B.A(Spl.Hons.)-05	"
15.	Percussion	Percussion	M.A.- 55 B.A(Hons.)- 30 B.A(Spl.Hons.)-10	"
16.	Musicology	Musicology	M.A.- 70	"
17.	Mass Com. & Videography	Mass Com. & Videography	M.A.-45	"
18.	Painting	Painting	M.V.A-12 B.V.A(Hons.)-12	"
19.	Applied Art	Applied Art	M.V.A-09 B.V.A(Hons.)-09	"
20.	Graphics	Graphics	M.V.A-07 B.V.A(Hons.)-07	"
21.	Sculpture	Sculpture	M.V.A-07 B.V.A(Hons.)-07	"
22.	History of Art	History of Art	M.V.A-05 B.V.A(Hons.)-05	"

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23.	Museology	Museology	M.V.A-30	”
24.	Education	Education	M.Ed.-60 M.Phil-10	
25.	Human Development	Human Development	M.Phil-15	
26.	Library & Information Science	BLISc.	PG-40	
27.	Tagore Literature	Diploma	PG-40	
28.	Adult Education	Diploma	PG-40	
29.	Social Work	Diploma	PG-40	
30.	Multimedia Acting	Diploma	PG-40	
Total :			2775(PG),1125(UG)& 500 (Other courses)	

5.5 UNIVERSITY OF BURDWAN (1960)

The University of Burdwan is one of the premier institutes of higher learning in eastern region of India and rendering services to cater the needs of the students. It was established under West Bengal Act XXIX of 1959 on 15th June, 1960 as a teaching and affiliating University with six P.G. Departments & Thirty undergraduate colleges spread over five districts of Burdwan, Hooghly (except Srirampur sub-division), Birbhum, Bankura and Purulia. Continuous efforts are being taken to incorporate the latest developments in different disciplines in the present global scenario.

The academic complex is located at a picturesque and sprawling & beautiful campus called Golapbag (The Garden of Roses) - about a mile distance from the Administrative complex of. Rajbati, Uttar Phatak, Burdwan. This complexes are within 100 kilometres from Kolkata and are well connected by Railways (Burdwan Junction) and Durgapur Express Highway. Metro Complex is at 8, Indra Roy Road, near Bhawanipur, Kolkata.

5.5.1 FACULTIES & DEPARTMENTS

POST GRADUATE COURSES

M.A. in : (i) Political Science (ii) Bengali (iii) English (iv) Philosophy (v) History (vi) Commerce (vii) Sanskrit (viii) MBA (ix) Sociology (x) Economics (xi) Language Course (xii) Mass Communication (xiii) MTA (xiv) Hindi (xv) M.B.A(Tourism) (xvi) M.B.A(Human Resource)

M.Sc. in : (i) Physics (ii) Chemistry (iii) Mathematics (iv) Zoology (v) Botany (vi) Geography (vii) Statistics (viii) Environmental Science (ix) Biotechnology (x) Micro Biology(xi) Geology(xii) Physiology

An additional shift in MA/MSc in English, Bengali, History, Physics, Chemistry, Mathematics & Zoology from the Session 2008-2010.

Other courses : LLM, MLIS, Computer Science in BCA, MCA, Electronics & Instrumentation, Electronics & Telecommunication, Information Technology

5.5.2 Other Campus Studies :

The University Institute of Technology (UIT) - Offering B.E.Degree in Information Technology, Computer Science & Engineering, Electronics & Communication Engineering, Electronics & Communication engineering and Applied Electronics & Instrumentation Engineering, Civil Engineering & Electrical Engineering.

Bachelor of Library & Information Science (BLIS) - One-year Bachelor's course.

Bachelor Course in Law (LL.B.) - Three-year Bachelor (full-time) day course in Law

Course in Science Education [B.Ed.(Sc) & ISE] - One-year training course in Science Education (equivalent to Bachelor of Education Degree) Teachers of Secondary and Higher Secondary schools are the main beneficiaries of this training course.

Post-Masters Courses :

- M. Phil. Degree (One-year Course) to is offered in eight Arts and Social Science subjects; viz. English, Bengali, Hindi, Sanskrit, Philosophy, History, Economics, Political Science, and Commerce Library & Information Science.
- M. Phil. Degree (One-year Course) in Zoology, Botany, Geography & Mathematics.
- M. Tech. in Electronics & Communication Engineering (Microwaves) (Two-year Course).

5.5.3 Distance Mode of Education :

The University is also a pioneer institute in West Bengal to offer Post-graduate courses through Distance Mode of Education since 1994 and keeping in view of the social needs, advancement of information and communication technologies in the present millennium, it is offering **Masters degree**

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in Bengali, English, History, Commerce, Sanskrit, Political Science, Philosophy in one side, professional courses like MA/MSc in Remote Sensing & GIS, MBA (Insurance & Risk Management), B.Sc in Bio-informatics/ Environmental Science, BA. in Interior Design/ Fashion & Apparel Design on the other side in collaboration with WILL Academy. M.Sc in Computer Technology in collaboration with CMC Limited at Kolkata is also offered.

Management courses are also running in collaboration with the Institute of Management Technology at Gaziabad (U.P.) & Nagpur (Maharashtra).

Diploma & Certificate Courses :

Foreign Languages (French, Russian and German), Population Education, Blood Doner Motivation, Mother-Childcare & Family Welfare, Yoga Therapy, Special Education (Mental Retardation), Medical Laboratory Technology and Art & Design are also offered.

Vocational Courses :

◆ At Benoy Krishna Choudhury Rural Technology Centre of University of Burdwan :

The following Production-cum-Training programmes are conducted under the Centre - Ducktery Management; Vermiculture; Mushroom Production and Training; Pisciculture; Sericulture; Soil & Water Testing; Computer Training; Short-term-training on maintenance and repair of Electric and Electronics apparatus; DTP in Bengali; Hybrid Seed Production; Cultivation and Distillation of Aromatic Plants; Non-conventional Energy - application of Solar energy, Artificial Breeding & Animal Husbandry and a course on computer programming. Most of the courses are funded by UGC and State Government.

◆ At Meghnad Saha Planetarium & Space Science Research Centre, Burdwan

It provide immense help to the students and the surrounding willing people to know about the Space Science.

◆ At Adult Continuing Education & Extension, Burdwan

One-year PG-Diploma Course in Population Education

Certificate course in Blood Doner Motivation

One year Certificate course in Mother-Child care & Family Welfare at Community Medicine of Burdwan Medical College

Two year PG Diploma course in Yoga Therapy

◆ At Ananda Niketan, Katwa : PG Diploma in Special Education (Mental Retardation)

◆ At College of Art & Design : Diploma and Certificate course in Art & Design

Preparatory Course in Civil Service Examination

The University is also providing guidance to the masses to prepare for the Civil Service Examination conducted by the State Government and efforts are being taken for rendering coaching for Indian Forest Service.

Education Extension Programme :

The Academic Staff College has been helping college and university teachers in their academic and professional developments.

The National Service Scheme has undertaken several projects for upliftment of the surrounding areas by on-campus and off-campus projects viz., Aids Awareness programme; Pulse Polio etc.

Research Activities : Scholars get financial support from various sponsored agencies like UGC, DRDO, ICMR, MOEF, CSIR, ICSSR & DST (under FIST Programme). Spectacular achievement in this arena are very much praise-worthy.

5.5.4 Other Facilities offered :

Hostel Facility : The University has adequate hostel facilities for deserving students & Research scholars. There are 5 boys hostel, 5 girls hostel with a capacity of 900 & 600 students respectively and 2 Research scholars hostel (one each for Boys and Girls).

Medical Facility : A well-equipped Health Centre offers outdoor medical services to the Students, Research Scholars and members of the University Teaching and Non-teaching communities including their families, Hostel Workers and their families. Besides extending daily usual Medical Treatment in General Medicine the Centre has special units (opened twice in a week in one shift) in Cardiology, Gynaecology, Homoeopathic, Dentist & Ophthalmology. The medicines are also supplied to the patients for their treatment. X-ray, ECG, USG & Pathological investigation facilities are also provided.

Computer Centre Facility : University Computer Centre provides networking facility and Internet facilities through advanced V-SAT Technology. The Nodal centre of the University services to offer special knowledge of Computer Application for the students of the P. G. Departments of Physics, Chemistry, Commerce and Economics etc.

The INFLIBNET centre in the Central Library helps all in connection with advanced studies.

The facility for Scanning Electron Microcopy (SEM) serves the need of users not only from campus but also from neighbouring universities and research institution.

Besides this University is involved in social outreach through liaison with Krishnasayer Eco Garden, Space Science Centre and Meghnad Saha Planetarium.

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Professional Courses in the Affiliated Colleges

BBA (Bachelor of Business Administration)	B.Sc in Microbiology (Hons)
BCA (Bachelor of Computer Applications)	B.Sc in Bio-technology (Hons)
BPT (Bachelor of Physiotherapy)	B.Sc in Computer Science (Hons)
B.Sc in Environmental Sc (Hons)	B.Sc in Bio-Chemistry (Hons)

New Courses introduced in the Affiliated Colleges

B.Sc in Microbiology (Hons)	Nutrition (Hons.)	3 yrs. LL.B. & 5 –yrs LL.B.(Hons)
B.Sc in Environmental Science (Hons)	B.Sc in Computer Science(Hons)	Education (Hons)
Santali (Hons)		

PG Diploma in Health Management has been introduced at Health Vision and Research (HVR), Kolkata as a joint venture with the University (ACE&E Department).

Career Oriented Programmes introduced in the Affiliated Colleges

Communicative English/Functional English	Video Editing	Indigenous Handicraft skills
Computer applications	e-commerce	Insurance & Risk Management
Entrepreneurship Development	Secretarial Practice	Refrigeration Maintenance & repairing
Environmental auditing	Rural Development	Mathematical Modelling
Tourism & Travel Management	Community Development	Pathological testing
Journalism Clinical	Waste Management & Pollution Control	

Vocational Courses introduced in the Affiliated Colleges

Industrial Fish & Fisheries	Communicative English	Computer Applications
Tax Procedure & Practices Advertising	Rural Handicrafts	Office Management & Secretarial Practice
Sales Practice and Sales Management	Sericulture	Environment & Water Management

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5.5.5 Name of the Courses taught by the University :: AT A GLANCE

Course	Subject	No. of seats	Session/ Duration	Eligibility	Mode of selection	Availability of from	Cost of form Course Fee
M.Tech	Electronics & Communication Engineering (Micro-waves)	15	2 yrs	BE/B.Tech in Electronics/ Elec & Telecom Engg/ RadioPhysics and Electronics with atleast 55% marks and preferably GATE qualified	Academic records + Performance in Written test and/or Viva-voce test	June-July	Cost of form : Rs.100/- Rs.12000/- (for fresher candidates) Rs.30000/- (for Sponsored candidates) Lab.fee – Rs.5000/-
B.E.	ECE & E IT CSE Advanced Electronics & Instrumentation.	60 60 60 60	4 yrs	H.S. or equivalent in Science Stream	Joint Entrance Exam. Conducted by W.B.		Total expense : Rs, 1,40,000/- (approx.)
M.Sc / M.A.	Physics Chemistry Botany Zoology Math Statistics Geography** English Bengali Philosophy Political Sc Sanskrit Hindi Economics** History Sociology	52+18*+30* 46+15*+30* 55 50+ 75+35*+30* 30 50+17* 30* 100+100*+60** 125+120*+60** 85 102+40* 100 65 87 90+60** 50	2 yrs June-May	Hons. Graduate under (10+2+3 system) in the relevant subject	Grade mark is calculated on the basis of weightage marks : Hons. 60%; SF & HS-20% each Grade mark is prepared on the basis of weightage : Hons. 60%; SF & HS-20% each	July/ August (After Publication on of Hons. Results) July/ August (After Publication on of Hons. Results)	Cost of form : Rs. 75/- Tuition Fee : Rs. 100/- p.m. Lab. Fee Rs. 60/- p.m. Rs. 75/- Admission Fee Rs. 500/- Tuition Fee : Rs. 100/- p.m.
M.Sc	Environmental Science	25	2- yrs	Science Graduate having Honours in Environmental Sc/ Botany/ Zoology/ Geography/ Physics/Chemistry/ Geology/ Physiology & B.Sc in Agricultural Science	Weightage : Academic records – 40% Performance in Written test – 60%	July/Aug	Cost of form : Rs.75/- Course fee : Rs.25000/- Lab. Fee : Rs.5000/-

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	Bio-technology	25 [10 seats - on the recommendation of DBT, New Delhi]	2- yrs June-May	Science Graduates & Engineering Graduates in Bio-technology or Science Graduate having Honours in Chemistry (with any branch of Bio-Science combination subject) or Any branch of Bio-Science with Chemistry as combination subject or B.Sc. in Agricultural Science.	Weightage : Academic records - 40% Performance in written test - 60%	July / Aug	Cost of form : Rs. 75/- Course fee : Rs. 30000/- Lab Fee : Rs. 5000/-
	Microbiology	16	2 yrs	Hons. Graduate under (10+2+3 system) in the relevant subject	Grade marks is calculated on the basis of weightage Hons. 60%; SF & HS-20% each	July/Aug	Cost of form : Rs.75/- Course fee : Rs. 25000/- Lab. Fee : Rs.5000/-
MA	Mass Communication	50 July-June	2 yrs June-May	Graduate/ Hons. Graduate 10+2+2 with PG Diploma in Journalism and Mass com/ Public Relations/ Advertising recognised by Govt. or University.	Written admission test conducted by the external agency + Personal Interview	May / June	Rs.100/- Course fee : Rs.10,000/- (to be paid in two instalments)
M.Com		105+50*	2 yrs June-May	Hons. Graduate under 10+2+3 system	Grade mark is prepared on the basis of weightage : Hons. 60%; SF & HS-20% each	July/ August After publication of Hons. Results	Rs.75/- Admission Fee Rs.500/- Tuition Fee : Rs.100/- p.m.

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MCA	Computer Science	20	3 yrs June-May	Hons. Graduate with 50% marks in Hons. Subject and having Math as one combination subject or BCA/BE/ B.Tech/B.Sc in Computer Science/B.Sc. in IT/B.Sc in e-Commerce with 60% marks	Hons. Graduate with 50% marks in Hons. Subject and having Mathematics as one of the combination subject And/or BCA/BE/ B.Tech/B.Sc in Comp.Sc/ B.Sc in IT/ e-commerce with 60% marks	March/ April	Course fee : Rs.10000/- p.a. (Total Rs.30000/-) Lab.fee – Rs.5000/- (Total)
MBA	Business Administration	30	2 yrs June-May	Graduates under 10+2+3 system or Graduates in Engg /Tech / Pharmacy/ Agriculture with at least 60% marks	MAT + viva-voce + Group Discussion	Feb	Cost of form Rs.100/- + MAT Form – Admission fee Rs.650/- Course fee : Rs.30,000/- (to be paid in two instalments)
MBA (Tourism)	Tourism	25	2 yr July	Graduates under 10+2+3 system	MAT + viva-voce + Group Discussion	Feb/Mar	Cost of Form : Rs.100/- + Test fee- 100/- Admission fee Rs.300/- Course fee : Rs.30,000/- (to be paid in two instalments)
MBA (HR)	Human Resource	30	2 yrs Jan-Dec	Graduates under 10+2+3 system with 50% marks (45% for SC/ST) In service candidates not below the rank of Jr. Executive of a company with at least 45% marks in graduation and duly sponsored by the employer	MAT + viva-voce + Group Discussion	Sep/ Oct	Cost of Form : Rs.100/- + Test fee- 100/- Admission fee Rs.300/- Course fee : Rs.30,000/- (to be paid in two instalments)

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M. Phil	Zoology	10	1 yr	MSc (Zoo) with 55% marks [50% for SC/STs]	Academic records + Performance in Viva-voce test	May-June	Cost of Form : Rs. 75/- Course fee : Rs. 2000/- Lab.fee – Rs. 1000/-
	English Bengali Philosophy Political Sc Sanskrit Economics History Commerce	25(each)	1 yr	i) 2nd class Masters Degree with 55% marks ii) Teachers of colleges are eligible, however, there is no marks bar.	Academic qualification- 40 marks (10 point of the percentage of total marks starting from MP to MA) + Viva-voce test-10 marks	May-June	Rs.75/- Admission Fee Rs.500/- Course Fee : Rs.1500/-
B.Ed (Sc.)	Physical Science	35 (15 for deputed)	1 yr	B.Sc(Pass) with atleast 45% marks; Deputed teachers in Science stream	Admission is based on academic records starting from B.Sc.(Pass) to D.Litt/D.Sc degree	Mar/ Apr	Cost of Form : Rs.100/- Course fee :Rs.1200/- (for freshers) & Rs.3000/- (for deputed teachers) Lab.fee – Rs.720/-
	Life Science	35 (15 for deputed)					
LL.M.		27	2 yrs June-May	Law Graduates securing atleast 50% marks in aggregate in the Prelim, Inter and Final LL.B. Exam taken together	Written admission test	Apr / May	Rs.75/- + Test fee – 100/- Admission Fee Rs.500/- Course Fee : Rs.3000/-
LL.B.		60+80*	3 yrs	Any. Graduates under 10+2+3 system securing atleast 40% marks in graduate level (35% for SC/ST)	Written admission test	Sep / Oct	Rs.75/- + Test fee – 100/- Admission Fee Rs.500/- Tuition Fee : Rs.100/- p.m.
MLIS	Library & Information Science	15		BLIS	According to marks basis	Sep / Oct	Rs.75/- + Test fee – 100/- Admission Fee Rs.500/- Course Fee : Rs.3000/-

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BLIS	“	64	2 yrs	Any. Graduates under 10+2+3 system . Preference will be given to PG students	According to marks basis	Sep / Oct	Rs.75/- + Test fee – 100/- Admission Fee Rs.500/- Tuition Fee : Rs.100/- p.m.
PG Diploma	Population Education	20	1 yr Diploma	Graduates in any discipline. Few seats are reserved for sponsored Govt/Non-Govt. institutions	Written admission test	May / June	Rs.75/- + Test Fee Rs.50/- Admission fee Rs.500/- Course fee : Rs.2,000/- (may be paid in two instalments)
	Bio-Informatics	25					
Diplo- ma/Cer- tificate/ Adv. Diploma Course	Foreign Languages: French German Russian	100	1 yr June-May	Any Graduate. For Diploma Graduate with certificate course; For Adv. Diploma Graduate + Certificate course + Diploma course	According to marks basis	Mar	Rs. 75/-+ Test fee – 100/- Admission Fee Rs.500/- Tuition Fee : Rs.100/- p.m.

* Post-graduate courses are taught in several General Degree College / Constituent colleges. For details please turn over to succeeding pages.

** Post-graduate courses taught in Additional shift(Evening)

*** M.Sc. degree is offered to those candidates who have B. Sc qualification in graduation level.

Seats are reserved for SC/ST/OBC/Physically handicapped candidates as per Govt. norms.

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PG Courses in General Degree College / Constituent Colleges *

Name of the Constituent Colleges	Post-graduate subject(s) taught	No. of intake
Bankura Christian College, Bankura	M. A. in English	40
	M.A. in Bengali	30
	B.P.Ed	–
B. B. College, Asansol	M.Sc. in Physics	18
Burdwan Raj College, Burdwan	M.A. in Bengali	30
Vivekananda Mahavidyalaya, Burdwan	M.Sc. in Chemistry	15
Chandannagar Govt. College,	M.A./M.Sc. in Geography	17
Chandannagar	M.A. in Bengali	30
	M.A. in French	–
Durgapur Govt. College, Durgapur	M.Sc. in Geology	20
	M.Sc. in Chemistry	–
	M.Sc. in Conservation Biology	–
Hooghly Mohsin College, Chinsurah, Hooghly	M.A. in Political Science	60
	M. A. in English	30
	M.Sc. in Physiology	12
	M.Sc. in Botany	–
	M.Com	50
	M.A. in Urdu	–
LL.B.	80	
J.K.College , Purulia	M.Sc. in Mathematics	35
MUC Women's College, Burdwan	M.A. in English	30
Durgapur College of Commerce & Sc., Rajbandh	M.Sc. in Bio-Chemistry	20
Durgapur Law College, Rajbandh, Durgapur	M.A. in Social Work	–
Suri Vidyasagar College	M.Sc. in Zoology	–
Ramananda College, Bankura	M.Sc. in Botany	–
CMC Limited, Kolkata	M.Sc. in Computer Technology	–
College of Art & Design, Burdwan	M.A. in Fine Arts	–
Netaji Mahavidyalaya, Arambag	MA in Bengali	30

DISATANCE MODE OF EDUCATION

Degree	Courses	Subject	Duration & Pattern	Course Fee
MA/ M. Com	P.G. General	(1) Bengali (2) English (3) History, (4) Philosophy, (5) Political Science, (6) Sanskrit (7) Commerce	2 years (Part-I & Part-II at the end of 1st & 2nd year respectively)	Rs. 2500/- (Part I & Part II each)
MA/ M.Sc	P.G. Profe- ssional	<ul style="list-style-type: none"> ● MBA in Insurance and Risk Management ● M.A./M.Sc. in Remote Sensing & GIS, 	2 year (4 semesters)	(1) Rs. 9000/- (Per semester for MBA in IRM) (2) Rs. 17000/- (Per semester for Remote Sensing & GIS)
BA/ B.Sc (Hons.)	U.G. Profe- ssional	(1) B.A. Hons. in Interior Design (2) Fashion and Apparel Design (3) B.Sc. (Hons.) In Bio-Informatics, (4) Environmental Science	3 years (6 semesters)	Rs. 8000/- (Per semester)

5.5.6 THE UNIVERSITY PUBLICATIONS :

The Publication Unit of this University brought out the following new publications.

- i) Rakta Karabi : Rupe Rupantare – Dr. Moley Rakhit
- ii) Burdwan Jelar Lok Sanskriti – Dr. Mihir Choudhury Kamilla.
- iii) Bangla Journal – Vol. 15.

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5.5.7 ACTIVITIES OF NATIONAL SERVICE SCHEME

Normal & Special Camping NSS Activities at a Glance

Sl. No.	Description of work	Volume of work	Remarks
1.	Blood Donation Camp	19	
2.	Number of Book Donors	M – 1415 F-234	Total – 1649
3.	Pulse polio Programme	Children benefited – 6912	Volunteers involved – 831
4.	Deworming programme for the Children at the adopted villages	14 Villages	714 Children attended
5.	Health Care Camp at NSS Deptt.	1888+ persons benefited	Homoeopathic system of treatment
6.	Medicinal Plants garden	In 30 Colleges	Average 60 types of plants
7.	Tree Plantation	57 Colleges & 29 adopted villages	Tree planted – 8867
8.	Surface water purification	30 units participated	43 walls and 12 ponds purified
9.	Pre-Schooling Camp	4 NSS units	250+ Children benefited 90+ admitted in the Primary School
10.	Coaching class for the BPL children for arresting school dropout	4SS units	110 students attending regularly
11.	Seminar at the University level	Arranged 52 Colleges	Topics : AIDS – 33 Environment – 19
12.	Seminar at the University level	Sub : Work shop on Disaster Management at Jadavpur University on 03.9.2005	46 Programme Officer attended
13.	Participated in the AIDS WALK FOR LIFE	15 Colleges with 33 units participated	1675 NSS volunteers participated in the programme
14.	Seminar on AIDS at community level	48 units of 7 colleges at 48 adopted villages	Community people participated – 2689
15.	Special Camping programme	86 units of 40 colleges involved	Male volunteer 2974 Female Volunteer – 1326 Total 4300

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5.5.8 Continuing Education Courses under the Department of Adult Continuing Education & Extension

Course	Duration	Nature	Eligibility	Intake	Collaborating Agency
Diploma in Medical Laboratory Technology	2 years	Self-financing	B. Sc. (Bio Science) with combination subjects of Zoology/ Physiology and Chemistry/ Bio-Chemistry	20	Burdwan Medical College & Hospital
Post Graduate Diploma in Population Education	1 year	-do-	Graduate in any discipline	20	ACE & E
Post Graduate Diploma in Special Education (Mental Retardation)	1 year	-do-	-do-	20	Ananda Niketan, Katwa
Certificate Course in Operation and Maintenance of Analytical Lab. Equip. & Instruments	6 weeks	-do-	B.Sc.	20	USIC-ISE(BU)
Certificate Course on Mother-Child Care & Family Welfare	1 year	-do-	Madhyamik	20	Burdwan Medical College & Hospital and Sahid Sib Sankar Seva Samity
Certificate course on Social Service/Blood Donor Motivation		-do-	HS	60-80	ACE & E
Post Graduate Diploma Course in Yoga Education	1 year	-do-	HS	45	ACE&E
Certificate Course in Yoga Education	3 months	-do-	HS	45	ACE&E
Certificate Course in Measurement & Control of Water Pollution, Air Pollution and Soil Pollution	3 months	-do-	HS (Science)	20	Deptt of Environmental Science
Certificate Course in Communicative Hindi	6 months	-do-	HS	30	ACE & E + Deptt of Hindi
Certificate Course in Communicative English	6 months	-do-	HS	30	ACE & E

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5.5.9 Participation in Seminar / Symposium / Workshop by Faculty Members during 2008-2009

Sl. No.	Deptt.	Name of the Candidate	Designation	Type of activity	Title	Venue	Date
1	Bengali	Prof. Biplab Chakraborty	Professor	National	Languages of Theatre	New Delhi	28.1.09-30.1.09
2	English	Prof. Bijay Kr. Das	Professor	National	All India English Teachers Conference	Hardwar	Dec 18-20,2008
3	History	Dr A. Samanta	Professor	International	20th Conf. of International Association of the Historian of Asia	New Delhi	Nov 14-17, 2008
4	"	Aparajita Dhar	Sr. Lecturer	National	Annual Conf. of Institute of Historical studies	Tirupati	March 6-8, 2009
5	"	Syed T.Nasreen	Reader	National	Ramayana	Bhubaneswar	April 12-13,2008
6	"	"	"	National	Global congress on World's Religions after September 11 : An Asian perspective	New Delhi	Jan 17-19, 2009
7	Economics	Sri S.K. Dutta	Professor	National Workshop	National Entrepreneurial network	Kolkata	Jan 12-16, 2009
8	Commerce	Dr S. Ghosh	Professor	International	Management Science and Arts		Sept 15-17,2008
9	"	"	"	International	Business and Finance	Hyderabad	Jan 9-10, 2009
10	Mass Com	Sri Rajesh Das	Lecturer	International	Media's strategy & NGOs contribution	Delhi	Sept 4-6, 2008
11	"	Sri Mughda Sengupta	Lecturer	Workshop	Research methodology workshop	Burdwan	Jan 5-9, May 18-22, 2009
12	Chemistry	Dr Bimalendu Roy	Reader	National	XXIII Conf. of Carbohydrate spouted by ACTTI	Delhi	Jan 22-24, 2009

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13	"	Dr T.Das	Lecturer	National	Workshop on SEM	Burdwan	Sept 16-19, 2008
14	"	Dr P. Chattopadhyay	Reader	National	Life and works of Sir J. C. Bose	Kolkata	March 20-21, 2009
15	Law	Prof. Manik Chakraborty	Professor	International	International Law in the contemporary law	Delhi	Feb 1-4, 2009
16	"	Dr J.K.Saha	Lecturer	International	International Law in the contemporary law	Delhi	Feb 1-4, 2009
17	"	Dipak Das	Sr.Lecturer	National	Emerging Dimensions of Legal education and legal profession in India	North Bengal University	Feb 28-March 1, 2009
18	Lib.Sc.	Dr T. Tripathi	Reader	National	XXV Conf. of IATLIS '08	Chandigarh	Nov 27-29, 2008
19	Physics	P.K. Chakraborty	Reader	International	Nanostructural materials and nanocomposites (ICNM-2009)	Karala	April 6-8, 2009
20	"	Dr Mrinal Pal	Sr. Lecturer	National	Homi Bhabha Centenary DAE BRNS National Conf. & HRI School on spintronic and magnetic electronic materials and devices	Puri	Jan 7-10, 2009
21	"	"	"	National	Advanced nanomaterials and its applications	Jadavpur University	Aug 8-9, 2009
22	"	Dr S. Mukherjee	Lecturer	National	"	"	"
23	Physics	Dr S. Das	Reader		National Laser Symposium	Delhi	Jan 7-9, 2009
24	Mathematics	Absos Ali Sk.	Reader	National	Indian Fisheries Forum	Kolkata	Nov 22-26, 2008

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25	Zoology	Dr A.Basu	Reader	National	XXXII AICBC Conference	Pune	Dec 4-6, 2008
26	"	Dr K. Ghosh	Lecturer	National	Conf. of the Indians Mathematical Society	Allahabad	Dec 27-30, 2008
27	"	Dr S.N. Chatterjee	Lecturer	National	All India Zoological Conference	Assam	Dec 29-31, 2008
28	Botany	Prof. P.K. Bhattacharyya	Professor	National	XVIIIth Annual Conf. of IAAT	Kalyani, WB	Oct 11-13, 2008
29	"	Dr J.P. Keshri	Reader	National	21st Annual Conference of Indian Botanical Society	Allahabad	Dec 17-19, 2008
30	"	Prof. R. Mukhopadhyay	Professor	Int. Symposium	Perspective in Pteridophytes	Lucknow	Nov 27-29, 2008
31	"	Prof. P.K.Pal	Professor	National	XVIIIth Annual Conf. of IAAT	Kalyani, WB	Oct 11-13, 2008
32	"	"	"	National	Plant life through the ages	Lucknow	Nov 16-17, 2008
33	"	Dr A. Mukherjee	Professor	National	Cultural diversity	Kerala	Feb 15-17, 2009
34	Geography	Sri Biplab Biswas	Lecturer	Symposium	Advances in Remote sensing	Ahmedabad	Dec 18-20, 2008
35	"	Dr N.C.Jana	Reader	National	Technology 30th Indian Geographical Congress	Allahabad	Dec 19-21, 2008
36	"	Dr G. Siddique	Reader	International	Resource Development and environmental changes emerging issues and challenges	Aligarh, UP	Jan 27-29, 2009
37	"	Prof. K. Bhattacharyya	Professor	Seminar	Contemporary issues in Geography	Kolkata	Feb 27-28, 2009
38	ISE	Dr N.K.Mandal	Sr Lecturer	National	Golden Jubilee Conference	New Delhi	Nov 12-14, 2008

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39	MCA	Dr. S. Mukhopadhyay	Professor	National	National Conference on IASLIC in SIG Computer		Dec 10-13, 2008
40	MBA	Amir Jafar	Lecturer	International	Accounting Conference	Kolkata	Jan 3-4, 2009
41	"	P.Sarkar	Lecturer	International	Doing Business	Bangalore	Dec 18-19, 2008
42	"	P. Mallick	Reader	International	Corporate Governance in Inst. Of Public enterprise	Hyderabad	Feb 12-13, 2009
43	Sociology	Dr Anirban Banerjee	Professor	National	XXXIV All India Sociological Conference	Jaipur	Dec 27-29, 2008
44	"	Sri Biswajit Ghosh	Professor	National	"	"	"
45	"	Dr S.M.De	Lecturer	National	"	"	"
46	Pol.Sc.	Arindam Roy	Lecturer	National	Indian Social Science Congress	Delhi	Dec 18-22, 2008

Participation in Seminar/Symposium/Workshop in abroad by Faculty Members activities during 2008-09 in ABROAD

Sl. No.	Deptt.	Name of the Candidate	Designation	Title	Venue	Date
1	Commerce	Prof. S. Ghosh	Professor	Sustainability and Transparency of GRI Global Conference	Amsterdam, Netherlands	May 7-9, 2008
2	ACE&E	Dr S Bandyopadhyay	Project Officer	Regional Development and Millennium Development goals of 10th PRESCO Summer Institute, 2008	Dhaka, Bangladesh	May 15-17, 2008
3	Mass Com	Rajesh Das	Lecturer	International Conference on Social Science	Sri Lanka	July 18-20, 2008
4	Mathematics	Dr G.C.Layek	Reader	Visit the faculty of Mathematics & Mechanics and attending Seminar	Russia	Aug 20 - Sept 19, 2008
5	Statistics	Dr R.N. Das	Reader	Applied Probability and Statistics	Hanoi, Vietnam	Dec 1-3, 2008

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Participation in Seminar/Symposium/Workshop Officers/Staff members of the University during 2008-09

Sl. No.	Name of the Candidate	Deptt.	Type of Activity	Title	Venue	Date
1	Dr J.Tah	STA Teacher	Inter-national	Multidisciplinary approaches in angiosperm systematics	Kalyani	Oct 11-13,2008
2	R. Ghatak	"	Inter-national	IEEE International symposium on Microwaves	Bangalore	Dec 3-6, 2008
3	A.M.Midda	Librarian (Offg)	National	National Conference on Digitization and Digital reservation	Kolkata	Jan 10-13, 2009
4	Dr G. Ambia	Asst. Librarian	National	IASLIC Conference	Kolkata	Jan 10-13, 2009
5	P.Sarkar	Superinten-dent	National	National Conference on Digitization and Digital reservation	Kolkata	Jan 10-13, 2009
6	T. Dalal	STA Teacher, Botany	Inter-national	Botanical Conference	Bangla-desh	Jan 16-18, 2009
7	Dr A. Bose	Scientific Officer, Physics	Inter-national	Advance in Metrology	Delhi	Feb 18-20, 2009
8	R.K.Jana	Asst.Curator	National	Religion and culture in India through the ages	Tirupati, AP	March 6-8, 2009

5.5.10 Highlights of major achievements/activities

- **Centre for Human Resource Development :** The Centre has been established with a view to offer value added courses to the students of this University including the students of the affiliated undergraduate colleges. As a finishing school, the centre aims at making the students employable particularly at the private sector industries. To begin with the centre in January, 2007, the Centre is going to start one BPO Academy to be run jointly with the Acclaris – Business Solutions Pvt. Ltd., Kolkata (*a 100% subsidiary of Acclaris Inc., USA*).The centre also plans to offer courses for the Corporate Executives.
- **Centre for Interdisciplinary Studies:-** A Centre for Interdisciplinary Studies (CIS) has been established under the Faculty of Arts, Commerce, Management, Law etc. for pursuing

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studies and research in the fields of women, governance, human rights, human development etc. An Interdisciplinary M. Phil. programme of studies on women has already been developed and will be launched soon. A new Diploma course on Human Rights and Governance specially designed for the in-service police personnel and others, is being developed.

- **Industry Institute Partnership Cell (IIPC):-** The University established Industry Institute Partnership Cell in the Department of Business Administration in 2003 and having carried out activities with interested people of this region particularly in Rice development programme and different types of training to the agricultural people on modern knowledge for long term economic impact in the agricultural field.
- **Centre for Management Studies :** The centre not only pursuing studies and research in the emerging areas of management, but also to bring all the three departments related to management studies i.e., Business Administration, MBA(Human Resource), MBA(Tourism) under its umbrella.
- **Centre for NET/SET studies :** In order to guidance to the incumbents mainly belonging to the Socially and economically backward classes.
- A **MOU** has been signed between the University of Burdwan and seven Italian Universities aiming at development in the field of Culture and heritage and in the emerging areas of Science & Technology.
- Applied for several patents viz., Indian Patent on “Improved Fermentation Method for the manufacture of Black Tea”
- Dr U. Chatterjee, Deptt. Of Physics has obtained **Indian patent** on the invention entitled “An Optical feedback unit for enhancement of nonlinear frequency conversion efficiency”.
- The University has obtained a project under **SERC FAST TRACK** Scheme entitled “Photophysical and theoretical investigations on molecular complexation between fullness and phthalonines”.
- To cater the need of the students, the University has opened up of **additional shift in the evening** for imparting PG Courses of studies with a view to give more opportunity to the students.
- In 2007, 10 colleges and 2008 , 9 colleges have been set up.
- A new **Guest House-cum-Office Building** of the University has been constructed at Salt Lake, Kolkata.

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NEW COLLEGES / PRIVATE INSTITUTIONS AFFILIATED DURING 2008-2009

Name of College & Address	District	Year of Estd.
ABS Academy, J.P. Avenue, Sagarbhanga, Durgapur-713211, Ph. 0343-2550697/698	Burdwan	2008
Vidyasagar Teacher Training College, P.O. Kalna, Ph. 03454-255294	"	2008
Asansol Institute Science & Management, Kannyapur, Satellite Township, P.O. Asansol-713302, Ph. 0341-3208255.	"	2008
HOPE School of Training, St. Paul's Road, A-Zone Steel Township, Durgapur-713204, Ph. 0343-2562965	"	2008
Bankura samhati Law College. Natunchati, Bankura	Bankura	2008
Pandua College of Education, Naximahalla, Pandua, Ph.0343-2555428, 03324663034, E-mail: panduacollegeofeducation@yahoo.com, website: www.panduacollege.org	Hooghly	2008
Santaldih College, Ushir, P.O. Chattarmahul, Ph.9932806001.	Purulia	2008
Deben Mahato Teacher Training Institute, Paharigora, P.O. Deoli-723146, Ph. 9932897586.	"	2008
Vidyasagar Foundation School of Education & Training, Vill. Tamna, P.O. Simulia-723102, Ph. 9434078639.	"	2008

5.6 KALYANI UNIVERSITY (1960)

The University of Kalyani was established in 1960 with a campus area of over 400 acres in Kalyani town. It is well connected by road and railway, with a railway station for the University. The University is situated in a locality with rural and backward areas. Yet, its distance from Kolkata is only 60 km. This location advantage of the University makes it particularly suitable for the Cafeteria Approach' of higher education. The University ensures on one hand, the development of excellence, and on the other, contribution of higher education through dissemination of knowledge to rural areas in an open and flexible system. The University is also considering the possibility of upgrading some of its affiliated colleges with the Academic Autonomy, and postgraduate teaching. The University is presently offering **twenty-seven** postgraduate programmes under four faculties, namely, Science, Arts & Commerce, Education, Technology & Management. The total number of approved teaching posts at present is

193, catering to around 2948 postgraduate students. In its administrative set up, there are approximately 32 officers, and 517 Staff on the pay-roll at the moment, which vindicates a streamlined academic administration as per the usual norms of teacher-student ratio and teacher-staff ratio. The University is providing academic guidance and leadership to **37(thirty seven)** affiliated degree colleges located in the districts of Nadia and Murshidabad.

5.6.1 FACULTIES & DEPARTMENTS :

POST-GRADUATE COURSES (2 YEARS)

FACULTY OF ARTS & COMMERCE :

Total no. of Departments - 10

Bengali , Commerce , English , Economics , Folklore,
History, Library & Information Sc., Political Science, Sociology.

FACULTY OF SCIENCE :

Total no. of Department – 9

Bio-Physics & Bio-Chemistry, Botany, Computer Science (DCA) one year,
Chemistry, Environmental Science, Mathematics, Physics, Statistics, Zoology.

FACULTY OF EDUCATION

Total no. of Department - 2

Education Deptt.-B. T. (1 year), M.A./ M. Sc. in Education (two years),
Physical Education –B.Ed (in Physical Education) 1 yr., M. P. Ed (2 Yr.) .

OTHER POST GRADUATE COURSES :

FACULTY OF ENGINEERING & TECHNOLOGY

FACULTY OF LAW

FACULTY OF MUSIC & FINE ARTS

UNDERGRADUATE COURSES

FACULTY OF ARTS

B. A (Hons.) in English, Sociology, Economics, Bengali

FACULTY OF SCIENCE :

B. Sc. (Hons.) in Chemistry, Physics, Mathematics, Statistics, Botany, Zoology.

OTHER UNDERGRADUATE COURSES :

The University conducts B.A. / B.Sc. /B.Com. Pass & Honours courses in it's 36 affiliated degree colleges. Besides this, University conducts certificate course in Chinese & Russian Languages and B.Tech. Courses in : (a) Information Technology, (b) Electronics & Instrumentation. M. Phil. courses in English, Education & Economics are also conducted by the University.

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5.6.2 Name of the various Courses conducted in the University

Sl. No.	Department	Name of the Subject	Name of the Course	Intake Capacity	Minimum Selection Criteria
1.	Biophysics & Biochemistry	Biophysics & Biochemistry	M.Sc.	20 + 20	H.S. 40% & Hons.60%
2.	Botany	Botany	M.Sc.	45	20% M.P, 30% H.S., 50% Hons.
3.	Chemistry	Chemistry	M.Sc.	50	Hons. Marks.
4.	Environmental Science	Environmental Science	M.Sc. M. Phil	25 20	Admission test by The University P.G. Marks & Interview
5.	Mathematics	Mathematics	M.Sc.	80	70% Hons.
6.	Physics	Physics	M.Sc.	45	Hons. Marks
7.	Statistics	Statistics	M.Sc.	40	Hons. Marks
8.	Zoology	Zoology	M.Sc.	45	Hons. Marks
9.	Microbiology	Microbiology	M.Sc.	20	Admission test by the University
10.	Molecular Biology & Biotechnology	Molecular Biology & Biotechnology	M.Sc.	10	Admission test by the University
11.	Computer Science	Computer Science	MCA	22	Joint Entrance Examination
12.	Geography	Geography	M.Sc.	25	Hons. Marks
13.	English	English	M.A.	100	Hons. Marks
14.	Economics	Economics	M.A.	70	Hons. Marks
15.	Folklore	Folklore	M.A.	100	Hons. Marks
16.	History	History	M.A.	100	Hons. Marks
17.	Political Science	Political Science	M.A.	100	Hons. Marks
18.	Sociology	Sociology	M.A.	60	Hons. Marks

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19.	Hindi	Hindi	M.A.	40	Hons. Marks
20.	Geography	Geography	M.A.	25	Hons. Marks
21.	Philosophy	Philosophy	M.A.	60	Hons. Marks
22.	Physiology	Physiology	M.Sc.	10	Hons. Marks
23.	Sericulture	Sericulture	M.Sc.	20	Hons. Marks
24.	Bengali	M.Phil	M. Phil	20	P. G. marks & Interview
25.	English	M.Phil	M.Phil	10	P. G. marks & Interview
26.	Economics	M.Phil	M.Phil	10	P. G. marks & Interview
27.	Education	M.Phil	M.Phil	10	P. G. marks & Interview
28.	Commerce	Commerce	M.Com	100	Hons Marks
29.	Library & Information Science	Library & Information Science	1 year P.G. Diploma	30	Hons. Graduate
30.	Modern Language	Chinese Language	1 year Diploma in Chinese Language	30	Graduation
31.	Adult Education	1 year P.G. Diploma	1 yr. P.G. Diploma	20	Graduation
32.	University Science & Instrumentation Centre	i) Information Technology	B.Tech.	20	Joint Entrance
		ii) Electronics & Instrumentation	B.Tech.	20	Joint Entrance
33.	Bengali	Bengali	M.A.	160	Hons. Marks

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34.	Physical Education	B.P.Ed.	1 year B.P.Ed. (Physical Education)	80	Graduation
35.	Physical Education	M.P.Ed.	2 year M.P.Ed. in Physical Edn.	25	B.P.Ed.
36.	Education	Education	M.A/M.Sc. in Education	60	Hons. & B.Ed. Marks.
37.	Education	M.Ed.	1 year M.Ed.	20	P.G. Hons. Marks
38.	Education	B.Ed.	1 Year	176	P.G. Hons Marks
39.	Business Administration	Business Administration	MBA	25	Hons. Marks & Written Exam.
40.	Modern Language	Russian Language	1 Year Certificate Course in Russian Language	30	Graduation

5.6.3 HIGHLIGHTS OF THE MAJOR ACTIVITIES UNDERTAKEN DURING 2008-2009

During the year **2008-2009** the following courses are going to be launched in the Directorate :

1. M.Phil in Zoology
2. M.Phil in Social Science
3. Certificate Course in Dairy Production Management
4. Certificate Course in Fishery Management
5. Certificate Course in Folklore & Cultural Tourism

After the process of Assessment and Accreditation of the University as a whole by NAAC during 2001, the University has initiated necessary action towards beefing up its curricula in Emerging Areas before the next visit of the Peer Review Team of NAAC which is imminent and scheduled before 31 March 2008. The University through its Internal Quality Assurance Cell (IQAC) has taken up necessary action towards entering into the process of Re-Accreditation. The Re-Accreditation Report (RAR) is being prepared envisaging major achievements of the University in all its academic and administrative departments.

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The University has created **Bioinformatics Infrastructure Facility (BIF)** for the promotion of Biology teaching through Bioinformatics(BTBI) **with the fund support from the Department of Biotechnology(DBT), Govt. of India to the tune of Rs. 20.00 lakh.**

During the year Refresher Courses in the following emerging areas on inter-disciplinary basis have been sanctioned by UGC :

- a. Computer Science
- b. Environmental Science

A number of seminars/workshops were organised at different University departments.

● **Research Activities in Various Departments :**

The University Departments in all of its faculties have recorded remarkable performance in research. The University is oriented towards serious effort to develop its potential by strengthening and extending research activities in its preferred areas through collaborations with other Institutions / Bodies in India and abroad. **On-going Foreign Collaborations** in research on selected areas with Countries like **Japan, Sweden, Germany, UK, France** are helping the University for proceeding towards its goal.

The University has targeted to carry out remarkable researches in priority areas with the help of Centralised Support Schemes of premier funding institutions like DST etc. against schemes like FIST(Fund for Improvement of infrastructure in Science & Technology) Programme **for which departments of Biochemistry & Biophysics, Botany, Mathematics and Zoology have been identified by the** Department of Science & Technology (DST), Govt. of India and fund to the tune of Rs.251.00 lakh has been sanctioned. The University has also prioritized to avail Major Research Projects from different peer bodies like UGC, CSIR, tCMR,DBT,ICAR,DST etc. It would be worth mentioning **that the under the FIST.**

In view of above the University is also active in strengthening its research activities in the emerging and developing areas.

To combat the problem of arsenic contamination in ground water of several districts of West Bengal, the Chemistry department has been continuing extensive researches through Collaborative Project entitled “ **Nanoscale Biogeochemistry of Arsenic and Remediation of High Arsenic Groundwater in Southern Asia**” funded by **EPSRC, Wiltshire, UK with a sanctioned amount of 75,000 sterling pound (54.00 lakh) involving University of Manchester, UK has left much impression in this regard.**

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5.7 UNIVERSITY OF NORTH BENGAL (1962)

The University of North Bengal was established by an Act of the Legislature of West Bengal in 1962 and assigned the mandate of providing teaching, training and research in various branches of advanced learning and promoting the dissemination of knowledge to fulfill growing socio-economic and technical manpower needs in the six North Bengal districts and the neighboring state of Sikkim. The University occupies an area of about 330 acres and is situated at a distance of 9 km from Siliguri and 4 km from Bagdogra Airport in the Terai region of Darjeeling District. The University Act was amended by the West Bengal Act of XXV of 1981, which came into force with effect from September 16, 1981. The University started functioning with 16 affiliated colleges and 6 P.G. Depts. on 1st November, 1962 which date is commemorated as its foundation day.

5.7.1 Postgraduate and Postgraduate Diploma / Diploma Courses in the Faculties of the University.

(i) FACULTY OF ARTS, COMMERCE AND LAW

M.A. in Bengali, English, Nepali, Hindi, Economics, Philosophy, Sociology, Political Science, Geography & Applied Geography,

M.Com., LL.M.,

Adult and Continuing Education, Extension & Field Outreach.

* M.B.A.

* Post Graduate Diploma in Marketing Management / Tourism & Hotel Management / Environmental Law.

* Diploma in Museum Studies.

M.Phil. in Political Science, History, Philosophy, Nepali, Himalayan Studies, Economics, B.Lib. & Information Science (1 yr.)

LL.B. Hons. (5 years).

‘**’ means self-financed Courses.

(ii) FACULTY OF SCIENCE

M.Sc. in Botany, Chemistry, Computer Science & Application, Mathematics, Physics, Zoology, Anthropology, Bio-technology, Computer Science.

M.C.A.

* Post Graduate Diploma in Tea Management/ Disaster Management./Information Technology

* B.B.A./B.C.A.

* M.Phil. in Remote Sensing & GIS.

‘*’ means self-financed courses.

(iii) FACULTY OF MEDICINE

D.O. and M.D. courses (2 years) in Anatomy, Physiology, Community Medicine, Anaestheology, Pathology are conducted in the North Bengal Medical College.

5.7.2 CENTRES IN THE UNIVERSITY

(i) Centre for Himalayan Studies, (ii) Centre for Life Science, (iii) Centre for High Energy & Cosmic Ray Physics, (iv) Centre for Development Studies, (v) Centre for Women’s Studies, (vi) Centre for Remote Sensing Applications, (vii) University Science Instrumentation Centre, (viii) Computer Centre, (ix) Centre for Studies in Local Languages & Culture, (x) Centre of Distance Education and (xi) Information Technology Centre.

5.7.3 UNDERGRADUATE COURSES

B.A./B.Sc./B.Com./B.Ed./B.Phy.Ed./B.B.A./B.C.A./B.Pharm. Course are conducted in the following affiliated colleges.

Types of Colleges	Number
General Degree Colleges	44
B. Ed. Colleges	14
Physical Education College	3
Law Colleges	1
Total	72

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5.7.4 COLLEGES WITH P.G. COURSES

Name of the College	Subjects
Raiganj College (University College)	Bengali
Balurghat College	Bengali, M.Com.
Malda College	English, History
Darjeeling Govt. College	Botany, Zoology, Nepali, English
Ananda Chandra College	Bengali
Sikkim Govt. Law College	L.L.M.

5.7.5 Distance Education

The Directorate of Distance Education, established in 2000 in the University of North Bengal has been conducting Distance Education courses in various subjects at P.G. and U.G. levels including the bridge course. Distance Education courses at P.G. & U.G. level in seven subjects namely Bengali, English, Nepali, Political Science, History, Philosophy & Mathematics. Director Distance Education Council (DEC) have visited the Directorate of Distance Education of North Bengal University and expressed their satisfaction on the Academic achievements of the Centres. As a result Directorate of Distance Education received recognition from DEC. Total enrollment during the year 9,000 (approx). The university has institute OFF Campus mode of Education too.

5.7.6 Different Departments of the University with the courses at UG/PG/PG Diploma with number of seats available to each of the courses.

Sl. No.	Department	Name of the Subject	Name of the Course	Intake Capacity
1)	Bengali	Bengali	M.A.	83
2)	English	English	M.A	80
3)	Nepali	Nepali	M. A.	60
4)	Economics	Economics	M.A	75
5)	Commerce	Commerce	M.Com.	75
6)	Philosophy	Philosophy	M.A	61

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7)	History	History	M. A.	83
8)	Political Science	Political Science	M.A	68
9)	Sociology	Sociology	M. A.	35
10)	Hindi	Hindi	M.A	30
11)	Physics	Physics	M.Sc.	40
12)	Chemistry	Chemistry	M.Sc.	45
13)	Mathematics	Mathematics	M.Sc.	50
14)	Botany	Botany	M.Sc.	25
15)	Zoology	Zoology	M.Sc.	25
16)	Geography & Applied Geography	Geography & Applied Geography	M.Sc.	45
17)	Anthropology	Anthropology	M.Sc.	15
18)	Microbiology	Microbiology	M.Sc.	20
19)	Computer Science & Application	Computer Science & Application	MCA M.Sc.	30 15
20)	Bio-Technology	Bio-Technology	M.Sc.	10
21)	Law	Law	L.L.M	20
22)	Law	Law	L.L.B	90
23)	Tea Management	Tea Management	P.G.D.T.M	25
24)	Library Science	Library Science	B.Lib. & Information Sc.	54
25)	Library Science	Library Science	M.Lib. & Information Sc.	25
26)	Adult & Continuing Education	(i) Marketing Management	P.G. Diploma	45

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27)	Centre for Development	P.G. Diploma	Rural Development & Extension & Education	30
			Disaster Management	
			Mass Communication & Video Production	
28)	I.T. Centre	P.G. Diploma	Information Technology	50
29)	I.T. Centre	I.T. Centre	BCA	60
30)	I.T. Centre	I.T. Centre	BBA	50
31)	Centre for Himalayan Studies	Strategic & Area Studies	M.A. in Strategic & Area Studies	20
32)	Mass Communication & Video Production	Centre for Development Studies	Diploma	30
33)	Prof. Nurul Hussan Centre for Management	MBA	MBA	45
34)	Directorate of Distance Education	Bengali, English, Pol. Science, History, Mathematics, Nepali, Philosophy	UG, PG	3500
			B.A, M.A., M.Sc.	
35)	Off Campus Education	PGDIT PGDLCM PGDIT DMT	UG	650
			BSS, BIT	

5.7.7 Schools and Centres of University with a brief note on the activities of such schools/ centres

Centre of the University

Centres : (Faculty of Arts, Commerce & Law)

Sl. No.	Centre	Programme	Highlights
1.	Centre for Himalayan Studies	M.A.(Strategic & Area Studies)/ Ph.D	Area Studies Programme (UGC)
2.	Centre for Women's Studies	Seminar/Workshop/Action Research : Teaching course (Proposed)	UGC assisted since IX Plan
3.	Prof. Nurul Hasan Centre for Management Studies	MBA and other P.G. Diploma course in Management	Self-financed coursed
4.	Centre for Studies in Local Languages & Culture	Seminar/Workshop/Action Research	
5.	Centre for Ambedkar Studies	Seminar/Workshop/Action Research	UGC assisted since X Plan
6.	Centre for Buddhist Studies	Seminar/Workshop/Action Research	UGC assisted since X Plan
7.	Centre for Development Studies	Seminar/Workshop/Action Research	
8.	Directorate of Ditrance Education	M.A./M.Sc.	
9.	Nehru Studies Centre	Seminar/Workshop/Action Research	

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Centres : (Faculty of Arts)

Sl. No.	Centre	Programme	Highlights
1.	Centre for High Energy & Cosmic Ray	Research; Short-term certificate course	
2.	Computer Centre	Maintenance of LAN, VOIP and VSAT system; Services for programming	
3.	Centre for Remote Sensing Applications	M.Phil; Short-term training courses	ISSRO assisted (initially) Self-financed courses
4.	University Science & Instrumentation Centre	Repair/Maintenance of equipments and computers	Level II IMP (UGC) assisted
5.	Information Technology Centre	BBA, BCA, PGDIT	Self-financed courses under partnership with Techno India Group, Kolkata
6.	Centre for Development Studies	P.G. Diploma course in Disaster Management Consultancy schemes from Govt. and Non-Govt. agencies	Resource Generation
7.	Centre for Floriculture & Agrobusiness Management	Pilot projects; Manpower training in floriculture and allied disciplines.	Research Partnership with the Deptt. Of Horticulture, Govt. of W.B. and PTEC* of Netherlands.

5.7.8 MAJOR HIGHLIGHTS DURING 2008-2009

- Upgradation of UGC-INFLIBNET facility and Campus wide Local Area Network (LAN) with 512 kbps VSAT connectivity has been upgraded to 6 mbps leased line link for providing better digital library and internet services to the teachers, research scholars and students of the University.
- A new faculty, e.g. Faculty of Technology has been established in the University.
- The University has established academic collaboration with Poland Academy of Science and the Bureau of Police Research and Development.
- A proposal for setting up of Energy Educational Park within the University Campus has been submitted to the Ministry of Non Renewable Energy sources, Govt. of India through WBREDA, Government of West Bengal.
- A Centre for Development of Bamboo and Cane Products has been set up with the financial assistance from the Department of Food Processing Industries & Horticulture, Government of West Bengal.

5.8 VIDYASAGAR UNIVERSITY (1981)

Vidyasagar University was established on 29th September, 1981 by an Act of West Bengal Legislative Assembly called The Vidyasagar University Act 1981 (West Bengal Act XVIII of 1981) after the name of Pandit Iswar Chandra Vidyasagar, the great educationist and Social Reformer of Bengal.

The University was founded with the mission to meet the various needs of the region - ethnic, socio-cultural, geographical etc. as well as encouraging and providing instruction, teaching training and research in various branches of learning, courses of study, promoting advancement and dissemination of knowledge, extending higher education and for meeting the growing demands of the society. The University logo "Education, Knowledge, Progress" rightly justifies the mission of it. The University operates within the territorial limit of the District of Midnapore which has now been divided into Purba Medinipur and Paschim Medinipur.

The University campus has an area of 138.78 Acres of which Main Campus is 103.74 Acres and the Residential Campus is 35.04 Acres.

5.8.1 THE UNIVERSITY AT A GLANCE :

1.	No. of Affiliated Colleges and Institutes :	46
	(i) For Girls	02
	(ii) Professional (B. Ed)	02
	(iii) Paramedical	04
2.	Teachers Total :	1135
	(i) University (Sanctioned)	117
	(ii) Colleges (Sanctioned)	1018
3.	Area of the Campus in Acres :	182.75
	(i) Main Campus	103.74
	(ii) Residential Campus	35.04
	(iii) Third Campus (To be developed for Centre)	43.97
4.	University Officers (Sanctioned)	23
5.	Non-teaching Staff	132 + 10 (for DDE)
	(i) University (sanctioned)	132
	(ii) Directorate of Distance Education	10

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6.	Students Enrolment (i) Ph. D. (ii) Postgraduate (1st Year) [2004-2005] (iii) Undergraduate (iv) Distance Mode (Bridge, Masters)	60 1350 : M-782, F-568 57337; M-38166, F-19171 7600
7.	No. of Exam. Conducted	08
8.	No. of Faculties	02
9.	No. of Board of Studies & Meetings held during this period (a) Postgraduate (b) Undergraduate	55 113
10.	University Library Books Journals (Back Vols.)	66539 2614

5.8.2 POST-GRADUATE DEPARTMENT

FACULTY OF ARTS & COMMERCE

Departments : 1. Bengali; 2.Commerce with Farm Management, 3. Economics with Rural Development; 4. English; 5. History; 6.Library and Information Science; 7.Philosophy and Life-world; 8. Political Science with Rural Administration.

FACULTY OF SCIENCE :

Departments : 1. Applied Mathematics with Oceanology and Computer programming; 2. Anthropology; 3.Botany and Forestry; 4.Chemistry and Chemical Technology; 5. Computer Science; 6. Geography and Environment Management; 7.Human Physiology with Community Health; 8. Physics and Techno-Physics; 9.Zoology; 10. Electronics; 11. Microbiology

5.8.3 OTHER POST-GRADUATE COURSES : B. Tech. Course; M.Sc. etc.

B.Tech Courses : i) Chemical Engineering, ii) Computer Engineering , iii) Instrumentation Technology

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M.Sc. Courses : i) Geography with Environment Management, ii) Microbiology, iii) Electronics, iv) Botany & Forestry (Distance Mode), v) Physics & Techno physics (Distance Mode)

M. A. Courses in Distance Mode : i) Bengali, ii) English, iii) History, iv) Political Science, v) Commerce

M.B.A. Course : i) Master of Business Administration

M.C.A. Course : i) Master of Computer Application

5.8.4 Different department of the University with the courses at UG/PG/PG Diploma level with number of seats available to each of the courses :

Sl. No.	Name of the Department	Name of the courses offered	Intake Capacity
Faculty of Arts & Commerce :			
1	Bengali	M.A.	105
2	Commerce with Farm Management	M.Com.	80
3	English	M.A.	105
4	Economics with Rural Development	M.A./M.Sc	70
5	History	M.A.	105
6	Library and Information Science	B.Lib.Sc. M.Lib.Sc.	35 15
7	Philosophy and the Life-World	M.A.	105
8	Political Science with Rural Administration.	M.A.	90
9	Sanskrit	M.A.	90
10	Sociology	M.A.	60
11	Management	M.B.A.	30
12	Mass Communication & Videography	P.G.D.M.C.	30
Faculty of Science :			
13	Anthropology	M.Sc	50

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14	Applied Mathematics with Oceanogy and Computer Programming	M.Sc	80
15	Botany & Forestry	M.Sc	50
16	Chemistry & Chemical Technology	M.Sc	45
17	Computer Science	M.Sc M.C.A.	30 45
18	Electronics	M.Sc	30
19	Geography & Environment Management	M.A./M.Sc	60
20	Human Physiology with Community Health	M.Sc	40
21	Microbiology	M.Sc	30
22	Physics & Tech no-Physics	M.Sc	55
23	Zoology	M.Sc	45
24	Aquaculture Management Technology	M.Sc	20
25	Bio-Medical Laboratory Science & Management	M.Sc	20
26	Remote Sensing & GIS	M.Sc	40

Besides these postgraduate departments, a few other self-financing institutes have been affiliated by the University to conduct some other courses as detailed below :

Sl. No.	Name of the Department	Name of the courses offered	Intake Capacity
1	Institute of Engineering & Management, Salt Lake, Kolkata	M.B.A. (Distance Mode)	-
2	International Institute of Management Sciences. Uluberia, Howrah	M.B.A. (Distance Mode)	-
3	Oriental Institute of Science & Technology, Burdwan Campus, VIM Campus, Midnapore	B.Sc. (Bio-Tech & Bio-Chem.)	50
		M.Sc. (Bio-Tech & Bio-Chem.)	50
4	Vidyasagar School of Social-Work, Salt Lake, Kolkata	M.S.W.	50
5	Amik Institute of Management Sciences & Technology, Durgapur	M.S.W.	50

5.8.5 COLLEGES WITH DETAILS OF VOCATIONAL COURSES :

1.	Belda College	Office management & Secretarial Practice
2.	Egra S. S. B. college	Office management & Secretarial Practice
3.	Jhargram Raj College	Functional English
4.	Mugberia C. Mahavidyalaya	Tax Procedure & Practice
5.	Panskura Banamali College	Office Management & Secretarial Practice
6.	Raja N. L. Khan Mohila Mahavidyalaya	Sericulture
7.	Ramnagar College	Industrial Fish & Fisheries
8.	Sabong Sajanjanta Mahavidyalaya.	Industrial Fish & Fisheries
9.	Seva-Bharati Mahavidyalaya	Seed Technology
10	Y. S. Palpara Mahavidyalaya	Computer Application
11.	Hijli College	(i) Office Management & Secretarial Practice (ii) Computer Application
12.	Subarnarekha Mahavidyalaya	Tax Procedure & Practice
13.	Chandrakona Vidyasagar Mahavidyalaya	Computer Application
14.	Kharagpur College	Advertising, Sale Promotion & Sales Management
15.	Bajkul Milani Mahavidyalaya	Automobile Maintenance
16.	Sitananda College (Nandigram)	Industrial Fish & Fisheries
17.	Garhbeta College	Office Management & Secretarial Practice
18.	Mahishadal Raj College	Industrial Chemistry
19.	Moyna College	(i) Agro-Service (ii) Functional English
20.	Prabhat Kumar College	Industrial Fish & Fishery
21.	Pingla Thana Mahavidyalaya	Principles and Practice of Insurance
22.	Haldia Govt. College	Tourism and Travel Management
23.	Midnapore College	Instrumentation
24.	Tamralipta Mahavidyalaya	Tax Procedure & Practice
25.	Khejuri College	Agro-Service

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5.8.6 FACULTIES AND DEPARTMENTS

POST GRADUATE COURSES :

FACULTY OF ARTS & COMMERCE :

1. Bengali,
2. Commerce with Farm Management,
3. Economics with Rural Development,
4. English,
5. History,
6. Library and Information Science,
7. Philosophy and Life–World,
8. Political Science with Rural Administration.

FACULTY OF SCIENCE :

1. Applied Mathematics with Oceanology and Computer programming ,
2. Anthropology,
3. Botany and Forestry,
4. Chemistry and Chemical Technology,
5. Computer Science,
6. Geography and Environment Management,
7. Human Physiology with Community Health,
8. Physics and Techno-Physics,
9. Zoology.

OTHER COURSES :

- A. B.Tech. Courses : (i) Chemical Engineering , (ii) Computer Engineering, (iii) Instrumentation Technology.
- B. M. Sc. Courses : (i) Electronics, (ii) Microbiology.
- C. Master of Computer Application
- D. Master of Business Administration.

5.8.7 MAJOR HIGHLIGHTS DURING 2008-2009

- M.Phil. Programme in Political Science with Rural Administration has been introduced.

RESEARCH ACTIVITIES :

The Faculty Members of the Academic Departments are actively engaged in Research and Development activities funded by the Agencies like DBT, DST, GOI, CSIR, UGC, DRDO, ICSSR etc.

5.9 WEST BENGAL STATE UNIVERSITY (Barasat)

The University was established on 10th March, 2008 under the West Bengal Act XXVIII of 2007).

5.10 GOUR BANGA UNIVERSITY

The University was established on 10th March, 2008 under the Gour Banga University Act, 2007 (West Bengal Act XXVI of 2007).

5.11 NETAJI SUBHAS OPEN UNIVERSITY (1997)

Netaji Subhas Open University was established by an Act of the State Government (Act XIX of 1997) on the occasion of birth centenary of Netaji Subhas Chandra Bose. The main objective of this Open University has been to provide higher education opportunities to those who can not pursue higher education due to socio-economic, inaccessibility or other limitations.

The headquarters of the University is housed in a historic building originally owned by Sarat Chandra Bose, a freedom fighter and an elder brother of Netaji Subhas Chandra Bose. Now the University is going to offer its various courses outside the State of West Bengal.

The University at present operates through 142 Study Centres in different colleges covering enrolled students of 69,000 of 15 Programmes in 55 courses.

VISION :

Netaji Subhas Open University, the State University of West Bengal, will contribute to the building up of quality human resource base of the State and collaborate with other Open Universities of the National and State level towards the improvement of the quality of distance education and to promote and develop appropriate technology to create the distance education scenario of an international standard in our country keeping in view of the demands of the knowledge seekers for education appropriate to the twenty first century.

MISSION :

To spread higher education in different parts of the State and to cooperate with Universities to provide access to higher education and to different skill enhancing educational programmes Netaji Subhas Open University shall :

- provide quality education in flexible mode to serve the aim of establishing an equitable knowledge Society within the State.
- provide higher education through distance learning through the language of the State, i.e. Bengali.
- make education affordable to disadvantaged.
- provide facility for lifelong education to the intending learners.
- strive for upgradation of technology without compromising the basic values of the society.
- contribute to the development of the State and the nation and motivate learners to strive for secular, scientific and democratic education.

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ROLE OF STUDY CENTRES :

The University through 142 study centres runs B.P.P (Bachelor Preparatory Programme), B.D.P (Bachelor Degree Programme -Arts, Commerce and Science), Post Graduate Degree Courses (Arts, Commerce and Science) Post Graduate Diploma, Certificate Courses and Vocational and Professional/ Management Courses.

NETAJI SUBHAS OPEN UNIVERSITY HAS INTRODUCED THE FOLLOWING COURSES :

- (a) **Undergraduate Courses** (Arts) : Bengali, English Language, History, Political Science, Sociology , Economics and Public Administration. (Science) : Mathematics, Physics, Geography, Chemistry , Botany and Zoology Commerce.
- (b) **Post Graduate Degree Courses** :- Bengali, English, English Language Teaching, Political Science, Social Work, Public Administration and History Commerce Mathematics, and MCA
- (c) **Post Graduate Diploma Courses**:- Co-operation, Journalism and Mass Communication, Public Relations Advertising.
- (d) **B.Ed. (Special Education)** for Mental Retardation and Hearing Impairment in collaboration with RCI.
- (e) **BLIS** (Bachelor Degree in Information and Library Science).
- (f) **Diploma Courses** :-Entrepreneurship Development and Business Management, Medical Laboratory Technology, Yoga therapy and Physiotherapy, Basic Photography, Advanced Photography.
- (g) **Certificate Courses** :- Preparatory Teachers Training (Professional courses) English for Communication, Bengali Language and Human Rights.
- (h) **Vocational Courses** (i) Tailoring and Dress Designing related Courses, (ii) Electrical and Electrical related Courses, (iii) Automobile related Courses,(iv) Information Technology related courses, (v) Agriculture related courses,(vi) Art & Craft related courses,(vi) Fitting and Plumbing related courses.
- (i) **M.Phil Course in Education** in collaboration with IASE, David Hare Training College.
- (j) **Degree of Doctor of Philosophy** in Arts, Science, Commerce, Management, Computer Science, Distance Education and Interdisciplinary subjects.
- (k) **M.B.A.** : This is one of the popular Courses of the School of Humanities and Social sciences is the Management programme at the completion of which the students will be awarded the MBA degree.

IMPORTANT DEVELOPMENT

MoUs have been signed between NSOU and the following Institutions for the purposes as mentioned below.

- (i) **Chennai Mathematical Institute** : The premier Institute of Mathematics pioneered by the legendary Mathematician C.S.Seshadri F.R.S in an effort to provide the best opportunities to the students for interactive studies and research in Mathematics. It is indeed a privilege that CMI has come forward with the scheme of scholar Exchange Programme with Netaji Subhas Open University.
- (ii) **M.S.Swaminathan Research Foundation, Chennai** under the initiative of eminent Agricultural Scientist Professor M.S. Swaminathan, Chairman of the Foundation for carrying out a programme for rural uplift by the application of ICT Techniques.
- (iii) **Rehabilitation Council of India** for B.Ed (Special Education) Course to serve the Disability Sector.
- (iv) **CARE Foundation** :
Netaji Subhas Open University in collaboration with CARE Foundation will launch the following courses from the academic year 2005-2006. The courses identified are :- (i) 3-year Physician Assistant Post Graduate Diploma Course, (ii) 3- year Nurse Hospital Administrator M.Sc. Course.
- (v) **3-year Cardiovascular Nursing Post graduate Diploma Course**
A MoU between Netaji Subhas Open University and CARE Foundation was signed on 09.12.2005 to start the courses at CARE Hospitals, Hyderabad.

Commissioning The Digital Reception system :

All arrangements have been made for commissioning the digital reception system in KU Band for downlinking Gyan Darshan educational T.V. Channel of India at our twelve study centres. Keeping pace with the advancement of the ICT in propagating and strengthening the ODL System, the venture will add to the activities of the University.

EDUSAT : The works relating to the installation and commissioning of VSAT for ISRO under EDUSAT Project has already been completed.

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Video Conferencing Facilities :

A video Conferencing Unit was installed at our Salt Lake Campus for facilitating the development of ODL through the virtual mode and helping this region catch up with the developments in virtual education taking place elsewhere in India and abroad. This network, expected to be widened soon will serve as a launch pad for future expansion and integration.

On- Line Bangla :

Netaji Subhas Open University in collaboration with the Central Institute of Indian languages, Mysore, launched its On-Line Bangla Course. This web based course designed for the virtual mode is carefully crafted to suit the varied needs of learners interested in learning Bangla Language not only in other parts of India but also in the huge Bengali diaspora abroad.

Interactive Radio counselling :

Apart from GYAN VANI F.M., NSOU broadcasts programmes on different subjects on the 4th Sunday of every month through All India Radio concentrating on the electric assortment of Awareness Programme, Support Services, Special programmes of National importance.

Seminars/Conferences/Memorial lectures :

As usual there has been a spate of activities, Seminars, Symposium, workshops, Conferences and Memorial lectures round the year. A few of these are illustrated in brief :-

Scholarship : Post graduate students and students studying vocational courses are entitled to SAF-Madanjit Singh scholarship on fulfillment of certain eligibility criteria.

5.12 THE WEST BENGAL UNIVERSITY OF TECHNOLOGY (2000)

The West Bengal University of Technology (WBUT) has entered in the eighth year of its functioning since it came into operation formally with the assumption of office of the first Vice-Chancellor in the month of January 15, 2001 as a sequel to the promulgation of THE WEST BENGAL UNIVERSITY OF TECHNOLOGY ACT, 2000, under the West Bengal Act XV of 2000 passed by the West Bengal Legislature.

The University has been functioning from BF-142, Sector-I, Salt Lake, Kolkata-700 064 as yet within an area of 45,000 sq. ft. and it aspires to create a modern campus on 40 acres of land at Haringhata on NH-34 allotted by Govt. of West Bengal. With a view to construct that much awaited campus, a professional team has been constituted to start the job there through the established process of tendering and selecting the best available architect. The survey work has already been completed and report has been submitted by the appointed surveyor. The construction of boundary wall and the soil testing of the proposed campus have already taken place.

VISION

The vision of the University is to provide an equal opportunity, affirmative action and not to distinguish on the basis of gender, caste, creed and religion. The University wants to grow nurturing innovative/novel ideas that would touch all segments of the society especially the marginalized ones. It looks at the technology from a broad social perspective and are organizing postgraduate courses in basic and applied sciences with interfaces to social sciences. The University has introduced new courses in emerging areas to develop, enhance and strengthen the country's position in research and higher education. The motto of the University is to strive for optimum utilization of resources and believe in unleashing individual initiative for entrepreneurial development without compromising the collective need.

The University is steadfastly proceeding towards its twin objectives :

- a) to serve as a Centre of Excellence in teaching and researching in technology and management area - and
- b) to provide framework of industrialization based on knowledge economy.

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MISSION OF THE UNIVERSITY

- To create awareness in key areas of environmental science, conservation of energy and resource, information technology and biotechnology;
- To organize continuing education programmes for updating the knowledge and skills of working professionals;
- To organize and other consultancy to industry and organizations' assistance;
- To undertake such other activities as may be necessary to fulfill the mission of sustaining the merging areas of Science and Technology.

In the academic year 2007-08 the University organized a reckonable number of Seminar and workshops both at regional and national level in the field of Basic Science, Engineering and Technology. The eminent scholars and educationists took part in those Seminars and Workshops. The "Dr. C.V. Raman Memorial Lecture" was delivered by Prof. Asis Datta, Director of National Institute of Plant Genome Research, New Delhi on 25th February,2008 at 11.30 am and 2nd "Acharya Jagadish Chandra Bose Memorial Lecture" was organized at the Auditorium of our University on 26th February,2008 at 4.00 pm" the lecture was delivered by Dr. Bikas Sanyal, an eminent educationist of International stature and the recipient of Legion of Honour, the most prestigious order of merit of the Republic of France.

To realize its mission of emerging as a Centre of Excellence the University has created three Schools of Studies viz. School of Information Technology (SIT), School of Biotechnology (SBT) and School of Management (SOM) comprising, presently, five departments, viz. Department of Information Technology, Department of Computer Science and Engineering, Department of Biotechnology, Department of Bioinformatics and Department of Natural Science, Humanities and Management.

The Schools formed in this University would function in the same style as the Schools in Jawaharlal Nehru University, New Delhi. The Directors of the Schools are taking steps to open up new departments in the Schools and the Departments are motivated to encourage inter-disciplinary research and teaching. All the departments enjoy full academic autonomy, and provide overall guidance in nurturing our ideas of development and help integrate discipline to provide new focus. The SIT offers B.E in IT as well M.Tech. in Software Engineering, ME in Computer Science and Engineering, ME in Information Technology. The SBT offers M. Tech. in Biotechnology (supported financially by Department of Biotechnology, Govt. of India), M. Tech. in Bioinformatics, Integrated Ph. D. Programme in Molecular Biology and Bioinformatics and Ph. D. Programms in emerging areas. The University also offers an

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Integrated Ph. D. programme in Physical Science and Chemical Science in collaboration with S. N. Bose Centre for Basic Sciences. The University is also offering M. Phil Programme in Material Science. The School of Management has initiated professional training courses in other countries for foreign students in collaboration with South Asian Management Technology (SAMT). M. Phil in Management has also recently been introduced.

SPECIAL FEATURES

The teaching staff of University includes, besides the core faculty, visiting faculty, adjunct faculty members and distinguished visitors from the industry and frontline academic and research institutes of the country and abroad.

The basic objective of the University shall be to organize undergraduate courses of study in Engineering and Technology, specially in emerging areas. The University in the academic year 2006-07 affiliated 105 institutions spread over in the 15 districts of the State of West Bengal. Postgraduate study and research is being carried out for the grooming of Scientists, Engineers and Technologists. In this venture our affiliates are our cherished partners. The University is continuously seek new partners in excellence be it industry or other institutions of higher learning. The University has intimate and collaborative linkages with national and international research institutes, universities and the industries.

The affiliated colleges enjoy financial autonomy from the beginning. They also enjoy substantial autonomy in academic matters. They can suggest establishment of elective papers, frame their syllabus and get it ratified by the University Academic Council at UG level. At PG level some of the selected colleges directly offer PG programmes.

MANPOWER POSITION :

Faculty (Sanctioned Posts)	– 34 Nos.
Present position (filled up)	– 28 ”
Officer (Sanctioned)	– 6 ”
Officer (filled up)	– 3 ”
Non-Teaching staff	– 55 ”
Non-Teaching staff (filled up)	– 43 ”

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EVALUATION :

In the academic year 2007-08 the results of even semester examination held in June'07 and for odd semester examination held in December'07 were as follows :

THE LIBRARY OF THE UNIVERSITY

The University has established a Digital Library in collaboration with L2C2 Technologies. It involved an upgradation of a Library Management software KOHA to a truly Digital Library Management Software. The Library remains open for 14 hours a day on weekdays and 12 hours on Saturdays, Sundays and Holidays. The 'Earn While You Learn' system is still in vogue for the students. Under this scheme the students can earn @ Rs. 50 per hour for a maximum of 25 hours in a month. The Library has now in its possession the following number of title books , e-books, e-journals and journals. The details are as under :

1) Total no. of Books in the Library	-	11095	Nos.
2) Total titles of Books	-	4,516	"
3) e-books	-	13,785	"
4) e-journals	-	8782	"
5) Journals	-	117	"
6) Total termina	-	20	"
7) Server (Functional)	-	05	"

SCHOOL OF INFORMATION TECHNOLOGY

The School of Information Technology consists of the twin departments of Computer Science & Engineering and Information Technology.

The Department of Information Technology: This department is offering an undergraduate course leading to B.E. Degree in Information Technology and two Post Graduate Course as follows :

1. M. E. in Information Technology
2. M. Tech. in Software Engineering

The Department of Computer Science & Engineering : The department is presently conducting two Post Graduate Courses as follows :

1. M.E. in Computer Science & Engineering.
2. M.Tech in Microelectronics & VLSI

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The School of Information Technology offers Ph. D. Programms in various areas of Information Technology and Computer Science & Engineering.

ON GOING PROJECT UNDER COMPUTER SC. & ENGINEERING DEPTT.

"Bangla Online Handwriting Recognition System", the aim of the project is to develop a general system for Recognition Online Bangla Hand printed and cursive text. It is sponsored by AICTE under RPS(a),for two years started at March 07. Project fund- Rs. 2.20 lakhs.

WBUT's future plan :

In future, regular classes will be organized at WBUT teaching end. This classes may include lectures delivered by eminent scientists,classes for teachers training,classes on different subjects based on the requirement of colleges.

Planning for EDUSAT utilization phase is going on at this moment. This also includes planning for content development and other related activities.

It will be a great achievement if WBUT and its colleges will be able to utilize the EDUSAT regional beam network effectively.

SCHOOL OF BIOTECHNOLOGY

The School of Biotechnology consists of two departments viz. the Department of Bioinformatics and the Department of Biotechnology. This school has several teaching programmes viz.

1. M. Tech. in Biotechnology
2. M. Tech. in Bioinformatics
3. Post -B.Sc. Integrated Ph. D. in Bioinformatics
4. Post -B. Sc. Integrated Ph. D. in Molecular Biology
5. Post- B.Sc. Integrated Ph. D. in Microbiology
6. Post- B.Sc. Integrated Ph. D. in Biophysics

DEPARTMENT OF BIOINFORMATICS

WBUT has realized the need for introducing teaching and research programme in bioinformatics in addition to the biotechnology programme. The Dept. of Bioinformatics was founded in the year 2005. In fact the University is already running four semester M.Tech. as well as five-year Post B.Sc. Integrated Ph. D. Programs in Bio-informatics. A Credit Exchange Programme has been initiated

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with Bioinformatics Centre, University of Pune, a COE under DBT, New Delhi. We are also the DBT nodal centre for Eastern Region and have held the National eligibility test for Bioinfo-NET (rechristened BINC).

LIST OF SOME ONGOING RESEARCH PROJECTS

1. Design of ‘anion recognition’ short peptide motifs: an approach towards designing ‘model scaffolds’ for binding” by Department of Biotechnology Ministry of Science & Technology (2007): Dr. Raja Banerjee (Rs.23.73 lakhs)
2. Studies on nanocrystal formation in microbes undergoing Heavy ion irradiation. Funding is from IUAC-UGC. 1.94 Lac plus travel and DA expense for three persons in actuals. Staff: Ms. Poulomi Nandy (JRF)

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was established in 2003 with a view to develop a Centre of Excellence for education and research in biotechnology. In so doing, a four-semester AICTE – approved M.Tech. Programme in Biotechnology was started with students qualifying in the All-India level Joint Entrance Examination (JEE) conducted by Jawaharlal Nehru University, New Delhi. In fact the M. Tech. programmes in biotechnology at WBUT and at Anna University, Chennai are the only two programmes in the country supported by the Department of Biotechnology, Govt. of India. The department also runs a post- B.Sc. five-year Integrated Ph. D. program in Molecular Biology- students admitted are eligible for award of a University Fellowship of Rs. 4000/- per month (subject to certain Conditions). The department has excellent laboratory infrastructure in all the major areas of biotechnology and molecular biology.

SCHOOL OF MANAGEMENT FOR ADVANCE STUDIES AND RESEARCH

The School of Management (SOM) has been set up by WBUT as a Centre for Advanced Studies and Research in Management. This school presently consists of the Department of Natural Sciences, Humanities and Management.

SOM propose to address the urgent need for a programme to develop and train management faculty in affiliated colleges by offering an Integrated Doctoral Programme in Management (M. Phil./ Ph. D.) and a Ph. D. Programme in Management.

Specifically keeping the management faculty in mind SOM will also offer refresher courses, workshops and seminars on a regular basis. Through these efforts, SOM will cultivated research activities in the area of management with a conscious effort develop an interdisciplinary approach. The link with

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industry will be maintained through regular consultancy services which will be offered by SOM to the corporate sector. Hence the activities of SOMK will benefit both the academic and corporate sector alike.

While designing courses, keeping in mind the technological thrust of WBUT, SOM will offer programmes specifically geared towards the management of technology. A parallel focus will be on the diffusion of technology and management principles in the small scale sector of the Indian economy to encourage and facilitate the growth of entrepreneurship. To this end, SOM will also offer programmes for training of NGOs involved in social activities. The school plans to undertake projects of contemporary interest and issues and reach out to various segments of our society and be part of the vital link between technology and societal needs.

SoM, WBUT in collaboration with South Asian Management Technologies (P) Ltd., has been offering certificate courses, currently in the areas of finance, banking, IT and management for executives and practicing professionals. Upon successful completion of the courses, the participants gain credit points. Accumulation of a certain number of credit points entitle the participants to a Post-Graduate Diploma to be awarded by WBUT. The courses are offered internationally; at the initial stage the focus is on SAARC, South & South-east Asian countries

An M. Tech Programme in Industrial Engineering and Management programme is scheduled to be launched under SoM

Some special features of the programme include product modeling and techno-entrepreneurship

Natural Science and Humanities are also part of the activities of this department. Besides research activities pursued by individual faculty, the department has several teaching programmes. Faculty of this department take part in teaching in present B. Tech and M. Tech Programmes. Two post B. Sc. Integrated Ph. D. Programmes in Physics and Chemistry are being conducted in this nodal centre, S. N. Bose Centre for Basic Sciences. Student are admitted into the Physics course through the national level JEST examination. So far, 5 students have registered for Ph. D. in Physics. In the next five years the department will work on the improvement of these courses. WBUT has also started a one year M. Phil course on "Material Science" from this academic year 2006-07 because of the importance of material science in the present day industrial environment throughout the world. The course will stress on the theory of polymer, ceramics and nano-materials and will also have laboratory experiments as well as research. The department has a plant to start a study centre in Chaos, Non-linearity and Complexity. A web page has been put up as a start www.wbutccr.org and experts are being contacted. Since the department has the relevant expertise, M. Tech. courses in Polymer and Material Science will be developed and research will be pursued in collaboration with other institutes.

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Besides the website www.wbut.net the following websites for the specific field have been opened.

www.jemat.org

www.wbutcollegeinfo.org

www.wbutekta.org

www.wbutcet.org

www.wbutappraisal.org

www.wbutreview.org

www.wbutquestionbank.org

www.wbutcourse-affiliation.org

www.wbutccr.org

www.wbutregistration.org

www.wbutconvocation.org

EKTA INCUBATION CENTRE

RATIONAL FOR SETTING UP A TECHNOLOGY BUSINESS INCUBATOR – (TBI)

Ekta Incubation centre as a part of West Bengal University of Technology is the first of its kind in the region. Other than this there are similar bodies under the umbrella of Institutes like IIT \, Kharagpur. It was set up in 1st December 2005 in the second campus of WBUT situated at Sector V of Salt Lake City. This centre proposes to build on competencies of its own resources and those of networked incubator Entrepreneurship Development Cell (EDC) at St. Xavier's College, Kolkata.

5.13 THE BENGAL ENGINEERING AND SCIENCE UNIVERSITY, (2004)

Genesis

Established way back in 1856, as the Civil Engineering College, Calcutta; renamed as 'Bengal. Engineering College' in 1921 and elevated to the status of a 'Deemed University' in 1992; the University with its present name as 'Bengal Engineering and Science University, Shibpur' has come into being with effect from October 1, 2004. With a presence of nearly 150 years, it is considered to be one of the pioneers of engineering education in India;

The University is located in a sylvan surrounding in the district of Howrah, on the bank of the river Hooghly and is adjacent to the famous Indian Botanic Garden. It is only a few minutes drive to the heart of Kolkata through the Vidyasagar Setu.

Academic Programmes

UG Programmes

The University offers UG programmes leading to B.E/B.Arch. degrees in nine branches namely Architecture, Civil Engineering, Computer Science & Technology; Electrical Engineering, Electronics & Tele-Communication Engineering, Information Technology, Mechanical Engineering, Metallurgical Engineering and Mining Engineering. Admission to UG programmes, is based on W. B. Joint Entrance Examination, Recently, a BBA programme has also been introduced.

PG Programmes

The University has the distinction of being the first institute to offer postgraduate degrees in various branches of engineering since 1953. The following postgraduate programmes are offered at present :

- Master's of Engineering/Technology in Civil, Electrical, Mechanical, Metallurgy; Computer Science and Technology, IT, Electronics and Telecommunication, Engineering Mechanics, Mining, Materials Engineering
- Master's in Town and Regional Planning (MTRP)
- Master's in Computer Application (MCA)
- Master's in Business Administration (MBA)
- Part time PG programme in Civil Engineering in specialized fields and Industrial Metallurgy
- Full time M.Sc programmes in Applied Physics, Applied Chemistry; Applied Mathematics and Applied Geology

Different Departments of the University with the courses at UG/PG/PG Diploma level and no of Seats available to each of the courses :

Sl. No.	Departments	UG	Intake Capacity	PG	Intake Capacity	PG Diploma	Intake Capacity
1.	CE	UG	90	CE	46		
2.	ME	"	65	ME	31		
3.	EE	"	60	EE	24		
4.	ETC	"	60	ETC	12		
5.	MET	"	30	MET	19		

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6.	MIN	"	30	MIN	18		
7.	CST	"	60	CST	16		
8.	IT	"	60	M. Tech (IT)	40		
9.	B.Arch	"	24	M.T.R.P.	16		
10.	Applied Mechanics	-	-	Engg. Machanics	18		
11.	M.N.D, School of Material Science	-	-	M. Tech (Material Science)	18		
12.	Civil Engg.	-	-	Geo-Tech Engg	13		
13.	Civil Engg.	-	-	Structural Engg	13		
14.	Civil Engg.	-	-	Environment Engineering	13		
15.	Civil Engg.	-	-	Transport Engg	13		
16.	School of Community Sc. & Technology			Food Processing and Nutrition Science	25		
17.	Metallurgy Dept.	-	-	Industrial Metallurgy	18		
17 (A)	Information Technology	-	-	Information & Communication Engineering (ME)	18		
18.	CST	-	-	MCA	30		
19.	School of Management Science	-	-	MBA	120		
20.	Mechanical Engg. Dept.	-	-	Safety & Occupational Health Engg.	40		
21.	Information Technology	-	-	M. Tech (VLSI Design)	12		
22.	Physics	-	-	Physics	25		
23.	Chemistry	-	-	Chemistry	25		
24.	Mathematics	-	-	Mathematics	25		
25.	Geology	-	-	Geology	25		
26.	Purabi Das School of Information Technology	-	-	Bio-informatics	20		
27.		-	-	Mechatronics	20+10 (CSIR Sponsor)		

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The following autonomous schools have already been established to facilitate interdisciplinary PG activities :

- ❖ Purabi Das School of Information Technology
- ❖ School of Management Sciences
- ❖ Dr. M.N. Dastur School of Materials Science and Engineering
- ❖ School of Community Science and Technology

Ph.D. Programmes

Doctoral programmes have been an integral part of the University since 1954. With the institute's upgradation to University status, these are being further strengthened with increase in number of Fellowships.

Funded Research

R&D activities in the institute are financed by different national and international agencies. The major funding agencies include AICTE, DST, CSIR, DRDO, INTEL, NASA-USA and World Bank to name a few. The institute has always contributed to community technology development. Innovative research works done in-house have already led to the procurement of several patents.

Cutting edge research

Besides conventional fields, the University has brought many frontier areas of Science & Technology under the purview of its research activity in recent years, Some such areas are : VLSI and Embedded Systems. Nano science and Technology, Disaster Engineering, Cellular Automata, Bio-Mechanics, Fuel Cell Technology; Intelligent Motion Control etc.

COLLABORATION WITH FOREIGN UNIVERSITIES

Initiation of collaborative research programmes with a few International Institutions are as follows :

- University of Toronto, Italy: Studies on Opto-electronics, Photonics and electronic properties of nano structured silicon.
- University of cambridge, UK & Helsinki University of Technology, Finland: Application of soft computing in Material Science & Engineering and creation of centre of Excellence.
- Abo Akademi University, Finland: Collaborative support on Ph. D research in the area of materials modeling.
- University of Windsor, Canada: Collaborative research on advance Automobile Engineering, Materials Engineering, Signals and control and creation of centre of excellence in Automobile Engineering.

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- University of New South Wales, Australia: Collaborative research and participation in the AISFR on the area of new generation nano composite.
- University of Ballart, Australia : Advanced manufacturing processes in mining machinery.

Important programmes and achievements 2008-09

- 15th West Bengal State Science and Technological Congress was jointly organized by Science and Technology Council and Department and Bengal Engineering and Science University, Shibpur during 28th and 29th February 2008.
- Bengal Engineering and Science University Women Studies and Research Cell and School of Community Science and Technology observed “*International Women’s day*” and inauguration of University Canteen maintained by Women Self help Group on 10th March, 2008.
- Second phase of the training under National Programme for Capacity Building of Engineers in Earthquake Risk Management on Monday March 24, 2008 was organized by Civil Engineering, Dept. of BESU.

5.14 TOTAL NO OF POSTS SANCTIONED BY THE UGC FOR THE 10TH PLAN AND APPROVED BY THE STATE GOVERNMENT (SYNOPSIS)

Institute	Prof.	Reader	Lecturer	Total
1. Calcutta University	–	–	1	1
2. Jadavpur University	1	–	17	18
3. Burdwan University	3	1	–	4
4. Kalyani University	1	2	4	7
5. Rabindra Bharati University	–	–	5	5
6. North Bengal University	–	3	7	10
7. Vidyasagar University	–	–	22	22
8. Bengal Engineering & Science University	–	2	2	4
TOTAL	5	8	58	71

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OTHER UNIVERSITIES

- 6.1. *Other State aided Universities in West Bengal***
- 6.2. *Central Universities in West Bengal***
- 6.3. *Institutes of Importance***

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OTHER UNIVERSITIES

6.1 OTHER UNIVERSITIES IN WEST BENGAL

6.1.1 BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

P.O. Krishi Viswavidyalaya, Mohanpur, Nadia, Pin-741252.

Ph. 033-2587-9772, 03473-222666, E-mail : vcbckv@vsnl.net

The university established in 1974, has completed three decades of its existence as the pioneer institute of Agricultural Education, Research and Extension. The main objective of this Viswavidyalaya is to provide facilities for the study of Agriculture, Horticulture and Agricultural Engineering. It is also to conduct researches in these sciences and undertake the educational and extension programmes in agriculture among the rural clientele base, keeping in view the requirements of the state.

Allotment of Seats in different Under Graduate Courses

Course	Total Intake
B.Sc. (Agriculture) Hons.	100
B.Sc. (Horticulture) Hons.	20
B. Tech. (Agril. Engg)	20

6.1.2 UTTAR BANGA KRISHI VISWAVIDYALAYA

P .O. Pundibari, Dist - Cooch Behar

West Bengal-736165 Ph. 03582-270141/249

The Uttar Banga Krishi Viswavidyalaya (UBKV) is a new-born Agricultural University in West Bengal. It has come into existence at Pundibari, 16 k.m. away from the Cooch Behar district head quarter on 1st February, 2001. Since 1979, an Educational and Research establishment had been operative at Pundibari under Bidhan Chandra Krishi Viswavidyalaya as a part of its constituent units. The University has been given responsibility for teaching, research and extension education in different branches of agriculture, horticulture, forestry , tea and allied science for creating qualified technical manpower and new technologies to the State Government in order to help the farmers towards increasing agricultural production and improving their economic conditions. The University has Regional Research Station/ Sub-stations at Kalimpong, Dalapchand, Pedong of Darjeeling district, Majhian of Dakshin Dinajpur district, Manikchak and Ratua of Malda district, Kharibari of Siliguri sub-division of Darjeeling district and at Pundibari of Cooch Behar district.

OTHER UNIVERSITIES

Academic programmes in the University, both at U.G., P.G. and Doctoral levels are conducted here. Instructional programmes in the University are being operated under Faculty of Agriculture and Horticulture. Besides, there have also been provisions of conducting inter-institutional, inter-disciplinary postgraduate level instruction and advanced research under nine centres of advanced studies.

The Faculty of Agriculture comprises of ten Departments namely, Agronomy, Agril. Chemistry & Soil Science, Genetics & Plant Breeding, Agril. Statistics, Agril. Economics, Agril. Extension, Agril. Entomology, Plant Pathology, Plant Physiology and Biochemistry. The Faculty of Horticulture comprises of five Departments namely, Pomology and Post Harvest Technology, Vegetable & Spice Crops, Plantation Crops & Processing which includes Tea Science and Technology, Floriculture and Aromatic & Medicinal Plants and Forestry.

6.1.3 WEST BENGAL UNIVERSITY OF ANIMAL AND FISHERY SCIENCES

37 & 68, Khudiram Bose Sarani, Belgachia, Kolkata 700 037

Phone : 2556-5021

Date of establishment : 2-1-1995.

(Under the West Bengal University of Animal Science and Fishery Science Act, 1995)

The University is located in the old Bengal Veterinary College Campus on either side of Kudhram Bose Sarani in Belgachia. The arching entrance looks imperial and successfully conveys the impression that the university is rich in history and tradition.

FACULTIES

Faculty of Veterinary and Animal Sciences.

Faculty of Dairy Technology.

Faculty of Fishery Science.

Degree	Seats	Duration
(a) Bachelor of Veterinary Science (B.V. Sc. & A.H.)	102	5 years integrated course with 6 months internship training.
(b) M.V. Sc. & A.H.	108	2 years (course credit-system)
(c) Ph. D.	29	2 years (course credit-system)
(a) B. Tech. (D.T.)	31	4 years integrated course including 6 months in plant training.
(b) M. Tech. (D.T.)/M.Sc. (Dairy)	27	2 years (course credit system)
(c) Ph. D.	6	2 years (course credit system)
B. F. Sc.	31	4 years integrated course including 6 months farmhouse training.

6.1.4 THE WEST BENGAL NATIONAL UNIVERSITY OF JURIDICAL SCIENCE

Aranya Bhavan, 10A, LA Block, Sector III, Salt Lake City, Kolkata - 700098

Ph : 2335- 0534 / 7379

FAX : 033 - 2335 - 7422

The West Bengal National University of Juridical Sciences came into existence in August 1999 under Act IX of 1999 passed by the West Bengal Assembly. The University commenced its academic programmes from 1st June, 2000.

Activities during the year :

The National University of Juridical Sciences organized its very first Literary, Sporting and Cultural Festival. This fest, the culmination of almost two whole years of hard work, was one of the foremost agendas of this year's Executive Committee.

Courses available

Course	Eligibility criteria	Duration
B.A./B.Sc LL.B.(Hons.) Programme	Passed (10+2) in any stream with at least 50% marks in aggregate and 35% marks in English & other core subject	5 years.
LL.M. Programme	Passed LL.B. with 50% marks in aggregate	2 years
M.Phil Programme	Passed LL.M. with 50% marks in aggregate	1 year
Doctor of Philosophy Programme (PHD)	M. Phil degree in the same subject as the one in which the candidate proposes to pursue her/his doctoral research.	Maximum of 5 years
Doctor of Laws Programme (LL.D)	M.Phil Degree in Law from any recognized University or a LL.M degree from a recognized University along with ten years experience in teaching law in a University/College/Institution of national importance or a LL.M degree from a recognized University together with a Ph.D degree in a law-related subject.	Maximum of 7 years
Certificate Course on human Rights Law	(10+2+3) in any discipline from a recognized University.	45 days

Note : This University does not have any distant mode of education.

OTHER UNIVERSITIES

Research Activities

The Research Activities are mainly done in the field of Law, viz. Criminal Law, Business Law & International Law.

WTO AND THE THIRD WORLD

The Centre had its second programme in February 2006 when along with the Society of international Law and Politics organized a seminar on “Revisiting the Third World Perspective on the Completion of a Decade Long Institutionalized World Trading System” at the University. Prof. Mrityunjoy Mohanty, Indian Institute of Management, Calcutta chaired the seminar, while Ms. Sheela Rai, Lecturer, West Bengal National University of Juridical Sciences and two students namely Mr. Siddharth Sinha and Mr. Rahul Chatterji presented papers.

6.1.5 THE WEST BENGAL UNIVERSITY OF HEALTH SCIENCES

DD-36, Sector-1, Salt Lake, Kolkata-700 064

Year of establishment : 2002

Phone No. 2321-5389, Fax : 2358-0100

In pursuance of The West Bengal University of Health Sciences Act, 2002 (West Bengal Act XIII of 2002) this University was established in the year of 2002 and started functioning on the 1st Day of January, 2003 at DD-36, Sector-I, Salt Lake, Kolkata-700 064.

MISSION

The State Government notified the establishment of the University for the purpose of affiliating, teaching, ensuring proper and systematic instruction, training in Modern system of Medicine, Homoeopathic system of Medicine, Ayurvedic system of Medicine, Unani system of Medicine, Nursing Education, Pharmacy Education, Dental Education, Education on Laboratory Technology, Physiotherapy, Speech Therapy and Education on other Paramedical courses. This University will act as a specialized autonomous institution with the objective to promote academic freedom, scholarship for teachers as well as for the students and to foster and develop an intellectual climate conducive to the pursuit of scholarship and excellence, either independently or jointly with other centers of excellence of higher learning.

JURISDICTION

In terms of the provisions of the Act, all colleges, institutions and educational centres of Health Sciences in the State of West Bengal previously admitted to the privileges of or affiliated to the

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University of Calcutta, the University of Burdwan, the University of North Bengal, the University of Kalyani, the Vidyasagar University, the Jadavpur University, the Rabindra Bharati University, the Viswa Bharati University or any other government recognized university, council or affiliating body, shall be deemed to be admitted to the privileges of or affiliated to this University with effect from the date so notified.

Accordingly all the medical colleges/institutions and the centres imparting courses relating to health sciences have been brought under one umbrella of this University. The undergraduate Medical/Dental/Pharmacy/Nursing colleges have been included from the academic year 2003. The Post graduate Medical, Dental and Nursing courses and Post Doctoral Medical courses have also been brought under the privilege/affiliation of this University from the academic year 2004.

Moreover, all the colleges/institutions imparting Homoeopathic, Ayurvedic, Unani and paramedical courses have also been brought under the affiliation of this University from 2004 academic year. A full list of the institutions/colleges presently running under this University has been detailed later.

ADMISSION

Admission to various University affiliated courses are conducted by the Joint Entrance Examinations or other Statutory Body of the Government of West Bengal for undergraduate courses i.e. M.B.B.S., B.D.S., B. Pharm, B.Sc. Nursing, B. Sc. Physiotherapy, BASLP, B.O.T., etc. The University conducts its own Examinations for admission in Postgraduate courses, Post Doctoral courses from the year 2004 i.e. MD/MS, PG Diploma, MDS, DM, M.Ch., M. Sc. Nursing, MD (Ayurved) etc. Rules for conducting Ph.D. on different Health Sciences subjects are also being framed shortly.

Academic and other activities during the year :

1. The University has been conducting examinations for admission in Postgraduate degree/ Diploma course, MDS, M.Sc. Nursing, 6 years M.Ch. (Neuro-Surgery) and regular DM, M.Ch. courses and M.D. (Ayurveda) course.
2. The University has already successfully conducted 1st Professional M.B.B.S., 1st Year M.Sc. Nursing, 1st & 2nd Semester B. Pharm and other required examinations strictly following the time schedules.
3. The University has already formulated its own Rules, Regulations and Syllabus for M.B.B.S./ B.D.S./B. Pharm/B.Sc. Nursing courses. The Rules, Regulations and Syllabus for the remaining courses are under process which is expected to be settled shortly.

OTHER UNIVERSITIES

4. The University is in search of big area nearby Salt Lake, to construct University Campus.
5. An APEX BODY for the University has been formed with the nominees of the Ministry of Health & F. W., Govt. of India, Medical Council of India, University Grants Commission and I.C.M.R., New Delhi. The 1st meeting of the Apex Body has also been held in the campus of the University.
6. The University has already conducted as many as 22 examinations in connection with different Health Sciences and is prepared to conduct the year 2006
7. The University has already developed meaningful IT system for conducting its activities as and when required.
8. In fine, the University will always try to attain the highest standards of academic excellence by providing the physical infrastructure and creating an eclectic intellectual environment conducive to free flow of knowledge, ideas and meaningful exchange of information.

List of Colleges affiliated with the University			
Sl. No.	Name of College / Institution	Subject	Intake Capacity
1.	Medical College, Kolkata	M.B.B.S.	155
2.	NRS Medical College, Kolkata	-do-	150
3.	R. G. Kar Medical College, Kolkata	-do-	150
4.	Calcutta National Medical College, Kolkata	-do-	155
5.	Institute of Postgraduate Medical Education & Research, Kolkata	-do-	100
6.	Burdwan Medical College, Burdwan	-do-	100
7.	Midnapore Medical College, Midnapore	-do-	100
8.	Bankura Sammilani M. College, Bankura	-do-	100
9.	North Bengal Medical College, Darjeeling	-do-	100
10.	KPC	Total :	1110
List of Post Graduate Institution :			
1.	Institute of Post Graduate Medical Education & Research, Kolkata		
2.	Bangur Institute of Neurology, Kolkata		
3.	School of Tropical Medicine, Kolkata		
4.	Regional Institute of Ophthalmology, Kolkata		

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5.	Chittaranjan Seva Sadan Sishu Sadan & College of Obst. & Gynae., Kolkata	
6.	Institute of Child Health, Kolkata	
7.	All India Institute of Hygiene & Public Health, Kolkata	
8.	Beliaghata ID & BG Hospital, Kolkata	
9.	Vivekananda Institute of Medical Sciences, Kolkata	
Total Yearly Intake Capacity : 650		
Name of College / Institution		Subject
Intake Capacity		
List of Dental College :		
Dr. R. Ahmed Dental College, Kolkata		BDS
North Bengal Dental College, Darjeeling		-do-
Gurunanak Institute of Dental College & Research, Panihati		-do-
Haldia		Total : 270
List of B. Pharm College :		
Institute of Pharmacy, Jalpaiguri		B. Pharm
List of Nursing College (B. Sc.) :		
W. B. Govt. College of Nursing		B. Sc. Nursing
B. M. Birla College of Nursing		-do-
Haldia		Total : 50
List of Nursing College (M. Sc.) :		
W. B. Govt. College of Nursing		M. Sc. Nursing
B. M. Birla College of Nursing		-do-
Haldia		Total : 20
List of Physiotherapy College :		
School of Physical Medicine, IPGME&R		B. Sc. Physiotherapy
National Inst. of Orthopaedically Handicapped, Kolkata		-do-
Nopany Institute of Healthcare Studies, Kolkata		-do-
MRCC College of Orthopaedics, Midnapore		-do-
Midnapore College of Physiotherapy		-do-
Durgapur Paramedical Institute		-do-

OTHER UNIVERSITIES

College of Paramedical Sciences, Haldia	-do-	40
Ali Yabar Jung National Institute of Hearing Handicapped, Kolkata	B.A.S.L.P.	20
Total :		270
List of Homoeopathy College :		
Calcutta Homoeopathic Medical College & Hospital (GWB)	Homoeopathy	50
D. N. De Homoeopathic Medical College & Hospital (GWB)	-do-	50
Mahesh Bhattacherya Homoeopathic Medical College & Hospital (GWB)	-do-	50
Midnapore Homoeopathic Medical College & Hospital (GWB)	-do-	50
Metropolitan Homoeopathic Medical College & Hospital	-do-	50
National Institute of Homoeopathy	-do-	50
Pratap Chandra Memorial Homoeopathic Hospital & College	-do-	50
Netai Charan Chakraborty Homoeopathic Medical College & Hospital	-do-	50
Burdwan Homoeopathic Medical College & Hospital	-do-	50
Bengal Homoeopathic Medical College & Hospital	-do-	50
Kharagpur Homoeopathic Medical College & Hospital	-do-	50
Purulia Homoeopathic Medical College & Hospital	-do-	50
Birbhum Vivekananda Homoeopathic Medical College & Hospital	-do-	50
Total :		650

List of Ayurvedic College :

1. Institute of Post Graduate Ayurvedic Education & Research, Kolkata
2. J. B. Roy State Ayurvedic Medical College & Hospital, Kolkata
3. Rajib Gandhi Memorial Ayurvedic Medical College & Hospital, Fingapara, 24-Pgs.

List of Unani College :

1. Calcutta Unani Medical College.

6.1.6 RAMKRISHNA MISSION VIVEKANANDA EDUCATION AND RESEARCH INSTITUTE (RKMVERI) (DEEMED UNIVERSITY)

(Deemed University under UGC Act)

P.O. Belur Math, Dt. Howrah, Pin – 711202,

Telefax : 033-26549999; Mobile : 98302-16636

E-mail : rkmveri@gmail.com, atmapriyananda@gmail.com

Ramakrishna Mission Vivekananda Educational and Research Institute has been established as a self financing Deemed to be university, the first of its kind in West Bengal. This university under Ramakrishna Mission's aegis forms in a sense the actualization of Swami Vivekananda's vision about a university at Belur. Swami Vivekananda wanted a unique type of Educational Institute that would combine the best elements of the East and the West and impart such an education that would be character-building at the individual level and at the collective level help the enormous task of nation-building. The sincere efforts initiated by Ramakrishna Mission during Swami Vivekananda's birth centenary in 1963 culminated in the creation of a deemed university in 2005.

This new university bearing the name of Swami Vivekananda will focus on certain thrust areas which are generally the 'gap areas' in conventional universities in the country.

Some of these thrust areas are :

- (1) Disability Management and Special Education (that would train teachers to manage visually impaired, mentally retarded and hearing impaired children and adults through teacher-training courses and research),
- (2) Integrated Rural Development including Tribal Development (which would strive to achieve all round development for the rural and tribal people by imparting education in areas like integrated pest management, agro-based and appropriate bio-technology, etc.),
- (3) Disaster Management (including pre- and post-disaster management techniques),
- (4) Indian Cultural and Spiritual Heritage including Value Education (which would expose and sensitize our youth and adults to the eternal values enshrined in our heritage with a view to educating them in liberal, non- sectarian, non-dogmatic principles and doctrines conducive to peace, harmony, love, mutual respect and fellow-feeling).

While the central administrative office that would monitor and regulate the programmes will be situated in West Bengal at Belur Math in the district of Howrah, the university will operate and function in the matter of running the various courses etc through the different centres of Ramakrishna Mission spread over the country, all of them being under the regulatory control of Belur Math headquarters.

OTHER UNIVERSITIES

In addition to the above, the university has initiated research programmes in certain non-conventional areas like Ramakrishna-Vivekananda philosophy, Translation Studies, Vedanta vis-a-vis modern science, etc on the one hand, and in hard core fundamental sciences like theoretical physics, pure mathematics and theoretical computer science on the other.

6.2 CENTRAL UNIVERSITIES IN WEST BENGAL

6.2.1 VISVA-BHARATI

Santiniketan, Dist.-Birbhum, Pin-731235

Year of establishment : 1951 (as a Central University)

This institution was started by Maharshi Debendranath Tagore in the form of an 'ashrama' in 1863. Rabindranath Tagore started a 'Brahmacharya Ashrama' here in 1901. On December 23, 1921 Visva-Bharati became a registered public body with a constitution of its own. In May 1951 Visva-Bharati was declared to be a Central University and an Institution of National Importance. It conducts courses in arts, fine arts, science, agriculture, education, etc. It is also a centre for research on works and ideas of Rabindranath Tagore.

CHARACTER

A unitary teaching and residential university ;

Academic session—1 July to 30 June ;

Medium of instruction—Bengali (School). English (University) ;

Academic privileges to foreign students ;

Research fellowship programme for foreign students ;

Classes often held in open air ;

A centre for realising both the external and internal features of India and fusion of Oriental and Western cultures.

CURRICULUM

Originally a repudiation of the colonial system of education—an unconventional University with unconventional curriculum having joyful, artistic, creative expression in an environment of music, painting and dramatic performances in consonance with Nature.

FACULTIES AND INSTITUTIONS

Vidya Bhavana (Institute of Humanities)
Siksha Bhavana (Institute of Science)
Kala Bhavana (Institute of Fine Arts)
Sangeet Bhavana (Institute of Music, Dance and Drama)
Rabindra Bhavana (Institute of Tagore Studies, Museums and Archives)
Vinay Bhavana (Institute of Education)
Palli Sangathana Vibhaga (Institute of Rural Reconstruction)
Palli Siksha Bhavana (Institute of Agricultural Science)
Patha Bhavana (Institute of Secondary Education)
Siksha Satra (Institute of Secondary Education)
Uttar Siksha Sadana (Institute for Higher Secondary Education)
Siksha Charcha, (Primary Teacher's Training Centre)
Agro-Economic Research Centre.

VIDYA BHAVANA

B.A. (Hons.) – Three year.

Subjects : Ancient Indian History, Culture & Archaeology, Bengali, Economics, English, Geography, Hindi, History, Mathematics, Oriya, Philosophy, Comparative Religion and Sanskrit.
Course in Tagore Studies (compulsory for all).

Chinese course — (Hons.) Four year.

M.A. — Two year.

Subjects : all B.A. (Hons.) Subjects, Chinese and Indo-Tibetan studies.

Two year Certificate Course

Subjects : Bengali, Santhali, Assamese, Oriya, Hindi, Tamil, Marathi ; Sanskrit, Pali, Arabic, Persian, Urdu, Chinese, Japanese, Tibetan, German, Russian, Italian and French.

One-Year Diploma Course

Subjects : Same as in Two-year certificate course.

One-Year Advanced Diploma Course

Subjects : Tibetan and Russian.

One-year Certificate Course for foreign casual students.

Ph.D. Programmes.

OTHER UNIVERSITIES

SIKSHA BHAVANA

B. Sc. (Hons)–Three year.

Subjects: Physics, Chemistry, Mathematics, Botany, Zoology and Bio-technology.

M.Sc. – Two year.

Subjects : all B.Sc. (Hons.) Subjects.

One-year Post-Graduate Diploma in Computer Science and Applications. Ph.D.

KALA BHAVANA

Five-year U.G. Courses (B. Fine Arts Degree) in Painting, Sculpture, Design, Graphic Art and History of Art.

Five-Year Diploma Courses (Dip. in Fine Arts and Crafts) in Painting, Sculpture, Graphic Art or Design.

Two-year P.G. Courses (M. Fine Arts) in Painting, Sculpture, Graphic Art and History of Art.

Two-year P. G. Courses (P.G. Dip.) in Painting, Sculpture and Graphic Art (Print making).

Two-year Certificate in Design.

One-year Foreign Casual Students' Course in Indian Art.

Ph. D.

SANGEET BHAVANA

Four-year U. G. Courses (B. Mus. Degree) in Rabindra Sangeet, Dance, Hindusthani Classical Music (Vocal) and Hindusthani Classical Music (Instrumental).

Four-year Diploma Courses in Music and Dance, Rabindra Sangeet, Hindusthani Classical Musical (Vocal and Instrumental).

Two- year P. G. Courses (M. Mus. Degree) in the same subjects as in (i).

Four-year Senior Certificate Courses in the same subjects as in (i).

Two- year part-time Courses in Hindusthani Classical (Vocal/Instrumental), Rabindra Sangeet, Manipuri Dance and Kathakali Dance.

One-year Foreign Student's course in the same subjects as in (i).

RABINDRA BHAVANA

Treasure-house of manuscripts of Rabindranath Tagore ; Papers of Tagore family ; a collection of Paintings and Sketches by the poet and a few others; a research centre for Tagore Studies.

VINAY BHAVANA

A Teachers' Training Centre.

B.Ed.-One year.

M.Ed.-One year.

Ph.D.

Extension service.

PALLI SIKSHA BHAVANA

B. Sc. (Ag.) in Agricultural Sciences – 4 year.

M. Sc. (Ag.) in Agricultural Sciences – 2 year.

Ph.D.

PALLI SANGATHANA VIBHAGA

B.S. W. – Three year.

M.S.W. – Two year.

Ph. D.

6.2.2 IGNOU (Indira Gandhi National Open University)

6.2.2.1 A NEW CONCEPT

The concept of an open University is an important innovation of the last century. It aims to bring about revolutionary changes in the system of learning through DISTANCE EDUCATION.

The first open University ('The Open University') was established in England in 1969.

IGNOU was established by an Act of Parliament in 1985 to achieve the following objectives :

- To democratise higher education by taking it to the doorsteps of the students.
- To provide access to high quality education to all those who seek it irrespective of age, religion or formal qualification.
- To offer need-based academic programmes by giving professional and vocational orientation to the courses.
- To promote and develop DISTANCE EDUCATION.
- To set and maintain standards in DISTANCE EDUCATION in the country as an apex body.

OTHER UNIVERSITIES

6.2.2.2 DISTANCE EDUCATION AND OPEN LEARNING

Distance Education is often confused with Correspondence Education. The distinction between Correspondence Education and Distance Education lies in their aims, methods and orientation. Correspondence Education is an extension of conventional education. Distance Education aims at varied goals. These include personal growth, training for better job prospects and job enhancement, a change in attitude, etc., in addition to imparting knowledge. Distance Education allows learning at one's own pace and offers easy entry and exit points. It makes life-long learning a reality. Distance Education employs a multimedia learning package. It is characterised essentially by the advanced learning strategies effected by modern communication technology. Correspondence Education, on the other hand, depends mostly on printed materials distributed by post.

6.2.2.3 GOVERNANCE

The President of India is the Visitor of the University. The authorities of the University include the Board of Management, Academic Council, Planning Board, Finance Committee, etc.

6.2.2.4 INSTRUCTIONAL SYSTEM

The University follows the multimedia approach in imparting instruction. It comprises :

- Self-instructional printed course material packages.
- Assignments for assessment and feedback.
- Supporting audio-video programmes.
- Face-to-face interaction between the student and Academic Counsellors at Study Centres and Work Centres.
- Practicals at designated Institutions.
- Project Work in some programmes.
- Work related field project/functional assignments as per programme requirements.
- Telecast of video programmes on Doordarshan.
- Broadcast of audio programmes by All India Radio (Select Stations)
- Interactive Satellite Aided Communication Network (Teleconferencing)

6.2.2.5 STUDENT SUPPORT SERVICES

Support services are provided through a network of Study Centres scattered all over the country. Study Centres are the actual focal points where the learners receive regular information and learning support. Each Study Centre is provided with library, audio and video facilities for the students.

Senior and experienced academics and professionals are engaged in face-to-face counselling to further help them in the learning process. The Study Centres are generally located in existing educational institutions and normally function on holidays and Sundays and in the evening on working days. Each Study Centre is manned by part-time staff drawn from the host institution. To co-ordinate the functioning of Study Centres IGNOU has set up 19 Regional Centres in different parts of the country.

The IGNOU Regional Centre, Calcutta looks after the activities of the University in West Bengal. A list of Study Centres under Calcutta is given in the Appendix.

6.2.2.6 EVALUATION SYSTEM

IGNOU has a three-tier system of evaluation

(I) *Check Your Progress (self-assessment) :*

This is provided in study materials and is meant for self-assessment.

(II) *Assignments (continuous internal assessment) :*

This carries a weightage of 25% to 30%. There are two types of assignments.

- Computer Marked Assignment (CMA) and
- Tutor Marked Assignment (TMA). TMAs submitted at the Study Centre are returned to the students after evaluation with comments.

(III) *Term-End Examination (TEE) :*

This is the major component in the assessment as 70% to 75% weightage is given. University holds Term-End Examination twice a year (JUNE & DECEMBER).

6.2.2.7 STRIKING CHARACTERISTICS

- Relaxed entry regulations.
- Study according to one's pace and convenience.
- Flexibility in choosing the combination of courses from a wide range of disciplines.
- Study from one's own chosen place (during the course of study a student can change the opted Study Centre to any Centre anywhere in India except for certain exceptional cases).
- One may sit for Term-End Examinations generally anywhere in India and some select Centres abroad.
- Learners may also pursue their study in any other University while being a student of IGNOU.
- Cost effectiveness.

OTHER UNIVERSITIES

6.2.2.8 RECOGNITION

IGNOU is a Central University under the Ministry of Human Resources Development, Govt. of India. The Degrees, Diplomas, Certificates awarded by IGNOU are recognised by the Association of Indian Universities (AIU) and are at par with Degrees/Diplomas/Certificates of all Indian Universities/Deemed Universities/Institutions vide UGC Circular No : F1-8/92 (CPP) dated February, 1992.

The Directorate of Employment, Govt. of West Bengal has recognised the degrees/diplomas of IGNOU to be at par with the same of other Universities of the country in the matter of providing employment.

The Deptt. of School Education, H.S. Branch, Govt. of West Bengal has issued an Order No.187-SE(HS)/10M-3/97 dated 22nd August, 1997 by strength of which degrees/diplomas offered by IGNOU are acceptable for the purpose of further studies of teachers' training and employment in Schools of West Bengal.

6.3 INSTITUTES OF IMPORTANCE

6.3.1 INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR, MIDNAPORE

Main Campus at Kharagpur,

Dist. West Midnapore, Pin-721302

IIT, Kharagpur, is the first of the chain of five IITs, established after Independence to produce scientists and technologists of the highest calibre and to provide leadership in the field of technological education and research. The other IITs as Institutes of National Importance, are situated in Delhi, Bombay, Madras, Kanpur and Guwahati. IIT Kharagpur conducts programmes leading to B.Tech (Hons.) B. Arch. (Hons) integrated M.Sc., Dual Degree, M.Tech MCP, MBM, MMST, MS Degrees and Ph.D. degrees. The Institute also offers PG Diploma Programmes in Information Technology (PGDIT), Maritime Operation and Management (PGDMOM) and Business Management (PGDBM), at its extension Centres at Kolkata and Bhubaneswar, besides STEP, IIT KHARAGPUR using distance-cum-contact (Hybrid) mode of instruction.

NO. OF DEPARTMENT / CENTRES / SCHOOLS — 28

No. of Department / Centre / School offering the course	Course	Duration
16	(i) B. Tech. (Hons.)	8 Semester
01	(ii) B. Arch. (Hons.)	10 Semester
05	(iii) Integrated M. Sc.	10 Semester
05	(iv) M. Sc. (2 – Year)	04 Semester
15	(v) Dual Degree (leading to B. Tech. & M. Tech Degrees)	10 Semester
28	(vi) M. Tech. / MCP / MBM / MS	04 Semester
01	(vii) Medical Science & Technology (MMST)	06 Semester
02	(viii) Post Graduate Diploma in Information Technology (PGDIT), Post Graduate Diploma in Maritime Operation and Management (PGDMOM)	02 Semester
01	(ix) Post Graduate Diploma in Business Management (PGDBM)	04 Semester
28	(x) Doctor of Philosophy (Ph. D)	16 Semester

OTHER UNIVERSITIES

COURSES

Department / Centre	B. Tech.	M. Tech. / M. S. / Ph. D.
Aerospace Engineering	Aerospace Engineering	Aerospace Engineering
Agricultural & Food Engg.	Agricultural & Food Engg.	<ul style="list-style-type: none"> ● Farm Machinery & Power ● Soil & Water Conservation Engg. ● Dairy & Food Engineering ● Applied Botany ● Water Resource Development & Management ● Aquacultural Engineering ● Agricultural Systems & Management ● Post Harvest Engg.
Architecture & Regional Planning	Architecture	<ul style="list-style-type: none"> ● City Planning
Chemical Engineering	Chemical Engineering	<ul style="list-style-type: none"> ● Chemical Engineering
Bio-technology	Bio-technology & Biochemical & Engineering	<ul style="list-style-type: none"> ● Biotechnology & Biochemical Engineering
Chemistry	Industrial Chemistry (M. Sc.) Chemistry (M. Sc. - 2 Year)	<ul style="list-style-type: none"> ● Chemistry ● Chemistry
Civil Engineering	Civil Engineering <ul style="list-style-type: none"> ● Structural Engg. 	<ul style="list-style-type: none"> ● Water Resource Engineering ● Transportation Engineering ● Environmental Engineering & Management ● Geotechnical Engineering ● Structural Engineering
Cryogenic Engineering	—	<ul style="list-style-type: none"> ● Cryogenic Engineering
Computer Science & Engineering	Computer Science & Engineering <ul style="list-style-type: none"> ● Computer Science & Information Technology 	<ul style="list-style-type: none"> ● Computer Science & Engineering
Electrical Engineering	Electrical Engineering <ul style="list-style-type: none"> ● Instrumentation Engineering 	<ul style="list-style-type: none"> ● Machine Drives & Power Electronics ● Control System Engineering ● Power System Engineering ● Instrumentation
	Energy Engineering	
	Instrumentation Engineering	

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Electronics & Electrical Communication Engineering	Electronics & Electrical Communication Engineering ● Automation and Computer Vision	<ul style="list-style-type: none"> ● Automation and Computer Vision ● Computer Engineering ● Fibre Optics & Lightwave Engineering ● Microelectronics and VLSI Design ● Radio Frequency and Microwave Engg. ● Telecommunication Systems Engg.
Humanities & Social Science	—	<ul style="list-style-type: none"> ● Human Resource Dev. & Management
Industrial Engineering & Management	Industrial Engineering ● Industrial Engineering & Management	<ul style="list-style-type: none"> ● Industrial Engineering & Management
Materials Science	—	<ul style="list-style-type: none"> ● Materials Science & Engineering
Geology & Geophysics	Exploration Geophysics (M. Sc.) Geological Sciences (M. Sc. - 2 Year) Applied Geology (M.Sc.) Geophysics (M. Sc. - 2 Year)	<ul style="list-style-type: none"> ● Earth & Environmental Sciences
Mathematics	Mathematics & Computing (M.Sc.) Mathematics (M. Sc.- 2 Year)	<ul style="list-style-type: none"> ● Computer Science & Data Processing
Mechanical Engineering	Mechanical Engineering ● Manufacturing System and Engg. ● Thermal, Energy & Environmental Engg. Manufacturing Sc. & Engg. ● Industrial Engineering and Management	<ul style="list-style-type: none"> ● Manufacturing Process Engineering ● Thermal, Energy & Environmental Engg. ● Mechanical Systems Design ● Manufacturing Systems Engineering ● Mechanical Handling & Automation ● Precision & Quality Engineering ● Mechanical Systems, Dynamics and Control

OTHER UNIVERSITIES

Metallurgical & Material Engg.	Metallurgical & Material Engg. ● Metallurgical Engineering	● Metallurgical & Material Engineering
Mining Engineering	Mining Engineering	● Mining Engineering
Ocean Engg. & Naval Architecture	Ocean Engg. & Naval Architecture ● Ocean Engineering	● Ocean Engg. & Naval Architecture ● Maritime Operation and Management
Physics & Meteorology	● Physics (M.Sc.) ● Physics (M.Sc.-2 Year)	● Atmospheric Science & Technology ● Solid State Technology
Rubber Technology	—	● Rubber Technology
Rural Development	—	● Research Programmes
Centre for Educational Technology	—	● Research Programmes
Post Harvest Technology Centre	—	—
Reliability Engineering Centre	—	● Reliability Engineering
School of Medical Science and Technology	—	● Medical Science and Technology ● Research Programmes
School of Information Technology	—	● Information Technology ● MS and Research Programmes
Vinod Gupta School of Management	—	● Business Management ● Research Programmes
G. S. Sanyal School of Telecommunication	—	● MS and Research Programmes

SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY, IIT KHARAGPUR**SRIC Activities :**

- Sponsored R & D Projects
- Consultancy Projects
- Institute-industry interaction
- Foreign Collaboration
- MOUs / Turn-Key Projects
- IPR and Technology Transfer
- Seminars / Conference / Workshops

ON GOING PROJECTS (Last Five Years)

	Number	Values (Rs. In Crores)
Sponsored	452	129.98
Consultancy	696	93.48
TOTAL	1148	223.46

6.3.2 NATIONAL INSTITUTE OF TECHNOLOGY**Durgapur**

The Regional Engineering College, Durgapur, predecessor of National Institute of Technology, was established by an Act of Parliament in 1970 as one of the eight such colleges aimed to function as a pace setter for engineering education in the country and to foster national integration. It was a joint venture of the Govt. of India and Govt. of West Bengal and was administered by an autonomous Board of Governors.

By virtue of the policy decision the Ministry of Human Resource Development, Govt of India, Regional Engineering College, Durgapur has been upgraded to National Institute of Technology along with a few other Regional Engineering colleges in the country from 2003-2004. Entire financial responsibilities for the maintenance of National Institute of Technology, Durgapur has been taken over by M.H.R.D., Govt. of India and admission to the courses run by the institute are now through A.I.E.E.E.

OTHER UNIVERSITIES

COURSES CONDUCTED AT N.I.T., DURGAPUR

Undergraduate Courses :

	Upto 94-95	95-96	96-97	97-98	98-99	99-00	00-01	01-02	02-03	03-04	04-05	Total
Chemical Engineering	30											30
Civil Engineering	30											30
Computer Science & Engineering	30						30					60
Electrical Engineering	60											60
Electronics & Communication Engineering	30						30					60
Information Technology							60					60
Mechanical Engineering	90											90
Metallurgical Engineering	40											40
Institution Total (Year wise)	310						120					430

The Institute offers courses of study leading to a M. Tech. Degree in the following disciplines:

Discipline	Sanctioned Intake	N.I.T. (DU - Status)
Chemical Engineering	15	
Civil Engineering (Structural Engg.)	15	
Computer Science & Engineering (Information Technology)	18	
Elec. & Comm. Engg. (Telecommunication Engg.)	18	
Electrical Engineering (Industrial Electrical System)	15	
Mechanical Engineering (Design & Production Engineering)	15	
Metallurgical Engineering (Physical Megtallurgy)	19	
Master of Business Admn. (MBA)	60	
Master of Computer Application (MCA)	60	

6.3.3 INDIAN STATISTICAL INSTITUTE**203, B. T. Road, Kolkata-700 035.**

The Indian Statistical Institute is one of the leading academic institutions in the world. It has a long and proud tradition of excellence in training, teaching and research in a number of academic disciplines including statistics, mathematics, computer science, economics, biology, geology, physics and social science. It attracts some of the brightest minds from all over India, and its alumni have made outstanding contributions to academics, governance and industry.

ACADEMIC PROGRAMMES**DEGREE :**

Programme	Duration	Venue
B.Stat.(Hons.)	3 years	Kolkata
B. Math (Hons.)	3 years	Bangalore
M. Stat. (S-stream N-stream)	2 years	Kolkata, Delhi, Bangalore
M. Math	2 years	Kolkata*, Bangalore
M.S. in Quantitative Economics	2 years	Kolkata, Delhi*
M. Tech. in Computer Science	2 years	Kolkata
M. Tech. in Quality, Reliability and Operations Research	2 years	Kolkata

* These courses are not being offered in the indicated Centres during the academic year 2005-2006.

DIPLOMA :

Programme	Duration	Venue
Certificate/Diploma course in Computer Programming & Application	1+1 years	Kolkata
Part-time Certificate/Diploma course in SQC and OR	1+1 years	Mumbai, Chennai

OTHER UNIVERSITIES

CERTIFICATE :

Programme	Duration	Venue
Part-time course in Statistical Method and Applications	1 year	Kolkata, Delhi, Hyderabad
Part-time course in SQC	6 months	Bangalore, Hyderabad
Intensive course in Programming and Application of Electronic Computers	10 weeks	Kolkata

6.3.4 INDIAN INSTITUTE OF MANAGEMENT (IIM) - KOLKATA

Diamond Harbour Road, Joka-700104

Kolkata (Calcutta), West Bengal, India

Phone: 91-33-2467-8300/8301/8302

Fax : 91-33-2282-1498

Website : <http://www.iimcal.ac.in>

The Indian Institute of Management, Calcutta was established in 1961 - India's first national institute of management for post-graduate studies and research in management. Established in collaboration with the Alfred P Sloan School of Management, Ford Foundation, the Indian business community, the Government of India and the Government of West Bengal, a substantial part of the annual capital and revenue expenses of the Institute are provided for by the Government of India.

FACTS

- IIM Calcutta started functioning from Emerald Bower, Barrackpur Trunk Road. In those days the Institute was endowed with such eminent academicians as Douglas McGregor, Miles Kennedy, Ravi Mathai, Ashok Mitra, Barun De, Kamini Adhikary, Eshwar Dayal, Warren Bennis, Jati K. Sengupta & Gouranga Chattopadhyay.
- In 1975, The institute moved to its own sprawling 135-acre campus at Joka, on the outskirts of Calcutta.

The foundation stone of the Joka campus was laid by Sri Morarji Desai, the then Dy. Prime Minister of India on Dec 15, 1968. The Institute moved to its present campus in 1975.

CURRICULUM

- IIMC offers a wide range of courses for the aspiring business graduate to choose from. Apart from the **Postgraduate Diploma in Management(PGDM)**, a course ranked among the top 10 in Asia, IIMC was the first in the country to introduce a **Postgraduate Diploma In Computer Aided Management(PGDCM)** to cater to the burgeoning specific managerial need of the IT industry. For those seeking a research oriented education, IIMC offers the **Fellow Programme**.
- IIMC also offers a part time **Postgraduate Diploma in Business Management(PGDBM)** for working managers with relevant work experience. In addition to numerous consultancy services, IIMC also offers the industry an opportunity to utilise its extensive resources for managerial training and development through the numerous Management Development Programmes(MDP) that IIMC conducts regularly.
- **Postgraduate Diploma in Management, IIM Calcutta**

The course enjoys a two-tier structure. The first year is committed to developing business fundamentals through compulsory courses spanning the areas of economics, finance, marketing, operations, systems and behavioural sciences. The second year offers a slew of optional.
- **Postgraduate Diploma in Computer-Aided Management, IIM Calcutta**

Hundreds of dot coms get registered from India every year. Recognising the need for a specialised course that can make an individual the manager, the entrepreneur with the e-touch, the PGDCM course at IIM Calcutta is already in its 6th year. The focus is on IT, clearly. The course does not compromise on any of the fundamentals of the classical PGDM program. The electives and the core courses are designed to make students all ready to tackle on challenges in the area of information technology.
- **Fellow Programme, IIM Calcutta**

The Fellow Programme of the Indian Institute of Management Calcutta is a full-time doctoral level programme in different fields of Management as well as in various disciplines and areas related to Management.
- **Postgraduate Diploma in Business Management, IIM Calcutta**

Through an upgradation of its earlier 2-Year Evening Postgraduate Certificate Programme in General Management (PGCGM) offered since 1981, IIMC launched this 3-Year Part Time

OTHER UNIVERSITIES

Evening Postgraduate Diploma in Business Management (PGDBM) Programme in 1994 as one of its major initiatives. The PGDBM Programme is recognised by the All India Council of Technical Education (AICTE) and enjoys equivalence to an MBA degree of Indian Universities.

The Institute's concern for conducting this Evening Programme in Business Management emerged from the appreciation of a responsibility to offer a quality management education to the young practising and in-service executives of organisations in and around Calcutta.

Through this programme, IIMC facilitates a process for the students to integrate their real-life work experiences with the conceptual and analytical foundations and development in management disciplines. The focus of this Programme is to inculcate among the students such perceptions, knowledge, skills and abilities that would enable them to become effective managers in the modern business processes and to assume higher levels of managerial responsibilities.

- **MANAGEMENT DEVELOPMENT PROGRAMMES, IIM-C**

MDPs are short-term residential courses for senior management personnel. People eligible to apply for the MDPs are General Managers and Heads of Marketing/Strategic Business Unit Heads / Senior and Middle level managers in Sales, Product and Brand Management and Corporate Planning. The teaching method will be participative, using case studies, group exercises and concept discussions.

The programme seeks to address the corporate need by developing strategic managers. It would enhance the strategic thinking, i.e. cross functional, holistic, and future oriented thinking ability of the participants in relation to the overall corporate objectives and the emerging company environment. By attending the programme participants will be equipped with various concepts, tools, and techniques to think and act strategically in a highly dynamic environment working at any level and at any function in the organisation. Management Development Programmes organised by IIM-Calcutta include:

MDP on Future Markets

MDP on The Strategic Management

MDP on Strategic Analysis, Planning and Posture

MDP on Total Productive Maintenance

MDP on Ethics in Business

MDP on Supply Chain Management

● **ADVANCED MANAGEMENT PROGRAMME**

Indian Institute of Management Calcutta has a long tradition of offering the prestigious Advanced Management Programme (AMP) for senior executives of Public Sector Enterprises in collaboration with the Department of Public Enterprises (DPE), Ministry of Industry, Government of India. For more than a decade, a large number of senior managers have benefited from participating in this programme. Since last year the institute has opened up the programme to senior decision-makers of the Public as well as the Private sector.

6.3.5 SAHA INSTITUTE OF NUCLEAR PHYSICS

BL-AF, Sector I, Salt Lake, Kolkata-91 (Phone : 2350-2344/2337-0379)

Saha Institute was established in 1951 in memory of Late Dr. Meghnad Saha, one of the greatest Indian Scientists.

Major areas of research :

High energy Physics: Quantum field theory, Standard model and beyond, string theory, Cosmology and early universe. Phenomenology of heavy hadron physics. Plasma physics: Experimental research with Tokamak, Condensed matter Physics : High-Tc super conductors thin films, magnetic properties of solids, NMR studies, surface Physics :

Crystallography and Molecular Biology study of protein Molecules.

6.3.6 ASIATIC SOCIETY

Park Street, Kolkata (Phone : 2229-0779)

The Asiatic Society, Calcutta was founded in 1784 by Sir William Jones (1746-1794), eminent Indologist, with the objective of inquiring into the history, science, arts and literature of Asia. This institution proved to be the inspiration behind all literary and scientific activities in the country. Three main activities of the Society concerning the scientific pursuit of the knowledge are (i) Library services (ii) Academic activities and (iii) Publications.

Library :

The Library of the Asiatic Society is one of oldest learned institutions in Asia. The holding numbering more than 2,50,000 volumes comprises, among others, a vast treasure of rare books, journals and other printed materials on Asiatic Arts and Sciences. A vast collection of old volumes of journals are preserved at the Metcalfe Hall at 12 Strand Road, Kolkata. Exhibition and display of books in connection with seminars are regular activities of the Library.

OTHER UNIVERSITIES

Resource sharing with other Institutions :

The following deserve special mention :

1. INSDOC
2. Indian Association for Cultivation of Science.
3. State Gazetteers office, Govt. of West Bengal.
4. Paschim Banga Bangla Academy.
5. National Council of Science Museum.
6. National Library.
7. Bangiya Sahitya Parisad.
8. Indian Museum.

Museum Section

The Museum of the Society possesses the priceless and unique collection of Manuscripts and Archival documents both in English and Russian, Rare printed Books, Lithographs, Paintings, Busts, Photograph-print, Coins, and Copper-Plate-Inscriptions etc.

Publications

During the year 3 publications have been performed with two awaiting publication.

Exhibition

Several exhibitions of Rare Illuminated Manuscripts & other materials were organized in the Museum of the Society on the occasion of Visit of different distinguished visitors.

Visitors

639 Indian and 63 Foreign visitors from different countries of the world visited the Museum.

Reprography Section

The Reprography Section of the Society, is dealing to the work of making Xerox copies from Books for Reader Service and supplied to various Readers/Scholars of India and Abroad, and documents for official purpose.

Conservation Section

The Conservation Laboratory meant for the preservation and restoration of the Library and Museum materials has performed the following tasks in preserving and restoring manuscripts, rare books and other objects kept in the Museum and Library of the Society.

Publication Section

The Asiatic Society is known to the world of learning mostly because of its publications of high academic standard. The Society has been publishing original and outstanding books periodicals and Booklets which have been able to draw the attention of academic world.

Academic Section

Research works of Fellows with Scholar Supervisors for different projects including outside projects sponsored by the Society deserve mention. Lectures, Seminar, Symposia, Workshops and Training Programme were also held by the Society as a significant part of its academic activities.

6.3.7 BOSE INSTITUTE

P1/12, Acharya Prafulla Chandra Road, Kolkata-700 009

The Bose Institute was founded by Acharya Sir Jagadish Chandra Bose in 1917 for the advancement of science and dissemination of knowledge. The Institute has served the nation for the past 85 years through its pursuit of advancement of knowledge in science and technology. There are departments of Biochemistry, Biophysics, Botany, Microbiology, Chemistry and Physics and the research sections on Animal Physiology, Environmental Science, Immunotechnology and Plant Molecular & Cellular Genetics. In addition, there are support and service centres like RSIC, DIC, Library, Workshop etc.

Research Activities

The research programmes of the Biochemistry Department include studies for the basic understanding of gene expression in plants and bacteria, plant and animal biotechnology, yeast and parasite molecular biology, structure-activity relationship proteins and structural biology.

The major theme of the Biophysics Department is structure, function and dynamics of biomolecules. The research interests are mainly focused on proteins, nucleic acids and small pharmacologically active compounds.

The major research goal of Botany Department established in 1917 is to improve crop productivity using conventional and modern techniques, where genes with elite characters particularly those endowed with biotic and abiotic stress tolerance are identified and located in wild relatives, with an objective to incorporate those in cultigens of rice, Brassica, Beta and Chenopodium using breeding, tissue culture and genetic engineering techniques.

OTHER UNIVERSITIES

The programmes of the Chemistry Department are centred around studies on biomolecules. The major objective is to understand the chemical and biochemical nature of these molecules and gain information about their roles in biological processes.

The research activities of the Microbiology Department address mainly the problems in the areas of parasitic and bacterial infections, drug design, detoxification, plant-microbe and mineral-microbe interactions.

The Physics Department is one of the oldest departments in the Institute, as the founder himself was a physicist. The main objective of this department is to improve our understanding of the basic laws of nature, in the realm of both macro and micro worlds.

The Research Section on Animal Physiology was established in 1930 with the objective of understanding basic amphibian, piscine and invertebrate physiology, reproductive physiology, drug research and nutrition.

The section on Environmental Sciences created in 1992 mainly deals with studies on Air, Noise, Water, Land and Biological environment and provide consultancy services to Industries. The section extends consultancy work on Quality Control, Monitoring and Control and Environmental Pollution at the local and national level.

The Immunotechnology section was created in 1992. Newly introduced programmes include an effort to understand phage induced modifications and inactivation of host aminoacyl tRNA synthetase, and a study of white spot syndrome associated baculovirus affecting shrimp aquaculture in India.

The Plant Molecular & Cellular Genetics section was established in 1989 with the objective of studying basic and applied aspects of plant processes through modern molecular approaches.

6.3.8 INDIAN INSTITUTE OF CHEMICAL BIOLOGY

4, Raja S. C. Mullick Road, Kolkata-700 032

(Established in the year 1935)

The Indian Institute of Chemical Biology has always focussed basic research in Bio-Medical science. Over the years, it has endeavoured to attain excellence in basic biological research and to focus attention on applied research.

MAIN AREAS OF ACTIVITY :

Leishmaniasis, Vibrio Cholerae, Developmental Neurobiology and Neurological Disorders, Cell Biology, Reproductive Biology, Chemistry of Bio-active Substances, Immunobiology and Immunochemistry, Protein Engineering and Structural Biology, Bio-technology, Theoretical Biology and Modelling of Bio-systems, Drug Designing and Molecular modelling.

AIMS AND OBJECTIVES

- Understanding the molecular basis of pathogenicity of parasitic and bacterial diseases of national importance. Development of early diagnostic methods and immunoprophylactic measures.
- Investigation of the role of thyroid hormones in brain development. Mechanisms of genesis of the features of Parkinson's disease and clinical studies of early diagnosis of the disease as also monitoring of drug therapy.
- Identification and characterization of bioactive materials from natural sources synthesis of new molecules and exploration of their usefulness as potential drugs.
- Mapping of small genomes and sequencing.
- Studies on human genetics of the Indian subcontinent. Identification of disease genes and gene therapy.
- Development of radiopharmaceuticals for diagnosis of different functional disorders.
- Development of diagnostic kits for determination of hormonal disorders.
- Understanding the molecular mechanisms of cellular regulation in gastric hyperacidity and ulceration, muscular dystrophy and related abnormalities.

6.3.9 SATYENDRA NATH BOSE NATIONAL CENTRE FOR BASIC SCIENCES

Block JD, Sector III, Salt Lake, Kolkata - 700 091.

The Satyendra Nath Bose National Centre For Basic Sciences was established in 1986 to foster the growth of advanced studies in selected branches of basic sciences and to conduct original researches in theoretical and mathematical sciences and other basic sciences in frontier areas including challenging theoretical studies of future application and to train young scientists for basic researches.

OTHER UNIVERSITIES

Main Programmes are :

Theoretical Physics, Applied Mathematics, Mathematical Modeling and Theoretical Chemistry. This centre has been maintaining an excellent standard in research activities, conducting various seminars and collaborating programmes with different universities in and outside the country.

Some of the research projects undertaken :

Electronic structure of random alloys, Nuclear Fission and Nuclear structure calculation, Probing the foundation of Quantum Theory, High-Tc Super conductors-effects of radiation damage, Liquid Crystals, Statistical mechanics-theory of sand piles and aggregates.

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CHAPTER – 7

COLLEGES

- 7.1 *General Information on Govt. and Non-Govt. Colleges***
- 7.2 *Games and Sports in Colleges***
- 7.3 *Hostel Facilities in Colleges***
- 7.4 *Some Salient Features of Colleges***

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CHAPTER – 7

COLLEGES

7.1 GENERAL INFORMATION ON GOVERNMENT AND NON-GOVERNMENT COLLEGES:

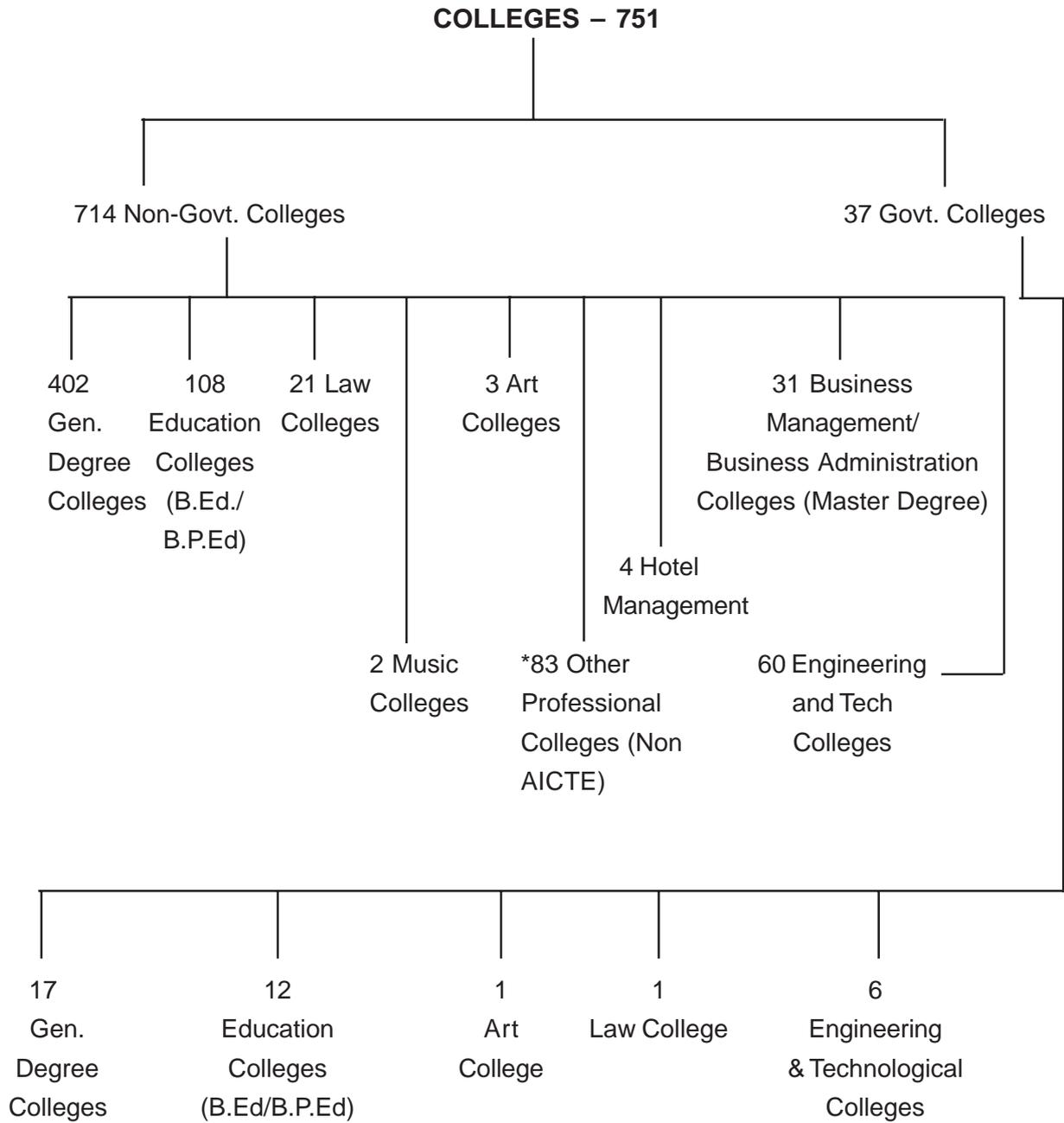
There are, different categories of Colleges in West Bengal, like Govt. colleges, non Govt. colleges under pay packet scheme and private self financing colleges, under the administrative jurisdiction of the Higher Education Department. They include General Degree Colleges and professional colleges like Law Colleges, Teachers' Training Colleges, Management colleges and Engineering & Technological Colleges etc. Districtwise distribution of various category of colleges has been shown here.

General Degree Colleges in this State are under two broad categories—(i) Government Colleges and (ii) Non-Government Colleges. Self financing private colleges have also been set up in this area.

Government Colleges are directly controlled by the State Government. The entire expenditure for these Colleges are borne by the Higher Education Department. The teaching and non-teaching staff of these Colleges are Government employees.

The Non-Government Degree Colleges are also financed by the Higher Education Department almost entirely. In 1978, the PAY PACKET SCHEME was introduced for payment of salary of teaching and non-teaching employees of the Colleges under the West Bengal Colleges (Payment of Salaries) Act, 1978. All Non-Government degree colleges (including erstwhile sponsored colleges) receive salary under this scheme. Recently the State Govt. has allowed a few autonomous non profit making societies/trusts to set up a few private colleges on self financing basis. The General Degree Colleges have a wide variety in enrolment, subjects offered and in educational achievements.

COLLEGES



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Districtwise distribution of colleges with Honours teaching facility is shown in the Table below.

District	No. of Gen. Degree Colleges (Govt. & Non-Govt.)	No. of Colleges with Hons. teaching facility
Bankura	18	15
Burdwan	28	27
Birbhum	14	11
Purulia	14	12
Calcutta	67	67
South 24-Parganas	38	29
North 24-Parganas	47	40
Coochbehar	11	10
Darjeeling	20	16
Hooghly	28	25
Howrah	18	17
Jalpaiguri	13	12
Malda	10	08
Midnapore (East)	18	15
Midnapore (West)	24	21
Murshidabad	22	17
Nadia	17	15
North Dinajpur	06	06
South Dinajpur	06	04
Total :	419	367

The Department feels that Honours teaching facility should be evenly distributed in the districts amongst various subjects in Arts, Science and Commerce Groups. Efforts are being made to move in that direction.

In the case of extension of affiliation to new subjects in the existing colleges, the infrastructure of the particular college, its teaching strength, academic record as evidenced by examination results, location, area served, etc. are taken into consideration. Special importance is also given for according affiliation to new subjects in colleges, which have a higher SC/ ST student population. A number of Govt. and Non-Govt. Colleges have been given extension of affiliation in respect of new subjects during 2007-2008. Some colleges have more than one shift on account of student population.

COLLEGES

SHIFT SYSTEMS IN COLLEGES

Chittaranjan College, Calcutta	M + D + E
Seth Anandaram Jaipuria College, Calcutta	M + D + E
Victoria Institution, Calcutta	M + D
New Alipore College, Calcutta	D + E
Barrackpore Rastraguru Surendranath College, N.24–Parganas	D
Dum Dum Motijheel College, N. 24 –Parganas	M +D
Gobardanga Hindu College, N. 24-Parganas (B.Ed)	D + E
Narasingha Dutta College, Howrah	M + D + E
Uluberia College, Howrah (B.Ed)	D + E
Bidhan Chandra College, Rishra, Hooghly	D + E
Midnapore College	M + D
B. B. College, Asansol, Burdwan	M + D + E
Burdwan Raj College	M + D + E
Katwa College, Burdwan	M + D
M. U. C. Women's College, Burdwan	M + D
Sri Gopal Banerjee College, Bagati, Hooghly	M + D + E
Rampurhat College, Birbhum	M + D + E
Vidyasagar College, Suri	D + E
Ramananda College, Bankura	D + E
Malda College, Malda	M + D + E
Hooghly Mohsin College, Hooghly	M + D + E
Taki Govt. College, N. 24 – Parganas	M + D
Barasat Govt. College, N. 24- Parganas	M + D
Goenka College of Commerce, Calcutta	D + E
A. B. N. Seal College, Coochbehar	M + D
Durgapur Govt. College, Burdwan	M + D
Jhargram Raj College, Midnapur	M + D
Darjeeling Govt. College, Darjeeling	M + D
Chandernagar Govt. College, Hooghly	M + D + E
Sree Chaitanya College	D + E
Bolpur College	D + E
T.D.B. College, Raniganj	M + D
Panskura Banamali College	M + D + E
B. B. College, Asansol	D + E

M = Morning, D = Day, E = Evening

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Out of 419 General Degree Colleges in West Bengal only 258 Colleges have the facility for science teaching at General and / or Honours level. These science-teaching colleges are, however, not evenly distributed throughout all the districts. The following table will show percentage of distribution of colleges with science teaching facility in the districts.

COLLEGES WITH SCIENCE TEACHING FACILITY

District	Total No. of General Degree Colleges	No. of Colleges with Science teaching facility	Percentage of Science Teaching Colleges to General Degree Colleges	Percentage of Science Teaching Colleges in the district to total No. of Science Teaching Colleges in the State
Bankura	18	09	50.00	3.48
Burdwan	28	23	82.14	8.91
Birbhum	14	08	57.14	3.10
Purulia	14	10	71.42	3.87
Calcutta	67	58	86.56	17.82
South 24-Parganas	38	25	65.78	8.13
North 24-Parganas	47	34	91.48	13.17
Coochbehar	11	06	54.54	2.32
Darjeeling	20	11	55.00	4.26
Hooghly	28	21	75.00	8.13
Howrah	18	13	72.22	5.03
Jalpaiguri	13	07	53.84	2.71
Malda	10	06	60.00	2.32
Midnapore (East)	18	15	83.33	5.81
Midnapore (West)	24	18	75.00	6.97
Murshidabad	22	11	50.00	4.26
Nadia	17	12	70.58	4.65
North Dinajpur	06	05	83.33	1.93
South Dinajpur	06	03	50.00	1.16
Total	419	258	61.57	100.00

COLLEGES

Most of the sciences teaching colleges teach physical sciences (Physics/Chemistry). Life Sciences (Botany/Zoology/Physiology) are taught in less number of colleges. Subjects like Statistics, Geology, Computer Science, Electronics, etc. are taught in a limited number of colleges although there is a great demand for those subjects. In view of the above, the Higher Education Department has been granting affiliation for Computer Science and Electronics in several colleges at both the general and the honours level.

It may be noted from the following table that only 207 colleges offer teaching in Commerce. As regards districtwise distribution of these colleges, the percentage is high (i.e. more than 60%) in only 6 districts, namely, Howrah, Hooghly, Burdwan, Birbhum, Nadia and South 24 Parganas.

Number & percentage of Colleges in districts offering facility in commerce teaching

District	Number of General Degree Colleges	No. of Colleges offering Commerce teaching facility	Percentage
Bankura	18	07	38.88
Burdwan	28	18	64.28
Birbhum	14	08	57.14
Purulia	14	06	42.85
Calcutta	67	37	55.22
South 24-Parganas	38	20	52.63
North 24-Parganas	47	18	38.29
Coochbehar	11	04	36.36
Darjeeling	20	06	30.00
Hooghly	28	18	64.28
Howrah	18	15	83.33
Jalpaiguri	13	04	30.76
Malda	10	03	30.00
Midnapore (East)	18	09	50.00
Midnapore (West)	24	10	41.66
Murshidabad	22	08	36.36
Nadia	17	11	64.70
North Dinajpur	06	03	50.00
South Dinajpur	06	02	33.33
Total	419	207	49.40

GIRLS' COLLEGE

The principle of equity demands expansion and promotion of girls' education. The distribution of girls' Colleges is shown below :

Number of Girls' Colleges in districts with Hostel facility

District	Number of Girls' General Degree Colleges	College with Hostel facility
Bankura	01	01
Burdwan	04	04
Birbhum	00	00
Calcutta	46	12
Coochbehar	01	00
Darjeeling	03	00
Hooghly	04	01
Howrah	01	00
Jalpaiguri	01	01
Malda	01	01
Midnapore	02	02
Murshidabad	01	01
Nadia	01	01
North Dinajpur	00	00
North 24-Parganas	06	02
Purulia	01	01
South Dinajpur	01	01
South 24-Parganas	02	00
Total :	76	28

There are girls' colleges in all districts except Birbhum and North Dinajpur. The oldest Girls' College in the State is Bethune College, which was established in 1879. Besides the above-mentioned colleges, there are some professional colleges (Teachers' Training / Fine Arts/ Home Science etc.) which are meant for girls' students only. There are some co-education colleges with facility of Girls' Hostel.

COLLEGES

7.2 GAMES AND SPORTS IN COLLEGES

FACILITIES

Although games and sports are not included in regular curricular programme of General Degree Colleges, the Government encourages these activities in various ways. There are posts of Physical Instructor/ Physical Instructress in all Government Colleges and in some Non-Government Colleges. They are entrusted with the responsibility of organising games and sports in respective colleges. Grants are released to colleges for purchase of equipment for games and sports.

GOVERNMENT COLLEGES

Most of the Govt. Colleges have playgrounds within or outside. The students of the colleges are encouraged to participate in games and sports. An INTER-GOVT. COLLEGE ATHLETIC MEET is held every year.

NON-GOVERNMENT COLLEGES

The picture of the non-Govt. colleges is slightly different. It is understood from available data that 105 colleges have playground attached to those colleges, while 25 colleges have playground outside the campus. But the playgrounds of most of those colleges are not spacious enough for popular games like football or cricket. Like Govt. Colleges, inter non-Govt. College athletic meet and Football competition is organised by the Directorate of Physical Education annually.

7.3 HOSTEL FACILITIES IN COLLEGES

All the Government Engineering and Technological Colleges have hostel facility. All the Govt. Teachers' Training Colleges, excepting one, also have this facility. Amongst the Govt. General Degree Colleges, however, only ten colleges have hostels. Amongst the non-Govt. (General Degree and Teachers' Training) colleges, ninety three colleges offer this facility. The number of non-Govt. colleges in each district having hostel facility is shown below :

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NUMBER OF COLLEGES IN DISTRICTS OFFERING HOSTEL FACILITY

District	No. of Govt. Colleges with approved Hostel facility			No. of Non-Govt. Colleges with approved Hostel facility		
	BOYS	GIRLS	TOTAL	BOYS	GIRLS	TOTAL
Bankura	—	—	—	05	01	06
Burdwan	—	—	—	03	03	06
Birbhum	—	—	—	06	—	06
Calcutta	03	02	05	07	04	11
Coochbehar	01	01	02	—	—	—
Darjeeling	—	01	01	—	—	—
Hooghly	02	02	04	08	02	10
Howrah	—	—	—	02	—	02
Jalpaiguri	—	—	—	02	—	02
Malda	01	—	01	01	01	02
Midnapore (East)	—	—	—	04	01	05
Midnapore (West)	01	01	02	07	01	08
Murshidabad	—	—	—	03	01	04
Nadia	01	—	01	—	—	—
North Dinajpur	—	—	—	—	—	—
North 24-Parganas	02	—	02	07	02	09
Purulia	—	—	—	01	—	01
South Dinajpur	—	—	—	—	—	—
South 24-Parganas	—	02	02	03	—	03
Total	11	09	20	59	16	75

COLLEGES

Demography and Colleges

Name of the District	Comparative Area size 2001	Comparative Population size 2001	Sex Ratio	Density of Population per. sq. km	No. of General Degree Colleges
Bankura	7.75%	3.98%	953	464	18
Burdwan	7.91%	8.63%	921	985	28
Birbhum	5.12%	3.76%	949	663	14
Calcutta	0.22%	5.71%	828	24760	67
Coochbehar	3.82%	3.09%	949	732	11
Darjeeling	3.55%	2.00%	943	510	20
Hooghly	3.55%	6.28%	947	1601	28
Howrah	1.65%	5.33%	906	2913	18
Jalpaiguri	7.02%	4.24%	941	547	13
Malda	4.21%	4.10%	948	881	10
Midnapore (East)	7.75%	3.98%	953	464	18
Midnapore (West)	15.87%	12.01%	955	685	24
Murshidabad	6.00%	7.31%	952	1101	22
Nadia	4.42%	5.74%	947	1172	17
North Dinajpur	3.54%	3.04%	937	778	06
North 24-Parganas	4.62%	11.13%	927	2181	47
Purulia	7.05%	3.16%	953	405	14
South Dinajpur	2.50%	1.87%	950	677	06
South 24-Parganas	11.22%	8.61%	938	694	38

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Districtwise distribution of different types of Colleges

District	General Degree (BA/BSc. B.Com)	B. Ed	Physical Edn.	Law	Music	Art	Engg. & Tech.	Business Management & Hotel Management	Total
Bankura	18	5	1	–	–	–	2	–	26
Burdwan	28 (1G)	10(1G)	1	3	1	1	12	4+2	62
Birbhum	14	4	–	1	–	–	2	1	22
Calcutta	67 (6G)	13 (2G)	2(1G)	4	1	1(1G)	17 (2G)	5	110
Cooch-Behar	11(1G)	2	1	–	–	–	–	–	14
Darjeeling	20 (1G)	3	–	–	–	–	1	2+1	27
Hooghly	28 (2G)	4 (2G)	1(1G)	1	–	–	5 (1G)	–	39
Howrah	18	6	–	–	–	–	6	2	32
Jalpaiguri	13	3	1	1	–	–	1(G)	–	19
Malda	10	4(1G)	1	–	–	–	1	–	16
Midnapore East	18 (1G)	11	2	1	–	1	2	1	36
Midnapore West	24 (1G)	5	1	1	–	–	1	1	33
Murshidabad	22	6	2(1G)	2	–	–	3 (1G)	–	35
Nadia	17 (1G)	5	–	2	–	–	4 (1G)	2+1	31
Purulia	14	4	–	–	–	–	–	–	18
North Dinajpur	06	2	–	–	–	–	–	–	08
South Dinajpur	06	2	–	1	–	–	–	–	09
North 24 Pgs	47 (3G)	9 (1G)	1 (1G)	1	–	1	5	6	70
South 24 Pgs	38	7	1 (1G)	4	–	–	4	7	61
Total	419	105	15	22	2	4	66	31+4	668*

G – Indicates Govt. College

*** Excluding 83 Professional Colleges (Non-AICTE), Total Colleges:751**

COLLEGES

7.4 SOME SALIENT FEATURES OF COLLEGES

A. Government Colleges

- **Centre for Advanced Study :**

Presidency College has a Centre for Advanced Studies in Economics. This centre was started in 1972 under the Special Assistance Programme of the U.G.C. The centre helps in conducting the teaching programme in Economics at B.A (Hons) level and carries out research programmes. Seminars and workshops are also organised by the Centre on various aspects of macro and micro-economics. The primary thrust of research in the Centre has been in the formulation of approaches and methods for understanding some important problems of Indian economy. Two posts of Professors have been created by the Govt. of West Bengal exclusively for the Centre. The Geology Deptt. of Presidency College has also been declared as Centre for Advance Studies (CAS) by the U.G.C. in 2006 and Rs. 1 Crore has be granted for overall upgradation of infrastructure of this Department.

- **College of Excellence :**

Presidency College is the first college in West Bengal to be declared as the 'College with Potential for Excellence' by the UGC and Rs. 35 lakhs have been granted by UGC which is being used for total computerization of the college. Loreto College, St. Xavier's College and Scottis Church College, Kolkata have also earned this distinction.

- **Research / Partnership :**

Ford Foundation, UGC, DST -Gol, CSIR, etc, have funded special research and academic projects in top government colleges. Presidency College alone has received nearly Rs. 5 cr. Libraries, Laboratories and Computer systems have been upgraded to enhance research and other academic facilities.

- **Created financial flexibility :**

The Principal's of the Govt. Colleges have been given the financial powers of DPI/Secretary for sanctioning expenditure. They do not have to approach HE Deptt/DPI for these matters, as was the system before.

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AND MEDICAL COLLEGES).
DEGREE COLLEGES (EXCEPTING THE GOVT. ENGINEERING & TECHNOLOGICAL COLLEGES
103-NON-PLAN" FOR THE STAFF (TEACHING AND NON-TEACHING) OF THE GOVERNMENT
NON-PLAN PROVISION FOR PAYMENT OF SALARY UNDER THE BUDGETARY HEAD "2502-03-

Year	Provision of Fund (Rs. in lakhs)
1994-95	24,02.78
1995-96	29,10.88
1996-97	33,79.00
1997-98	39,42.00
1998-99	39,20.00
1999-2000	27,33.80
2000-2001	63,23.63
2001-2002	29,22.68
2002-2003	61,16.31
2003-2004	48,86.27
2004-2005	45,30.70
2005-2006	42,78.40
2006-2007	46,86.00
2007-2008	48,25.11
2008-2009	24,46.23

COLLEGES

B. Non-Government Colleges

Beside the Government Colleges, the State at present has 614 Non-Government Colleges of different categories of which 417 are non-Government General Degree Colleges. Serampore College, established in 1818 under the initiative of the Danish Government is the oldest. It thus coincides with the year of establishment of Hindu College (later Presidency College) in Calcutta. It was followed by Krishnanath College (1858), St. Xaviers' College (1860), St. Paul's College (1865) and Midnapore College (1873). The establishment of the colleges was in some cases, associated with the National (Education) Movement in India during the British period, such as Surendranath College (1884) and Jadavpur Vidyapith (now Jadavpur Vidyapith College of Education). The decadal growth of Colleges (Appendix II) will show the course of development of Non-Government Colleges.

Since Independence, the Central and the State Governments have appointed various commissions in the field of education, the University Education Commission, 1948-49, the Indian Education Commission (Kothari Commission), 1964-66 and the Education Commission (Ashok Mitra Commission), 1992-93 etc. for the improvement of education and the service conditions of the Non-Government College teachers which were not at par with those of the Government Colleges teachers. Various effective steps have been taken for the improvement of the service conditions of teachers of Non-Government Colleges since the Left Front Government came into power in 1977, which include :

- As there was no security in service of College teachers and the payment of their salary was irregular, the present Government, after assumption of power, passed the West Bengal College (Payment of Salaries) Act, 1978 by which the security of service and the payment of salaries were ensured by the State Government. The Pay Packet Scheme is administered by Education Directorate.
- The Governing body of the Non-Government Colleges was democratized by the inclusion of elected representatives of the teaching and the non-teachings staff of the college.
- Previously the non-Government Colleges had to deposit 50% of their income in the Government Exchequer against the total payment of salary by the State Government. But the Government has waived this deposit.

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- Similarly, Death-cum-Retirement benefit scheme was sanctioned for teachers of Non-Government Colleges in 1978. In 1993-94 an enhanced rate of pension and other benefits were sanctioned for teachers who had opted for them, making the benefits at par with those of the Government College teachers. A Pension Cell is attached to the Pay Packet Section of the Education Directorate to look after the payment of the Retirement Benefits of the Non-Government College teachers. Recently (2005-06) Govt. has taken urgent steps to clear the backlogs in pension related cases.
- Setting up of new departments/affiliation of new subjects in the emerging areas.
- Setting up of new courses/programme on self financing basis.
- Professional and vocational courses in collaboration with different organisations/institutes.

Expansion and Quality improvement :

The State Government has concentrated on the decentralization of educational opportunities to the rural and other backward areas of the State to meet the demands of the people for education. Between 1977 to 2004 of General Degree Colleges have been established in different parts of the State. The State Government is equally conscious of the need for improvement of the quality of college education. Every year the State Government has been sanctioning grants for the development of libraries and laboratories of the Colleges. Funds are also released for the repair, reconstruction/renovation and extension of college buildings.

The responsibility of management of non-Government colleges lies with the Governing Bodies of the colleges subject to overall jurisdiction of the State Govt. The academic matters of the Colleges are looked after by the University concerned to which the colleges are affiliated.

COLLEGES

NON-PLAN PROVISION FOR PAYMENT OF SALARY UNDER THE BUDGETARY HEAD "2202-03-104-NON-PLAN" FOR THE STAFF (TEACHING AND NON-TEACHING) OF THE NON-GOVT. DEGREE COLLEGES.

Year	Provision of Fund (Rs. In lakhs)
1994-95	113,30.00
1995-96	138,50.00
1996-97	144,60.00
1997-98	165,83.00
1998-99	176,00.00
1999-2000	204,40.00
2000-2001	243,20.00
2001-2002	263,00.00
2002-2003	283,27.84
2003-2004	297,44.23
2004-2005	342,00.00
2005-2006	377,52.54
2006-2007	386,53.13
2007-2008	397,38.00
2008-2009	407,67.79

C. National Assessment & Accreditation Council (NAAC)

The last five decades have seen a notable increase in the number of Higher Education Institutions in the country. The need for quality in public Instructions cannot be overlooked in any level of educational structure of the country. However, maintenance of quality in Higher Education considering all socio-economic aspects, including the higher amount of investment per student, is a matter of paramount importance.

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In order to address this issue of quality in higher education in the country, an apex evaluatory body, the National Assessment and Accreditation Council (NAAC, Bangalore) has been constituted under the jurisdiction of the University Grants Commission, New Delhi in 1994.

During this financial year, as a result of very intense activities of the Cell, more than 26 colleges have been accredited by NAAC, bringing the total number of such colleges to 223, which is more than 55% of our total number of Degree Colleges, compared to the national average of 20%. Total number of accredited institutions at present stands at 237 (inclusive of 12 Teacher Education Departments/Colleges, 1 Art College and 1 Technology Institute). By that time, 3 Universities in the State had also been creditably re-accredited.

- **Placement of Teachers in Non-Government Colleges**

The State Government established the West Bengal College Service Commission in 1979 for making recommendations for filling up the vacancies of different categories of teaching posts in Non-Government colleges. The College Service Commission has been successful in filling up the vacant posts of academic staff in large numbers and has helped in raising the academic atmosphere in the Colleges.

- **Commitment of the State Govt. towards Payment of higher remuneration to Part-time Teachers**

Effective steps have already been taken towards payment of remuneration to part time teachers @ Rs. 4000/pm . Rs.107 crore has been allotted during 2007-2008 fiscal. Provisions have also been made in the current year's budget in this matter.

- 1500 new teaching posts were created last year. Out of this, 920 posts have already been distributed to different colleges.ngal
- College Service Commission has recommended 638 candidates for appointment as teachers and 90 candidates for appointment as Principals. 2820 vacancies have also been declared for teachers (including Training College Teachers) and Librarians.
- 229 colleges including 11 B.Ed./B.P.Ed. departments have been accredited so far by NAAC.

COLLEGES

- **Commitment of the State Govt. towards Payment of higher remuneration to Part-time Teachers**

Effective steps have already been taken towards payment of remuneration to part time teachers @ Rs.4000/- per month. Rs.107 crore has been allotted during 2007-2008 fiscal. Provisions have also been made in the current year's budget in this matter.

- **Sanction of Additional post of teachers for the Colleges**

During the year, 1500 teaching posts in non-Govt. colleges and 125 teaching posts in Govt. colleges have been created in addition 17 posts of Professor has been created especially for the Presidency College.

241 colleges have submitted their performance statement till date towards Assessment of their progress under incentive scheme for government aided general degree colleges (SLAC). Under this scheme, the State Government has released a grant of Rs.177 lakh to 23 colleges already assessed. Another proposal for sanction of Rs.450 lakh for 54 colleges is in the pipeline.

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PROFESSIONAL COURSES

(Other than Engineering, Technology and Management)

8.1 *Teachers' Training*

8.2 *Physical Education*

8.3 *Law Education*

8.4 *Computer and IT related Education Programme*

8.5 *Art Education*

8.6 *Music*

8.7 *Language Courses*

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PROFESSIONAL COURSES

Apart from Engineering & Technology Education leading to B.E./B.Tech. & M.E./M.Tech./MCA courses and the Management programme leading to MBA/MBM/PGDBM etc. conducted in Engineering & Technology and Management Institutions, DOEACC accredited Computer courses (O, A & B level), B.C.A. are also imparted in a number of General Degree Colleges, in a few universities and in some other institutions.

In addition to the above, Professional courses like Law Education, Teachers training including Physical Education, Art Education, Music, Home Science etc. are conducted in different professional institutions as detailed below :

District	B.Ed	Phy. Edn.	Law	Music Science	Art	Total
Bankura	5	1	–	–	–	6
Burdwan	10(1 G)	–	3	1	1	15
Birbhum	4	1	1	–	–	6
Calcutta	13 (2 G)	2(1G)	4	1	1 (1G)	21
Coochbehar	2	1	–	–	–	3
Darjeeling	3	–	–	–	–	3
Hooghly	4 (2 G)	1 (1 G)	1	–	–	6
Howrah	6	–	–	–	–	6
Jalpaiguri	3	1	1	–	–	5
Malda	4 (1 G)	1	–	–	–	5
Midnapore East	11	2	1	–	1	15
Midnapore West	5	1	1	–	–	7
Murshidabad	6	2(1G)	2	–	–	10
Nadia	5	–	2	–	–	7
North Dinajpur	2	–	–	–	–	2
North 24-Parganas	9 (1 G)	1 (1 G)	1	–	1	12
Purulia	4	–	–	–	–	4
South 24-Parganas	7	1 (1 G)	4	–	–	12
South Dinajpur	2	–	1	–	–	3
TOTAL	105	15	22	2	4	148

G - Indicates Govt. College

PROFESSIONAL COURSES

8.1 TEACHERS' TRAINING

Secondary Teacher Education Programme in West Bengal :

The total number of teacher education (B.Ed.) institutions is 91 in this state as up to March 2008.

[List is furnished below]

In these Training Colleges there are :

- i) Seven (7) Govt. Training Colleges
- ii) Eighteen (18) Non- Govt. Aided Colleges,
- iii) Sixs (6) University B,Ed,Department,
- iv) Fifteen (15) B.Ed.Department in General Degree Colleges
- v) Fourty five (45) Self-financing Colleges

At present most of the Teacher Education Institutions/ colleges are recognized by the National Council for Teacher Education (NCTE). In the achivement, the responsibility of compensatory money was born by the The Govt. of West Bengal.

However, with this status in almost all the Teacher Education Colleges there have been a remarkable infrastructural development in-

- Establishment and development of laboratories in different subjects viz.
 1. Educational Technology Laboratory,
 2. Psychology Laboratory,
 3. Mathematics Laboratory
 4. Language Laboratory
- Introduction of Academic Programme sponsored by Ministry of Human Resource Development in the Teacher Education Colleges in West Bengal-
 1. The College Teacher Education (CTE)-

The four B.Ed Colleges have been upgraded to Centre for College Teacher Education (CTE) to conduct in-Service Teacher Education Programme- in previous years are :

 - i) Institute of education for Women Hastings House, Alipore. Kolkata
 - ii) Ramkrishna Mission Sikshana Mandir, Belur Math, Howrah
 - iii) Govt. College of Teacher Education, Banipur, North 24- Parganas,
 - iv) Govt, College of Education, Hoogly

This year Siliguri B. Ed College & B.Ed Department,University of Kalyani have been offered the status of CTE. This Program is mainly for developing professionalism in in-service secondary - Teachers.

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2. The David Hare Training College (DHTC-) has been upgraded to The Institute of Advance Study Education (IASE). This IASE programme is for Headmasters/Headmistresses of Secondary Schools and Teacher Educators of Teachers Training Colleges.
3. M.Ed course is being taught in two Govt. B.Ed. Colleges - The David Hare Training College, Ballygunge Circular Road, Kolkata, Institute of education for Women Hastings House, Alipore. Kolkata and in Education Department of Calcutta University.
4. Master of Philosophy (M.Phil.) in Education in Distance Mode under Netaji Subhash Open University.

The Teachers' Training Colleges fall into categories : (a) B.Ed Colleges and (b) physical Education Colleges.

LIST OF SECONDARY TEACHERS' TRAINING COLLEGES IN WEST BENGAL WITH THEIR AFFILIATING UNIVERSITIES

GOVT. B.ED. COLLEGE			
Sl.No.	Name of the Secondary Teachers' Training College	Affiliating University	Course Conducted
1.	David Hare Training College, (DHTC) 25/3, Ballygunge Circular Road, Calcutta –700 019 Ph. 2486-4848	Calcutta	B. Ed., M.Ed., IASE, & M. Phil in Dist.
2.	Institute of Education for Women, Hastings House, Alipore, Calcutta –700 027. Ph. 2479-7034	Calcutta	B. Ed., M.Ed. CTE, M.Phil. Proposed
3.	Government Training College, Hooghly, P.O.& Dist. Hooghly, Ph. 2680-2085	Burdwan	B. Ed. Up graded to CTE
4.	Institute of Education for Women,(P. G.), Chandernagore, Khalishani, Dist. Hooghly., Pin-712138, Ph. 2680-6040	Burdwan	B. Ed.
5.	Government Teachers' Training College, P.O. & Dist-Malda., Pin-732101, Ph. (953512) 252272	North Bengal	B. Ed.
6.	Government College of Education, Banipur, P.O. & Dist-24-Parganas (North), Banipur, Pin-743233 Ph. (03216) 237034	Calcutta	B. Ed. Up graded to CTE

PROFESSIONAL COURSES

7.	Government College of Education, Kazirhat, P.O. - Lakhurdi, Dist- Burdwan, Ph. (0342) 2533913	Burdwan	B. Ed.
NAME OF THE SECONDARY TEACHERS TRAINING COLLEGE (NON-GOVT./PPS)			
1.	A.C.Training College, Nayabasti P.O. & Dist-Jalpaiguri. Pin - 735101,	North Bengal	B. Ed.
2.	Sree Ramkrishna B.T. College. Darjeeling, Bagmari House, P.O. & Dist-Darjeeling. Pin-734101 Ph. (0354) 2257135	North Bengal	B. Ed.
3.	Sevayatan Shiksha Mahavidyalaya Vill. - Jhargram, P.O. Sevayatan, Dist – Midnapore (West). Pin-721507	Vidyasagar	B. Ed.
4.	R. K. M. Sikshan Mandir, B.Ed, College, P.O. Belurmath, Dist – Howrah. Pin-711202 Ph. 2654-4412, NAAC Accredited “A”	Calcutta	B. Ed.
5.	Sponsored Teachers Training College, Deshbandhu Road P.O. & Dist- Purulia. Pin-723101, Ph. (0325) 22323	Burdwan	B. Ed.
6.	Raiganj B.Ed. College, Uttar Dinajpur, Karnojora Housing Estate, P.O. Raiganj, Pin-733130	North Bengal	B. Ed.
7.	Union Christian Training College, P.O. Berhampore, Dist-Murshidabad, Pin-742101 Ph. (03482) 251255	Kalyani	B. Ed.
8.	Shimurali Sachinandan College of Education, P.O. Anur, Dist-Nadia, Pin-741 248, Ph. (03473) 225035	Kalyani	B. Ed.
9.	Sri R.K. Sarada Sikshan Mandir P.O. Anur, Dist–Hooghly, Ph. (03211) 244228*	Burdwan	B. Ed.
10.	Nikhil Banga Sikshan Mahavidyalaya, P.O. Bishnupur, Dist–Bankura, Pin-722122 Ph. (03244) 252001	Burdwan	B. Ed.
11.	Vidyasagar Teachers' Training College, P.O. & Dist- Paschim Midnapore, Pin-721101 Ph. 275-479	Vidyasagar	B. Ed.

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12.	Gopal Chandra Memorial College of Education, P.O. New Barrackpore, Dist-24 Parganas (North). Pin-743276, Ph. 2567-2826	Calcutta	B. Ed.
13.	Gandhi Centenary B.T. College, P.O.Habra, Dist –24-Parganas (North) Pin-743268, Ph : (03216) 237199	Calcutta	B. Ed.
14.	Calcutta Girls' B.T.College, 6/1, Swinhoe Street, Kolkata-700019, Ph. 2440-4630	Calcutta	B. Ed.
15.	Nandalal Ghosh B.T. College, Panpur, P.O. Narendrapur, Dist. 24-Parganas (North) Pin-721430, Ph. 2580-1826	Calcutta	B. Ed.
16.	Siliguri B.Ed. College, Baramohan Singh Jote P.O. Kadamtala, Siliguri, Dist–Darjeeling. Pin-734011 Ph. (0353) 2581566	North Bengal	B. Ed.
17.	Ramkrishna Mission Brahmananda College of Education, P.O. Rahara, Dist. 24-Parganas (North) Kolkata-700118, Ph. 2568-2021	Calcutta	B. Ed.
18.	Satyapriyo Roy College of Education,AA-247, Salt Lake,Sector-1, Kolkata-700064 Ph.22342430	Calcutta	B.Ed.
19.	Gangadharpur Sikshan Mandir, Vill. & P.O. Gangadharpur,P.S. panchla, Howrah, Pin-711 302	Calcutta	B.Ed.
20.	Surendralal Das Teachers' Training College, Vill & P.O. Ananda Nagar, P.S. Bally, Pin-711227	Calcutta	B.Ed.
UNIVERSITY B. ED. DEPARTMENTS			
1.	Department of Education, Calcutta University, U. C. A. C. Alipur Campus1, Reformatory Street, Kolkata –700027	Calcutta	B.Ed. & M.Ed. Deptts.
2.	Department of Education, Vinaya Bhawan, Viswa Bharati University, Santiniketan, Dist-Birbhum, Pin - 731235	Viswa Bharati	B.Ed.
3.	Department of Education Kalyani University, P.O. Kalyani, Dist-Nadia,Pin- 741235 Ph. (033) 2582 1390	Kalyani	B.Ed. & upgrated to CTE

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4.	University B. T. & Evening College, (North Bengal University), Keshab Road, Kunjabari, P.O. & Dist. Coochbehar, Pin-736101. Ph.(03582) 222714	North Bengal	B.Ed.
5.	University Institute of Science Education, University of Burdwan, Golap Bag P.O & Dist-Burdwan, Pin- 713104 Ph. (0342) 2533913	Burdwan	B.Ed.
6.	Department of Education, Rabindra Bharati University, Emerald Bower Campus, 56A, B.T.Road. Kolkata- 700 050. Ph. 2557 1028	Rabindra Bharati	B.Ed.
B.ED. DEPARTMENT IN GENERAL DEGREE COLLEGE			
1.	St. Xavier's College , (Autonomous), 30, Mother Teresa Sarani, Kolkata –700 016 Ph. 2255-1242	Calcutta	B.Ed. Dept.
2.	Scottish Church College, 1 & 3, Urquhart Square, Kolkata-700 006	Calcutta	B.Ed. Dept.
3.	Sree Sikshyatan College, 11, Lord Sinha Road, Kolkata-700 071	Calcutta	B.Ed. Dept.
4.	Acharya J.C. Bose College, 1 / 1 A, Archarya, J.C. Bose Road, Kolkata-700 071	Calcutta	B.Ed. Dept.
5.	Loreto College, 7, Middleton Row, Kolkata-700 071, Ph. 2246-0952	Calcutta	B.Ed. Dept.
6.	Fakirchand College,* Diamond Harbour, Dist –24-Parganas (South), Pin- 743331, Ph. (03174)-255244	Calcutta	B.Ed. Dept.
7.	Gobardanga Hindu College, P.O. Khantura, Dist—24 –Parganas (North), Ph. (03216) 249443.	Calcutta	B.Ed. Dept.
8.	Uluberia College,* P.O. –Uluberia, Dist-Howrah. Pin-711 315, Ph. 2661 0332	Calcutta	B.Ed. Dept.

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9.	Bijoy Krishna Girls, College, 5/ 3, Mahatma Gandhi Road, Howrah- 700001, Ph. 2641 2341.	Calcutta	B.Ed. Dept.
10.	Panskura Banamali College, P.O.–Panskura R.S.,Dist—Midnapore. Pin-721162 Ph. 953228-252222	Vidyasagar	B.Ed. Dept.
11.	P. K.College, P.O.-Contai, Dist-Midnapore.*	Vidyasagar	B.Ed. Dept.
12.	Tamralipta Mahavidyalaya, P.O.—Tamluk,Dist—Midnapore,Pin-721636, Ph. 953228 266054	Vidyasagar	B.Ed. Dept.
13.	Katwa College, P.O. –Katwa, Dist-Burdwan, Pin- 713 130 *awaiting	Burdwan	B.Ed. Dept.
14.	Kalna College, P.O.-Kalna, Dist-Burdwan, Pin- 713 368, Ph. (03454)-555032	Burdwan	B.Ed. Dept.
15.	Yogoda Satsanga Palpara Mahavidyala, P.O.Palpara, Dist– Midnapore, Pin- 721458, Ph. (03220)-249227	Vidyasagar	B.Ed. Dept.
B.ED. COLLEGES (SELF-FINANCING).			
1.	Mohanananda College, Rajbandh, Durgapur, Pin-713201 Ph. (0342) 2555428	Burdwan	B.Ed.
2.	Sarisa B. Ed. College, South 24-Pargs.	Calcutta	B.Ed.
3.	Institute of Education, Haldia, Hatiberia; ICARE Complex, Purba Medinipur	Vidyasagar	B.Ed.
4.	Athena B.E.College, Vill-Churamonipur, P.O.-Sonamukhi,Dist. Bankura, PIN-722207. Ph. (03211)- 244228	Burdwan	B.Ed.
5.	Santiniketan Bonaid B. Ed. Training College, Rabindra Pally,Santiniketan, Birbhum Pin- 731235 Ph.(03463)264031	Burdwan	B.Ed.

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6.	Coochbehar B. Ed. College, Vill. Tangonmari (Rajarhat), Pin- 736165, Coochbehar Ph.(03582) 241490	North Bengal	B.Ed.
7.	Gangarampur B. Ed. College, P.O- Kaldighi, (Gangarampur), P.S.Gangarampur, Pin- 733124, Dakshin Dinajpur	North Bengal	B.Ed.
8.	Prabharani B. Ed. College, Berhampore 2, No.Banjetia, Berhampore, Murshidabad, WB-742101.	Kalyani	B.Ed.
9.	Balurghat B. Ed. College, Mongalpur, P.O. Balurghat. Dist. Dakshin Dinajpur; Pin- 733101 Ph.(03522)-259179	North Bengal	B.Ed.
10.	Falakata B.Ed. College, Muktipara, Falakata-735211 Jalpaiguri, Ph. (03563) 261987	North Bengal	B.Ed.
11.	Malda Satish B.E. College, P.O. Maliha, Malda, Pin-732102. Ph. (03512)278863	North Bengal	B.Ed.
12.	Saltora B.Ed. College, P.O. Saltora, Bankura, Ph. 03241-273231	Burdwan	B.Ed.
13.	Swarajnagar Teachers' Training College, Bankura, PO.-Khatra sub division, Dist. Bankura, Pin-722146	Burdwan	B.Ed.
14.	Eastern Dooars B.Ed. Training College, Dakshinayan, P.O. Bhatibari (Alipur Duar). Pin- 736121. Jalpaiguri Ph.(03564) 222413	North Bengal	B.Ed.
15.	Sammelani Teachers' Training College, 4, Santoshpur Avenue, E.M. Bye Pass, Kolkata- 700 075 Ph. 2562 7656	Calcutta	B.Ed.
16.	Vivekananda Teachers' Training College, Vill. Chandipur,P.O-Kazigram, Pin= 732103, Ph. (035122) 96779	North Bengal	B.Ed.
17.	Kabi Sukanta Secondary Teachers' Training Institute, P.O.Reapara, P.S.. Nandigram, Dist. Purba Medinipur, Pin- 721650	Vidyasagar	B.Ed.
18.	Krishnagar B.Ed. College, 56, Ramsey Road, Chasapara,Krishnanagar, Nadia Ph. (03472) 654583	Kalyani	B.Ed.

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19.	Swami Vivekananda College of Education for Women, 20, Riverside Road,P.O. Vivekananda Math, Barrackpore, North 24-parganas, Pin-700120, Ph. 2594 7106	Calcutta	B.Ed.
20.	Maulana Abul Kalam Azad Teachers' Training College, Vill-Bagbari, P.O- Itahar, Dist. Uttar Dinajpur Ph.(03523)-277938	North Bengal	B.Ed.
21.	Jagadish Chandra Basu Sikshak Sikshan Mahavidyalaya, 113/1, Garfa Main Road, Kolkata- 700 075 (South 24-Pargs)	Calcutta	B.Ed.
22.	Galsi Rabindra Nazrul College of Education, Galsi, Burdwan Ph.(0342)3293574	Burdwan	B.Ed.
23.	Jalangi B.Ed. College, Dumkal, Vill. Narasinghapur, P.O. Sagarpara, P.S. Jalangi, Pin-742306 Murshidabad Ph. (03481) 250307	Kalyani	B.Ed.
24.	Bijoy Pal Memorial B.Ed. College, Burnpur, Burdwan, Ph.(0341) 6459895	Burdwan	B.Ed.
25.	Raidighi B.Ed. College, South 24-Pargs.	Calcutta	B.Ed.
26.	Dr. B.R. Ambedkar College, Vill. & P.O. Malighati, P.S.Debra, Pin.-721211, Paschim Medinipur	Vidyasagar	B.Ed.
27.	Pandit Raghunath Murmu Teachers' Training College, P.O. Palsanda More, Pin-742184, Murshidabad	Kalyani	B.Ed.
28.	Manbhum Institute of Education & Social Science, Dulmi P.O-Manbazar, Purulia, Pin-723 131. Ph. 953253-255632	Burdwan	B.Ed.
29.	Kolkata Teachers' Training College, Panpur, P.O. Narayanpur, North 24-Parganas, Pin- 743126.	Calcutta	B.Ed.
30.	Ratulia Secondary Teachers' Training Institute,* Panskura,P.O. Naranda, Dist. Purba Medinipur, Pin-721139	Vidyasagar	B.Ed.
31.	Shyamaprasad College of Education & Training, 5/B.R. Dasgupta Road, Alipore, Kolkata-700 026, South 24-Prgs	Calcutta	B.Ed.

PROFESSIONAL COURSES

32.	Basantapur Education College, P.O. Basantapur, P.S. Dumkal, Pin- 72406 Murshidabad, Ph. (03481) 231201	Kalyani	B.Ed.
33.	Shyamaprasad College of Education & Training; Alipore, 5/B R. Dasgupta Road , Kolkata- 700 026	Calcutta	B.Ed.
34.	Aurangabad B.Ed. Training College P.O. Aurangabad, Pin-742201	Kalyani	B.Ed.
35.	EI Bethel College for B.Ed, P.O. Rasapunja, P.S. Bishnupur, Kolkata- 700104, South 24-Prgs	Calcutta	B.Ed.
36.	ABS Academy, J.P. Avenue; Sagarbhangra, Burdwan; Pin-713211 in 2008-2009	Burdwan	B.Ed.
37.	Deben Mahato Teachers' Trg. Institute; Paharigora, P.O. Deoli, P.S- Santaldi, Pin- 723146	Burdwan	B.Ed.
38.	Subhash Chandra Bosu B.Ed. Training College, Vill. Jararnagar, P.O. Heria, Dist.Purba Medinipur, Pin. 721430.	Vidyasagar	B.Ed.
39.	Vivek Jyoti College; VIII- Mechagram, Vill-Mechagram, P.O.-Uttar Mechagram,P.O.-Panskura, Pin- 721139	Vidyasagar	B.Ed.
40.	Bengal College of Teacher Education, Vill-Dhurabilqa, Dhamkuria, Chandrakona Town	Vidyasagar	B.Ed.
41.	Tara Sankar Bandopadhyay B.Ed. Institution, Ahmedpur, P.O. Kuchighata, Pin.-731201, Ph.(0343)231232	Burdwan	B.Ed.
42.	Rabindra Nazrul Smriti B.Ed. Educational Institute, Hetampur, Birbhum- 731124, Ph. 9434195611	Burdwan	B.Ed.
43.	Madhyamgram B.Ed. College, 20/3/A Nadibhag, Mdhyamgram, Badu Road, Kolkata- 700128 in 2008-2009	Calcutta	B.Ed.
44.	Parameswar Mahavidyalaya (B.Ed.), Vill. & P.O.-Namkhana, Block- Namkhana, Dist. South 24 Parganas, Subdivision Kakdwip, Pin-743357.	Calcutta	B.Ed.
45.	Bankura College of Education, Katjuridanga, Purulia Main Road, Bankura, Ph. 9434250641	Burdwan	B.Ed.

CTE : College Teacher Education

IASE : Institute for Advance Study Education

*** : Not Recognized by NCTE (National Council for Teacher Education)**

8.2 PHYSICAL EDUCATION

A list of institutions providing undr-graduate and post- graduate education in physical education are given below.

GOVERNMENT PHYSICAL EDUCATION COLLEGES

Sl. No.	College	Affiliating University	Course Conducted	Intake Capacity
1.	Post-Graduate Training College for Physical Education, Banipur, North 24 Parganas. Ph. 953216-237032	Calcutta	B.P.Ed. (Co-ed.) M.P.Ed. (Co-ed.) M. Phil. (Co-ed.)	120 60 15
2.	State Institute of Physical Education for Women, Hastings House, Alipore, Kolkata, Ph. 24796824	Calcutta	B.P.Ed. (Co-ed.)(Women) M.P.Ed. (Co-ed.)(Women)	50 60
3.	Government Physical Education College for Women, Hooghly. Ph. 2683083	Burdwan	B.P. Ed. (Women)	50
4.	Government College of Physical Education for Women, Dinhata, Coochbehar. Ph. 953581-255154	North Bengal	B.P.Ed. (Women)	50

UNIVERSITY DEPARTMENTS (State University/Central University)

Sl. No.	Department	University	Course Conducted	Intake Capacity
1.	Department of Physical Education Kalyani University, Kalyani, Nadia Ph. 25828750	Kalyani	M.P.Ed. (Co-ed.) B.P.Ed.(Co-ed)	50 60
2.	Department of Physical Education Jadavpur University, Jadavpur Ph. 24136786	Jadavpur	M.P.Ed. (Co-ed.) B.P.Ed.(Co-ed)	65 60
3.	Department of Physical Education Viswabharati University, Santiniketan Ph. 953463-252672	Viswabharati	B.P.Ed.(Co-ed) M.P.Ed. (Co-ed.)	50 50

PROFESSIONAL COURSES

NON-GOVERNMENT COLLEGES WITH PHYSICAL EDUCATION DEPARTMENT

Sl. No.	Department	University	Course Conducted	Intake Capacity
1.	Nikhil Banga Sikshan Mahavidyalaya, Bishnupur, Bankura (under pay packet scheme) Ph. 953244-252001	Burdwan	B. P. Ed. (Men)	50
2.	Union Christian Training College, Berhampore, Murshidabad (under pay packet scheme). Ph. 953482-250254	Kalyani	B. P. Ed. (Men)	50
3.	Seva Bharati Mahavidyalaya, Kapgari, West Midnapore (under pay packet scheme). Ph. 953226-263295*	Vidyasagar	B. P. Ed. (Co-Ed)	50
4.	Panskura Banamali College, (East Midnapore) (under pay packet scheme). Ph. 953228-252222*	Vidyasagar	B. P. Ed. (Men)	50
5.	Mukberia Gangadhar Mahavidyalaya, Bhupatinagar, East Midnapore (Self financing scheme). Ph. 953220-270236	Vidyasagar	B. P. Ed. (Co-Ed)	50
6.	Ananda Chandra College, Jalpaiguri, (Self financing scheme)*.	North Bengal	B. P. Ed. (Men)	50
7.	Garbeta College, P.O. Garbeta, Dist. West Midnapore (Self financing scheme) Ph. 953227-265143*	Vidyasagar	B. P. Ed. (Men)	50
8.	J.C. Bose Sikshan Sikshika Mahavidyalaya, Garfa, Kolkata (Self Financing)	Calcutta	B. P. Ed. (Co-Ed.)	50
9.	Sunil Dhar Memorial B.P. Ed. College, Panchtupi, Murshidabad (Self Financing)	Kalyani	B. P. Ed. (Co-Ed.)	50
10.	Prabharani B.P.Ed. College, Beharampur, Murshidabad.	Kalyani	B. P. Ed. (Co-Ed.)	50
11.	Dept. of Physical Education, Bankura Christian College	Burdwan	B. P. Ed. (Co-Ed.)	50

* : Not Recognized by NCTE (National Council for Teacher Education)

COLLEGES OFFERING PHYSICAL EDUCATION AS AN ELECTIVE SUBJECT

Sl. No.	College	District	Affiliating University
1.	Garhbeta College	West Midnapore	Vidyasagar
2.	Panskura Banamali College	East Midnapore	Vidyasagar
3.	Pingla Thana Mahavidyalaya	Midnapore	Vidyasagar
4.	Khajuri College	Midnapore	Vidyasagar
5.	Midnapur College	Midnapore	Vidyasagar
6.	Haldia Government College	Midnapore	Vidyasagar
7.	Jhargram Raj College	Midnapore	Vidyasagar
8.	Tamralipta Mahavidyalaya,	(East Midnapore)	Vidyasagar
9.	Mukberia Gangadhar Mahavidyalaya	Midnapore	Vidyasagar
10.	Seva Bharati Mahavidyalaya	West Midnapore	Vidyasagar
11.	Bajkul Miloni Mahavidyalaya	Midnapore	Vidyasagar
12.	Sabang Sajani Kanta Mahavidyalaya	Midnapore	Vidyasagar
13.	Belda College	Midnapore	Vidyasagar
14.	Vivekananda Mahavidyalaya, Haripal	Burdwan	Burdwan
15.	Rabindra Mahavidyalaya, Chapadanga	Hooghly	Burdwan
16.	Memari College	Burdwan	Burdwan
17.	Durgapur Govt. College	Burdwan	Burdwan
18.	Chatra Ramai Pandit Mahavidyalaya	Burdwan	Burdwan
19.	Kandi Raj College	Murshidabad	Kalyani
20.	Netaji Satabarshiki Mahavidyalaya	North 24 Parganas	Calcutta
21.	Banipur Mahila Mahavidyalaya	North 24 Parganas	Calcutta

PROFESSIONAL COURSES

22.	Dhrubachand Halder College	South 24 Parganas	Calcutta
23.	B. R. Ambedkar College, Betai	Nadia	Kalyani
24.	Scottish Church College, Kolkata	Kolkata	Calcutta
25.	Siliguri College	Darjeeling	North Bengal
26.	Cooch Behar College, Cooch Behar	Cooch Behar	North Bengal
27.	Ananda Chandra College, Jalpaiguri	Jalpaiguri	North Bengal
28.	Joypur P. Roy College	Howrah	Calcutta
29.	Mahishadal Girls' College, Mahishadal	Purba Medinipore	Vidyasagar
30.	P. N. Das College	North 24 Parganas	Calcutta
31.	B. N. Dutta Smriti Mahavidyalaya	Burdwan	Burdwan
32.	Vivekananda Mission Mahavidyalaya	Midnapore	Vidyasagar
33.	Raja Birendra Chandra College	Nadia	Kalayani
34.	A.P.C. College, New Barrackpore	North 24 Parganas	Calcutta
35.	Prabhu Jagat Bandhu College, Jorhat	Howrah	Calcutta
36.	Raja Rammohan Roy Mahavidyalaya, Radhanagar	Hooghly	Burdwan
37.	Srikrishna College, Bagula	Nadia	Kalyani
38.	Rani Dhanya Kumari College, Jiaganj	Murshidabad	Kalyani
39.	Bajkul Milani Mahavidyalaya, Bajkul	Purba Midnapore	Vidyasagar
40.	Belda College, Belda	Paschim Midnapore	Vidyasagar
41.	Chandrakona Vidyasagar Mahavidyalaya, Chandrakona	Paschim Midnapore	Vidyasagar

PHYSICAL EDUCATION COLLEGES (SELF - FINANCING)

Sl. No.	College	District	Affiliating University
1.	Raja Rammohan College for Physical Education	Hooghly	Burdwan University
2.	Model B.P. Ed College	Jalpaiguri	North Bengal University
3.	Sunil Dhar B.P. Ed College	Murshidabad	Kayani University
4.	Jagadish Chandra Basu Sikshak Sikshan Mahavidyalaya	North 24-Parganas	Calcutta University

Highlights of the achievement of Physical Education (2008-2009)

1. Two more self-financing BP Ed. College have been approved by N.C.T.E. for the session 2008-09. Total No. Physical Education Teacher Training institution recognized by N.C.T.E are now sixteen.
2. **Like previous years, the Government have sanctioned fund for conduct of the followings for the year 2008-09.**
 1. Inter Govt. college Sports '09 - Rs. 6.00 lakh
 2. Inter Non-Govt. College Sports '09 - Rs. 25.00 lakh
 3. Inter Physical Education Institutions Cultured Athletic Meet - Rs. 2.60 lakh
 4. Celebration of Platinum Jubilee for Ph. ZP, Banipur. - Rs. 2.00 lakh
 5. Celebration of Silver Jubilee for G.CPER Hooghly. - Rs. 1.00 lakh
 6. Development grant to Physical Education Colleges of the Govt. - Rs. 19.00 Lakh
 7. Development grant for Books / Computer/ Spair to G.CPEW, Dinhata. - Rs. 2.50 lakh

PROFESSIONAL COURSES

3. Grant have been released for various Committee Work of Govt. Physical Colleges.

1.	Development of Dinhata, Govt. Physical Colleg for various schemes.	-	Rs. 30.00 lakh
2.	Development of Campus and Hostel Building for Hooghly GCPEW	-	Rs. 29.00 lakh
3.	Repair and Renovation of SZPEW, Alipore	-	Rs. 10.00 lakh
4.	Repair, Renovation of Building and Construction	-	Rs. 45.00 lakh

4. Creation of New Posts :

- (A) 12 Post of Lecturer in Physical Education in various Non- Govt. Colleges have been created during the year 2008-09.
- (B) One post of Professor in Physical Education and two post of Lecturer in Physical Education, one post of Librarian for SZPEW, Hasting House, Alipore for P. h.Deptt. - have been created.

8.3 LAW EDUCATION

The introduction of law education in India can be traced back to the year 1827 when the course was introduced in Hindu College. When Presidency College came into being in 1855, law education became an important department of the College. Various factors, however, compelled this law department to be abolished in 1884. Ripon College (now Surendranath College) was granted affiliation to teach B. L. in 1885. The next major step in law education of the State was taken when Calcutta University opened its law college in 1909. Since 1970, four more law colleges have come up, along with law colleges at North Bengal and Burdwan Universities. The academic status of law education has however, fluctuated over the decades. Initially, it attracted brilliant scholars and produced most of the legal luminaries of the 19th century. After the First World War, the legal profession became overcrowded. After the Independence, law graduates came to be in high demand due to industrial and commercial growth and the facilities for law education was expanded.

Previously, the study of law comprised 3 year courses but of late, a major innovation has been made by introducing a 5-year integrated course on the recommendations of the All India Bar Council. The course starts beyond the H.S. stage and the first 2 years include, apart from some basic law courses, English, Political Science, History and allied subjects. The last three years are devoted to the teaching of only law subjects.

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The West Bengal University of Juridical Science was formally inaugurated on 22nd April 2000. The admission to the 5-year Course in law offered by the University is made through an All India Entrance Examination. The present position in legal education in the State is enumerated below in a summary form. Law Colleges have also been established on self financing basis.

TYPE OF COURSES

- (i) L.L.M. — 3 University Departments and in the newly established University of Juridical Sciences.
- (ii) L.L.B. — 3 years after graduation
- (iii) L.L.B. (Hons.) — 5 years after (10+2)

(i) L. L. M. COURSE						
College	Intake					Duration
	M.	F.	S.C.	S.T.	TOTAL	
(a) Calcutta University						
Regular	6	2	2	-	10	2 yrs. : Day
External	11	0	3		14	
(b) Burdwan University	12	1	3		16	2 yrs. : Day
(c) North Bengal University	16	6	2	-	24	2 yrs. : Day

(ii) L.L.B. Course : 3 yrs. after graduation (40% or Hons./Master in any Subject)				
Sl. No.	Institutions	Affiliating University	Intake	Remarks
1.	Burdwan University Law Deptt.	-	80	University Law Deptt.
2.	Hooghly Mohsin College	Burdwan University	80	Afternoon classes
3.	Haldia Law College	Vidyasagar University	80	Self financing

(iii) L.L.B. (Hons.) / L.L.B. Course : 5 yrs. after 10+2 class				
Sl. No.	Institutions	Affiliating University	Intake	Remarks
1.	Calcutta University Law Department, Hazra Road, Kolkata-700019 Ph. : 475-1766/5801	Calcutta University	320	University Law Department,

PROFESSIONAL COURSES

2.	Jogesh Ch. Choudhury Law College 30 Prince Anwar Shah Road, Kolkata-700033 Ph. : 2473-4622	Calcutta University	320	Morning
3.	South Calcutta Law College 6/1, Swinhoe Street, Kol-19 Ph. : 2440-8182	Calcutta University	320	Morning
4.	Surendranath Law College 24/2, Mahatma Gandhi Road Kolkata-9, Ph.: 2350-3896	Calcutta University	320	Morning
5.	Sorsuna Law College, Sorsuna Kolkata-700061	Vidyasagar University	80	Self Financing
6.	Kingston Law College, Barasat, North 24-Parganas	Calcutta University	80	Self-financing
7.	Bikash Bharati Law College, Sukhdebpur, South 24-Parganas	Calcutta University	80	Self-financing
8.	Rabindra Siksha Sammilani Law College	Calcutta University	80	Self-financing
9.	North Bengal University Law College	North Bengal University	N/A	Self-financing (Day)
10.	Jalpaiguri Law College, Jalpaiguri	North Bengal University	80	"
11.	Balurghat Law College, Balurghat	North Bengal University	80	"
12.	Midnapore Law College, Midnapore West	North Bengal University	N/A	"
13.	Durgapur Institute of Legal Studies, City Centre, Durgapur	Burdwan University	N/A	"

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14.	Law College Rajbandh, Durgapur	Burdwan University	80	"
15.	Bengal Law College Gopalnagar, Sriniketan Bypass, Doranda, Birbhum	Burdwan University	80	"
16.	Binoda Law College Durgapore, Burdwan	Burdwan University	80	"
17.	Bimal Chandra College of Law, Kandi, Murshidabad	Kalyani University	80	"
18.	Snehansu Kanta Acharya Institute of Law, Kalyani	Kalyani University	80	"
19.	MAB Institute of Juridical Science, Domkal, Murshidabad	Kalyani University	80	"

8.4 COMPUTER EDUCATION

a) **B. C. A. Course**

A number of General Degree Colleges affiliated to different universities including Calcutta, Burdwan and North Bengal are conducting BCA Courses. In a few Engineering Colleges affiliated to the West Bengal University of Technology, BCA course has been introduced.

b) **Computer Science & Electronics (Hons.) and General Courses**

At present B.Sc.(Hons.) course in Computer Science and Electronics is offered in a number of general degree colleges. B.Sc.(General) courses with Computer Science are available in around 50 colleges and with Electronics in about 40 General Degree Colleges. Vocational courses in Computer Application are also available in some colleges.

B.Sc.(Hons.) courses in Internet Science and also in Software Technology affiliated institution have been introduced in a few Colleges of North Bengal University and in Burdwan University.

PROFESSIONAL COURSES

c) **DOEACC Accredited Computer Courses in 'O' 'A' 'B' and 'C' level**

- i) Computer Courses in 'O'(Foundation courses), 'A' (PGDCA), 'B' (B.Tech) And 'C' (M.Tech.) level are conducted at the Institute of Computer Engineers (India), Chatterjee International Centre, 33A, Chowringhee Road, Kolkata-700071 and in some other institutions.
- ii) The DOEACC accredited 'O' & 'A' level courses are also conducted by the DOEACC Centre, Kolkata.
- iii) Webel Informatics Ltd. Conduct a series of IT related courses.

d) **The Netaji Subhas Open University**, in collaboration with the Regional Computer Center, Kolkata, has set up the School of Digital Learning. The school is offering modular courses in Web Application Development, Information Technology and Multimedia Content Development etc.(leading to BCA degree), on a pilot basis at its premises in Gol Park, Calcutta-700 029.

e) **Jadavpur University** has introduced a number of short term courses in Multimedia, IT and related areas.

8.5 ART EDUCATION

There are four Art Colleges in the State; one of them is a Government College, one is a Non-Government College, supported by the Government for its maintenance and other two are self financing institutes.

8.5.1 GOVERNMENT COLLEGE OF ART AND CRAFT

28, Jaharlal Nehru Road, Kolkata-700 016.

Telephone : 2249-2027

The Government College of Art and Craft, originally started as the School of Art in 1864, was established in 1950. The University of Calcutta granted affiliation to the College in 1981. The Master of Visual Arts Course was started in 1999-2000.

The original building of the college is in the pattern of the Royal College of Art, London. Subsequently more buildings have come up to accommodate various departments and activities of the college.

COURSES OF STUDY AND OTHER ACTIVITIES

- Five years integrated course** : i) Preparatory Course (equivalent to H. S.)—Two years
ii) Bachelor of Visual Arts (Honours Degree Course)-
Three years with seven streams—Drawing and
Painting (Western Style), Drawing and Painting (Indian
Style), Graphic Design / Applied Art, Modeling and
Sculpture, Ceramic Art and Pottery, Textile Design and
Woodwork, Leather Craft, Toy making.
- Master of Visual Art (MVA)** : Two years Post graduate course with the following three
streams –
- A. Painting
 - (a) Oil-based Techniques.
 - (b) Water-based Techniques.
 - (c) Print Making.
 - B. Modeling and Sculpture
 - C. Applied Art and Design.
 - (a) Applied Art.
 - (b) Ceramics.
 - (c) Textiles.
 - (d) Wood and Leather Craft.

8.5.2 THE INDIAN COLLEGE OF ARTS AND DRAFTSMANSHIP

72, Dum Dum Road, Kolkata-700 074

Establishment year-1893

(Affiliated to Rabindra Bharati University)

COURSES OFFERED :

Bachelor of Visual Arts: 5 years integrated course ; Preparatory course - 2 years duration consisting of 800 marks ; Theory-400 and Practical 400.

PROFESSIONAL COURSES

Specialization course of 3 years duration with Specialization in Painting, Sculpture and Applied Art (Commercial Arts). The course is of an Honours standard.

8.6 MUSIC

8.6.1 BENGAL MUSIC COLLEGE

P-1, C.I.T. Scheme - LXXII, Gariahat Road,
Kolkata-700 029, Ph. 466-2692
(Affiliated to Calcutta University, Established : 1940)

OBJECTIVE

The Bengal Music College has been established to extend systematic training in the field of Indian Classical Music, Rabindra Sangeet, Folk Songs of Bengal, Thumri, Bhajan, Puratani and Modern Bengali Songs, etc. The College is a pioneer in the field of Music Education in West Bengal. The College offers Music as an elective subject in B.A./B.Sc. Degree Course under Calcutta University.

Name of Course	Duration	Intake Capacity
Bachelor in Music (Pass)	3 years	50 (including SC/ST)
Bachelor in Music (Hons.)	3 years	20 (including SC/ST)
Music as an elective subject B.A. / B. Sc. Course	3 years	200 (including SC/ ST)

Apart from the above college of Music, there is a Music college in Burdwan offering Degree and Diploma/Certificate in Rabindra Sangeet, Classical and Instrumental Music.

Rabindra Bharati and Viswa Bharati Universities have their Music Departments offering undergraduate and post-graduate degrees and diplomas.

8.7 LANGUAGE COURSES

Foreign languages taught at different centres in West Bengal

Sl. No.	Name of Institution	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Arabic	Chinese	English	French	German	Italian	Japanese	Korean	Latin	Persian	Portuguese	Russian	Spanish	Tibetan
1.	Alliance Francaise (AF), 'Khalil Manzil', 217,A.J.C. Bose Rd., Kol-17, Ph. No.-2281-5198,2283-0769				✓										
2.	Bhowanipore Educational Society College (BESC), 5,Elgin Rd.,Kol-20,Ph. No.-2228-0381			✓	✓			✓							✓
3.	Bengal Engineering and Science University (BESU), P.O.-Botanic Garden,Shibpur, Howrah-711103.			✓		✓									
4.	The British Institute (BI) 13/1A, Govt.Place, Kol-69, Ph.2243-0046			✓	✓	✓									✓
5.	Burdwan University (BU), Rajbati, Burdwan,Pin-713104.			✓	✓	✓							✓		
6.	Chandernagore Govt. College (CGC), Chandernagore,Pin-712136.				✓										
7.	Calcutta University (CU), Senate House,College Street, Kol- 73	✓	✓	✓	✓	✓			✓		✓		✓	✓	✓
8.	Gorky Sadan (GS), Kolkata												✓		
9.	Indo-American Society (IAS), 17, Camac St,Kol-17 Ph. No.-2247-3756			✓											

'✓' indicate the course available in the centre.

PROFESSIONAL COURSES

	Name of Institution	1	2	3	4	5	6	7	8	9	10	11	12	13	14
10.	Institute of Culture (ICGP), Golpark,(R.K. Mission),Kol-29.	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	
11.	Italian Consulate (ICK), 3, Raja Santosh Road,Alipore,Kol-27						✓								
12.	Institute de Chandernagore (IDC), Strand Road,Chandernagore,Hooghly. Ph. No.2683-9661				✓										
13.	I.I.T.,Kharagpur(IITK) Kharagpur, West Midnapore,Pin-721302.			✓		✓									
14.	In Lingua (ILK), 129A,S.P. Mukherjee Rd.,Kol-26, Ph. 2465-7621				✓	✓		✓							✓
15.	Jadavpur University (JU), Jadavpur,Kol-32.				✓	✓	✓	✓	✓			✓	✓	✓	
16.	Korean Culture and Language Centre (KCLC), AE-545,Salt Lake, Kol-64, Ph. 2321-1115								✓						
17.	Kalyani University (KU),Kalyani, Nadia,Pin-741235.		✓	✓										✓	
18.	Language Teaching Centre (LTC), G-11/7, Karunamoyee, Salt Lake, Kol-91 Ph. 2359-0019,2337-3429.							✓							
19.	Max Mueller Bhavan (MMB), (Goethe Inst.), Kolkata					✓									
20.	North Bengal University (NBU), Raja Rammohanpur,Darjeeling, Pin-734430.				✓										
21.	Rabindra Bharati University (RBU), 56A,B.T. Road,Kol-50.			✓			✓	✓							✓
22.	Visva Bharati (VB),Shantiniketan, Birbhum,Pin-731235.		✓	✓	✓	✓	✓	✓					✓		
23.	World Trade Centre, Kolkata (WTCK), 1/1,Camac St. Kol-17, Ph. 2229-4010.		✓												✓

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ACTIVITIES OF THE WINGS OF THE GOVERNMENT, ACADEMIES AND ORGANISATIONS

- 9.1 *Institut de Chandernagore*
- 9.2 *Institute of English*
- 9.3 *Joint Entrance Board*
- 9.4 *Netaji Institute for Asian Studies*
- 9.5 *National Service Scheme (NSS)*
- 9.6 *Paschim Banga Hindi Academy*
- 9.7 *West Bengal District Gazetteers*
- 9.8 *West Bengal State Archives*
- 9.9 *West Bengal State Book Board*
- 9.10 *West Bengal State Council of Higher Education*
- 9.11 *West Bengal College Service Commission (WBCSC)*
- 9.12 *Day Students' Homes*

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ACTIVITIES OF WINGS OF THE GOVERNMENT, ACADEMIES AND INSTITUTES

9.1 INSTITUT DE CHANDERNAGORE

Strand Road, Chandannagar, Hooghly, Phone-(003) 2683-9661

The Indo – French Cultural Centre and Museum (Institut de Chandernagor) is a centre for Promotion of Culture and Education of two countries, India and France. The museum was established at the Former French Governor’s Residency, Dupleix Place at Chandernagor in 1952 by the Government of India, Department of External Affairs to honour the Article no. IX of the Treaty of Cession between India and France. The museum was then taken over by the State Government. The Higher Education Department added two wings: Library and French Language study Centre since 13th January, 1966.

Objectives:

The activities of the Indo – French Cultural centre and Museum are to fulfill its three objectives : 1) Proper preservance of the history, archives and heritage of two countries, 2) Promotion of culture and research,3) Promotion of French Language study as a foreign language for the benefit of the young generation.

ACTIVITIES DURING THE YEAR :

Governing Body Meeting:

The Fifth and Sixth meeting of Governing Body of Institute were held on 27th June, 2008 and 24th February, 2009 at Meeting Hall, Bikash Bhavan, 5th Floor, Salt Lake under the Chairmanship of the Hon’ble Minister in Charge, Higher Education Department, Govt. of West Bengal& Vice Chairman of the Governing Body. There were taken some important decisions a) Appointment of full time Director, b) Appointment of Accountant cum Cashier and Peon, c) Plan for Development of garden, d) Preparation of the project for setting up “**Regional Institute**” in collaboration between the State and the Central.

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The Seventh Governing Body meeting of Institute was held on 7th March 2009 under the Chairmanship of the Hon'ble Governor, West Bengal & Chairman of the Governing Body at Institute's auditorium, Chandernagore. His Excellency, M. Jerome Bonnafont, the Ambassador of France in India, the member of the Governing Body was present in the said meeting.

The valuable points were decided. a) Appointment of full time professional Director b) Observation of Golden Jubilee celebration - 2010 (Seminar, Pedagogical workshop, Cultural Program, Exhibition etc.) C) Preparation of Indo French Collaboration Projects.

Museum : Open : - 11 a.m. to 6 p.m. (March to November)
11 a.m. to 5.30 p.m. (December to February)

Museum helps people to gain a respective knowledge about French and others colonial history, Freedom Struggle of India, Folk Art, Art and Crafts, Manuscripts, Coin, Textile, Early and Medieval terracotta, Cire perdue casting (metal casting) and Antic French Furniture etc. which have been displayed in the several galleries.

For the spread of knowledge in respect of the colonial history of Bengal, a gallery of European settlement in Bengal, 17th Century was reoriented with different dioramas (Fort of Orleans at Chandernagore (1696 – 1757), Port of Saptagram (16th century), Topological landscape of River Saraswati, Hooghly – depicted European settlement), different category of venial printing of photographs and antiquities. There are displays the history of a) **Royal port of Saptagram and Prosperous Bengal**, b) **Portuguese trade and Settlement**, c) **History of British East India Company (established 1600)**, d) **History of Dutch East India Company (1602)**, e) **Danish East India Company (1616)**, f) **French East India Company (1664)**.

Temporary Exhibition :

Institute was organized two temporary exhibitions at auditorium. The first exhibition was held on “**NATIONAL INTREGRATION**” to observe the Independent Day. The second exhibition was held on “**THE IMPACT OF THE SECOND WORLD WAR ON INDIAN FREEDOM MOVEMENT**” to observe the Republic Day.

Conservation Laboratory:

Conservation Laboratory is the primary needs to restore old rare valuable books, manuscripts, painting and archival documents. This year attempts have been taken to appoint the staff of the laboratory and to set up the laboratory

Library :

Institut de Chandernagor library has a rich and unique collection of rare French books are among which a large number of books are the works of eminent French authors as like **Andre Gide, Balzac, Corneille, Montaigne, Victor Hugo, Voltaire, Racine, Rousseau, Saint Simon, Moliere, Musset, Emile Zola, Marcel Proust, Paul Claudel, Madama de Sevigne, Sainte Beuve** and others and Literature etc. This collection is used by the students and scholars.

French Language Course :

The Higher Education Department, Govt. of West Bengal offered the opportunity for study in French as a foreign language for adult people who could not study the French in their normal education period. The French courses are two labels-certificate and Diploma of one year courses in two semesters.

Enrolment in 2008:

Enrolment of students of two semesters (January to June and July to December) is appended:

Certificate Part - I		Certificate Part - II		Diploma Part - I		Diploma Part - II	
Admitted	Passed	Admitted	Passed	Admitted	Passed	Admitted	Passed
78	42	25	20	14	11	14	10

Evaluation:

The final examination, written and oral, will be held after completing the each semester. Distribution of marks will be written – 200 and oral – 100 for Certificate Part – I, Part – II and Diploma Part – I course and written – 300 and oral – 100 for Diploma Part – II course.

9.2 INSTITUTE OF ENGLISH

119, S.P. Mukherjee Road, Kolkata –700 026, Phone 2466-3039.

Website : www.instituteofenglishcalcutta.org

The Institute of English, Calcutta (IEC) was founded in close collaboration with the British Council, Division of British Deputy High Commission, Calcutta through a Government notification (G.O. Number 3945 - Edn(D) dt 3.10.1962) in 1963. Since the inception, the Institute of English, Calcutta has been effectively handling the task of teacher training in the field of ELT entrusted to it, both in in-service and pre-service sectors. The Institute is still providing teachers of English with the necessary knowledge

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and understanding, skills and aptitudes apart from an active academic support in various forms. The Institute is unique in that it is not affiliated to any University and enjoys full academic autonomy in devising its own courses, framing syllabi, conducting examinations and conferring Diploma and Certificates. In the various aspects of its works, the Institute is in close touch with SCERT, NCERT, British Council, CIEFL (Hyderabad), WBBPE, WBBSE and WBCHSE.

Academic programmes at the Institute :

Regular Programme :

Name of the Programme	Seats	Duration	Eligibility
Diploma in English Language Teaching (DELT)	100	Four months	1. Teachers of English at the Secondary and Higher Secondary level 2. Graduates with Honours in English or Vocational / Communicative English
Certificate in English Language Teaching (CELT)	30	One month	Teachers of English at the junior secondary and primary and Graduates in any discipline
Improved Communication in English (ICE Advance)	50	50 hour	Madhyamik or equivalent
Computer Use in Teaching of English (CUTE)	18	30 hour	HS or equivalent with 50% marks
Advance Communication in English (ACE)	30	50 hour	Graduates in any discipline and/or Professionals
Certificate of Proficiency in Spanish	30	120 hour	HS or equivalent
Diploma in Spanish	30	130 hour	HS and a Certificate of Proficiency in Spanish from a recognized institution
Advance Diploma in Spanish	30	140 hour	

* M.A. in ELT and DELT in Distance mode are under consideration.

Course Profile

A. *DELT and CELT*

■ Aims and objectives :

- To help the trainees improve their own English
- To equip the trainees with necessary skills for teaching English
 - By developing awareness of the key theories and principles of English language teaching and learning at various levels
 - By helping the trainees to make effective classroom use of teaching materials in the primary textbooks (in case of CELT) and secondary course book in case of DELT
 - By providing a hands on training of classroom teaching of English by observing, practicing, and evaluating teaching
 - By helping them to prepare and administer appropriate tests
- To provide a basis for continued professional development

B. *Certificate courses in Improved Communication in English or ICE(Basic and Advance)*

■ Aims and objectives :

- An overall enhancement of the participant's competence in English in two subsequent phases
- Making the participant a proficient user of English by making them enjoy communicating in English

C. *Computer Use in Teaching of English or CUTE*

■ Course Components

- Introduction to Computer basics
- Using Microsoft Word
- Creating Power Point Presentation templates
- Making a presentation Using Power Point
- Internet Exploration, Web-search and downloading files from the net
- Using Computers as an aid to Teach English in language classrooms

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D. *Extension Activities*

- Offering Communicative English courses in collaboration with a few undergraduate colleges in and around Kolkata.
- Offering intensive programmes in communicative English as when asked by different business houses and academic institutions.
- Offering expertise in the field of ELT to different statutory bodies like West Bengal Board of Primary Education, West Bengal Board of Secondary Education, West Bengal Council of Higher Secondary Education as and when required.

9.3 WEST BENGAL JOINT ENTRANCE EXAMINATIONS BOARD

AQ-13/1, Sector-V, Salt Lake City, Kolkata-700 091
Ph. : (033) 2367-1148, Fax : (033) 2367-1198

The West Bengal Board of Examination for admission to Engineering, Medical and Technological Degree Colleges was formed as West Bengal Board of Examination for admission to Engineering Degree Colleges in the year 1962 vide Order No. 828-Edn(T) dated 02.03.1962 in terms of an Executive Order issued by the Higher Education Department (Technical Branch), Government of West Bengal. The basic purpose was to select candidates for consideration for admission to the State Universities/Colleges/ Institutions on the basis of the results of a single competitive examination which would also lead to saving of time, energy and expenditure on the part of the candidates in appearing at number of entrance tests.

Presently the Board has been functioning at the State Book Board buildup at AQ13/1, Sec-V, Salt Lake City, Kolkata-700091.

Prof. Sidhartha Dutta, Pro-Vice-Chancellor, JU is the Chairman of this Board while twenty nine other Members including the heads of professional Universities/Colleges, Officials from the Departments of Higher Education and Health of the Government of West Bengal constitute the board Member-Secretary happens to be a (retired) senior faculty member of Bengal Engineering and Science University, Shibpur. The total number of candidates appearing in all examinations taken together has increased from 5,000 in 1962 to more than 1.10 lakh in the year 2008-09.

Following Entrance Examinations are conducted by the Board at present for admission to different professional courses.

JEM – Joint Entrance Examination for admission to Engineering Degree Colleges started from 1962 and Technological Degree Colleges from 1971. Presently Govt. Engineering Colleges, Private Engineering Colleges and Universities in West Bengal admit their students for Engineering and Technology through Joint Entrance Examination. Since 1990 the admission to B.Arch. Course in two Universities is being held through the Joint Entrance Examination (GDAT). The admission of all Medical/Dental Colleges in West Bengal through Joint Entrance Examination started from 1972. The Degree Courses of Veterinary Sciences & Animal Husbandry and Fishery Sciences awarded by the West

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Bengal University of Veterinary Sciences admit their students through Joint Entrance Examination from 2004-05. From 2009-10, a Separate entrance is being held. The Degree Colleges of Ayurvedacharya are admitting their students from 1992 and Homoeopathy from 1997, B. Sc. Physiotherapy and Unani from 1999. The students for B.Sc. (H) Nursing Course in various Private and Govt. Nursing Colleges are also going to admit their students through Joint Entrance Examinations conducted by the West Bengal Board of Examination. Presently a separate entrance exam is conducted by the board for these health related Courses.....?

JECA – The West Bengal Board of Examination started the Joint Entrance Examination for admission to Master of Computer Application Course (MCA) of Bengal Engineering and Science University, Shibpur (erstwhile B. E. College) and Jadavpur University from 1989. Presently, all Govt. and Private Engineering Colleges and Universities in West Bengal admit their students of MCA Course through Joint Entrance Examination (JECA).

JELET – Lateral entry admission to 2nd year of the four years course of Bachelor Degree in private and Govt Engineering/Technological College/Universities in West Bengal through joint entrance examination conducted by the West Bengal Board of Examination from 2002.

JEHOM – West Bengal Joint Entrance Examinations Board also conduct the joint entrance examination for admission to the Bachelor Degree Course of Hotel Management.

A brief outline of different Entrance Examinations conducted by the West Bengal Joint Entrance Examination Board during the year 2008-09 for admission of the students to professional courses in Universities/Colleges in West Bengal. (To be updated)

Sl. No.	Name of the Exam.	Name of the Degree Courses	No. of Colleges/ Universities
1	JEM	i) Engineering/Technological (BE/B.Tech) ii) Medical + Dental (MBBS +BDS) iii) B.Arch. iv) Ayurvedacharyya (BAMS) v) Homoeopathy (BHMS) vi) B.Sc.Physiotherapy vii) Unani viii) Veterinary Sc.& A.H and Fishery Sciences (B.V.Sc. &A.H) and B.F.Sc. ix) B.Sc (H) Nursing	74 10 + 4 2 2 4 (Govt) + 8 (Pvt) 1(Govt) + 10 (Pvt) 1 1 7

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2	JECA	Master of Computer Application (MCA)	32
3	JELET	Engineering / Technology (through Lateral Entry)	64
4	JEHOM	Bachelor Degree in Hotel Management	4

9.4 NETAJI INSTITUTE FOR ASIAN STUDIES (Estd. 1981)

1, Woodburn Park, Kolkata - 700 020

Telefax : 2287-3145; Telephone : 2283-5079; Email : nias@cal2.vsnl.net.in

Established Netaji Institute For Asian Studies was established in 1981 as a social science research institute, sponsored in the Department of Higher Education, Government of West Bengal. A regular maintenance grant from the state government and mobilization of additional resources has enabled NIAS to pursue its mandated research agenda on (a) Indian National Movement, especially the role of Netaji Subhas Chandra Bose and the Indian National Army; (b) trends in the nation-building processes in South and South-East Asia and (c) Asian relations.

I. The Faculty :

1. Dr. Suranjan Das, Vice-Chancellor ,University of Calcutta, who is functioning as the Honorary Director of the Institute.
2. Dr. Mamata Desai is Professor, Department of Ecology and Environment.
3. Professor Apurba Mukhopadhyay is Professor in Political Science on a Salary Protection Fellowship currently continuing as a Research Fellow.
4. Dr. Salma Sultana currently as a Research Associate in the Department of Ecology and Environment. .
5. Dr. Ramkrishna Chattopadhyay Honorary Fellow of the Institute.

II. On-going Research Projects of the Institute :

1. **‘Socio-economic Impact Assessment of the Underprivileged Groups and Rapid Urban Development’**, coordinated by Professor Mamata Desai and funded by the Department of Higher Education, Government of West Bengal.
2. **‘Geological survey for suggesting remedial measures in respect of rehabilitation of NH 55 – Giddhapahar area at KM 34 on NH 55 in the District of Darjeeling – West Bengal’**, coordinated by Professor Mamata Desai and sponsored by the N.H. Authority of India, Government of India.

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3. **'Marginal Groups in Kolkata'**, coordinated by Dr. Ramkrishna Chattopadhyay and funded by the Department of Higher Education, Government of West Bengal.
4. A collaborative project on **'Women in Kolkata Slums'** with Kolkata Socio-cultural Research Institute, funded by the Department of Higher Education, Government of West Bengal.
5. **'Select Documents on Swadeshi Movement in Bengal'**, coordinated by Professor Hiren Chakrabarti and funded by the Department of Higher Education, Government of West Bengal.
6. **'Politico-economic development in Rural Bengal Panchayat System — the role of women'** coordinated by Professor Chitra Ghosh and sponsored by the Department of Higher Education, Government of West Bengal.
7. **'Towards a Social History of Vintage Calcutta — B. B. D. Bag as a Heritage Site'** coordinated by Professor Basudeb Chattopadhyay and funded by the Department of Higher Education, Government of West Bengal.
8. **'Changing Ecological and Demographic Profiles of the Tea Gardens in the Kurseong Subdivision, Darjeeling District,'** co-ordinated by Dr. Mamata Desai and funded by Department of Higher Education, Government of West Bengal.
9. **'Netaji Subhas Chandra Bose and Municipal Administration in Calcutta'**, coordinated by Professor Ramkrishna Chattopadhyay.
10. **'Economic Importance of SHGS for Women Development'**, coordinated by Professor Mamata Desai and funded by the Department of Higher Education, Government of West Bengal.
11. **'Potentials of South Asian Regional Cooperation'**, coordinator Professor Suranjan Das, sponsored by NIAS and Peace Studies Group, University of Calcutta.
12. **'Subhas Chandra Bose and the Secular Politics in India'**, coordinated by Professor Ashok Mukhopadhyay and sponsored by the Department of Higher Education, Government of West Bengal.
13. **'Dynamics of Syncretistic Traditions in Colonial and Post Colonial Bengal'**, coordinated by Professor Suranjan Das and Dr. Amit Dey and funded by the Department of Higher Education, Government of West Bengal.
14. **'Sacred Groves and Biodiversity conservation Birbhum District, West Bengal'**, coordinated by Professor Mamata Desai and funded by the Department of Higher Education, Government of West Bengal.
15. **'Broadening the comprehensive security agenda in South Asia: Linking Traditional and Non-Traditional Security'**, coordinated by Professor Suranjan Das and Dr. Shantanu Chakraborti and sponsored by the Department of Higher Education, Government of West Bengal.

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16. '**Citizen Subhas Chandra: Managing Civic Administration in Colonial Times**', coordinated by Professor Mohit Bhattacharya and funded by the Department of Higher Education, Government of West Bengal.
17. '**Terrorism in India-conceptually Speaking**', coordinated by Professor Apurba Mukhopadhyay and funded by the Department of Higher Education, Government of West Bengal.

III. Important Seminars/Workshops organised by the Institute :

1. A seminar on '*Afro-Asian Solidarity Movement: Contemporary Relevance*' lecture delivered by Professor Aswini Ray, New Delhi was held on 28.05.2008
- 2) Lecture delivered by Satyabrata Dutta on '*Academic and Social Commitments of Teachers*' was held on 18.06.2008
- 3) A seminar on '*Media Society Interface under Changing Waves of Globalisation*' on 14.08.2008, in which the main speakers were Prof. Soumendranath Bera, Professor Abhirup Sarkar, Professor Dipankar Sinha, Shri Snehasis Sur and Sri Debasish Chakrabarti.
- 4) The Annual Sarat Bose Lecutre 2008, was delivered by Professor Priyadarshi Mukherji of Jawaharlal Nehru University, New Delhi, was held on 12.09.2008
- 5) Professor Pranab Banerji of Indian Institute of Public Administration, New Delhi, delivered a lecture on '*Recent Global Economic Crisis and its Impact on South Asia with special reference to India*' was held on 16th December 2008.
- 6) A seminar on '*Indigenous Methods of Treatment of Diseases among the Tribal People*' was held on 16.01.2009 in which the speakers were Professor Buddhadeb Choudhury, Professor Ranjana Ray, Dr Mita Sarkar, Professor R. K. Bhakat, Professor N. Paria and Dr. Kumud Ranjan Naskar.
- 7) Professor Sabyasachi Bhattacharya, Chairman, Indian Council of Historical Research, New Delhi, delivered the Annual Netaji lecture on 23rd January 2009.
- 8) On 3rd February 2009 a seminar on '*Contemporary Perspectives on Politics in East Asia*' is scheduled to be held which will be addressed amongst others by Professor Chang-hee Nam of Inha University, Republic of Korea.
- 9) Organised a workshop '*Coastal Areas of West Bengal: People and Environment*' on 13.03.2009
- 10) Organised a workshop for Junior Scientists on '*Urban Sprawling in West Bengal – Impact Assessment*' on 18.03.2009.
- 11) Organized a workshop in collaboration with the Department of Political Science, University of Calcutta on '*Democratic Governance and Political Theory*' on 24.03.2009.

IV. Seminars/Workshops attended by Faculty members:

(i) *Dr. Suranjan Das:*

1. Participated in a seminar on 'Central Asia-India Dialogue: Building a Partnership on the Foundation of Rich Cultural Historical Heritage' at Tashkent under the auspices of the Tashkent State Institute For Oriental Studies and the ICCR from 13 to 15 March 2008.
2. Participated in an academic delegation of Vice-Chancellors to Israel from 6 July to 12 July 2008.
3. Participated in an interactive session at the Institute of Oriental Studies of the Russian Academy of Sciences, Moscow, Russia, on 13th September 2008.
4. Participated in national seminars and workshops in History and International Politics organised by Calcutta University, Jadavpur University, Burdwan University, North Bengal University, Rabindra Bharati University, University of Kalyani, North-East Hill University, Jamia Millia Islamia and University of Hyderabad.

(ii) *Dr. Mamata Desai:*

1. Science and Technology Fair 2008 held from 12th to 20th April 2008, organized by Institute of Social Studies, Kolkata on delivered lecture on 'Disaster Management'
2. Attended and participated in the workshop on 'CMZ Notification 2008 and Reach Regulation of EU,' organized by CII & DESWM on 6th June 2008.
3. Attended and participated in the workshop on 'Training Need Assessment for Sustainable Coastal Zone Management in West Bengal', organized by Institute of Environmental Studies and Wet Land Management, Department of Environment, Government of West Bengal, on 5th August 2008.
4. Attended and participated in the workshop on 'Travelling Exhibition and Workshop on Sacred Groves of India' organized by Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal in collaboration with Centre for Interdisciplinary Studies, Barrackpore, on 5th September 2008 at Natyaghar and Nandan Gallery, Visva-Bharati University.
5. Attended and participated in the seminar on 'Contemporary Issues in Geography', organized by Indian Geographic Foundation and ASI, Government of India, on 27th February 2009.

(iii) *Prof. Apurba Mukhopadhyay*

Regularly participates and presents papers in national seminars and workshops in Political Science and International Politics organised by Calcutta University, Jadavpur University, Burdwan University, North Bengal University, Rabindra Bharati University, University of Kalyani, North-East Hill University

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(iv) Dr. Salma Sultana :

- 1) Participated in the Seminar on 'Contemporary Issues in Geography' organized by Indian Geographical Foundation' (IGF) - February 27-28, 2009 and presented a paper on "Land Capability – An Approach to Watershed Management: Mahanadi & Balason Basins, Darjeeling District, West Bengal", held at Anthropological Survey of India, Kolkata
- 2) Participated in the National Seminar on 'Contemporary Issues of Environment and Development' organized by Institute of Landscape, Ecology & Ekistics (ILEE) – 4th March 2009 and presented a paper on "Land Capability Classification for Optimizing Landuse Planning with special reference to Kurseong Block, Darjiling District, West Bengal" held at University of Calcutta.
- 3) Participated in "The Grand 21st Anniversary celebration of colour Transparency & CD/VCD/DVD Festival" on Saturday the 7th March, 2009 organised by Indian Association for Colour Transparency and presented a paper on "A journey to California" at Birla Industrial & Technological Museum, Kolkata
- 4) Participated in the 4th Data Quest E Gov Summit 2008, strategies for Inclusive Growth held in Kolkata
- 5) Participated in the workshop on "Training Need assessment for sustainable Coastal Zone Management in West Bengal" At Stadel Hotel, Yuva Bharati Krirangan Kolkata 91 Kolkata on 5th August, 2008
- 6) Participated in the workshop on "Coastal Zone Management" At the American center, Kolkata on 11th to 12th August, 2008
- 7) Participated in the workshop on "Traveling Exhibition and Workshop on Sacred Groves of India" organized by Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal in collaboration with Centre for Interdisciplinary Studies, Barrackpore, on 5th September 2008 at Natyaghar and Nandan Gallery, Visva – Bharati University.
- 8) Participated in the National Seminar on 'Ganga Delta: Development Perspectives' Department of Geography, University of Calcutta, on 6th March 2009

V. Important Recent Publications of the Institute

- *Giddhapaharer Basu Bari* by Chitra Ghosh (Kolkata: 2009)
- *Digha Coastal Zone Natural Hazards and Livelihood Development*, Mamata Desai and Salma Sultana, published by Netaji Institute for Asian Studies, Kolkata, 2009
- *Asian Studies* (Institute's biannual journal).

- Mamata Desai (ed.) *The Sun is Rising: Status of Literacy among the Primitive Tribes of West Bengal* (Kolkata: 2008)
- Suranjan Das and Premangshu Kumar Bandopadhyay (eds.) *Food Movement since 1959: Documenting a Turning Point in the History of West Bengal, Vol. - II* (Kolkata: 2008)
- Co-published with Nikhil Banga Prathamik Sikshak Samiti, *Sangram Andolane Nikhil Banga Prathamik Sikshak Samiti (1935-2005) Part II* (Kolkata: 2008)
- Suranjan Das and Basudeb Chattopadhyay (ed.), *On the Banks of River Hooghly* (forthcoming).

VI. The Library :

With the financial help from the Government of West Bengal the Institute has been able to enrich its collection on Indian National Movement, post-colonial developments in South Asia and Asian relations. A scheme has been undertaken to revive the Newspaper Clippings section of the Library. The books in Library have also been cataloged, both author-wise and subject-wise.

VII. Netaji Museum and Centre for Studies in Himalayan Languages, Society and Culture :

The Museum and Centre was set up in the house of Sarat Chandra Bose at Giddhapahar, Kurseong under the aegis of NIAS. Between 1933 and 1935 Sarat Chandra was interned in this house for two years. Netaji himself was interned in this house for seven months in 1936. He again spent a few days in this house in October 1937. Sarat Chandra and his family used to stay in this house frequently after his release from the prison in 1945. Even in the 1950s Bibhabati Devi, wife of Sarat Chandra, spent their holidays in Giddapahar along with her family members, the last occasion being in 1954. Thereafter, for more than three decades the house remained unused, neglected and unattended. In 1996 the Department of Higher Education, Government of West Bengal, initiated the process of acquiring the house. Subsequently, the Government of West Bengal restored and renovated the house and handed it to Netaji Institute For Asian Studies, Kolkata. Under the aegis of Netaji Institute For Asian Studies the historic house was converted into Netaji Museum and Centre For Studies in Himalayan Languages, Society and Culture, which was formally inaugurated on 23 April 2000 by Professor Satya Sadhan Chakrabarti, the then Hon'ble Minister-in-Charge for Higher Education, Government of West Bengal.

Shri Buddhadeb Bhattacharjee, the Hon'ble Chief Minister of West Bengal, visited the Museum on 3 November 2001 and laid the foundation-stone of the Guest House of the Centre. On that occasion the Hon'ble Chief Minister of West Bengal, also unveiled the bust of Subhas Chandra Bose, while Professor Satya Sadhan Chakrabarti, the then Hon'ble Minister-in-Charge,

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Department of Higher Education, Government of West Bengal, unveiled the bust of Sarat Chandra Bose. On 20 May 2005 Shri Gopalkrishna Gandhi, His Excellency the Governor of West Bengal, opened the picture gallery of the Netaji Museum, designed and developed by the Indian Museum, Kolkata. The Museum is now a site of popular attraction for tourists and local residents alike.

9.5 NATIONAL SERVICE SCHEME (N. S. S.)

The National Service Scheme is a noble Youth Activity of our country started in 1969 on the occasion of the birth centenary of Mahatma Gandhi. The main objective of NSS is 'Education through Community Service'. "Not me but you" is the motto of NSS which means every person should realize that not he alone or she alone is important but the society in which he or she lives is on the whole important. NSS activities are multipurpose as well as multidimensional in their nature. And in practice, these activities take an important part to the service of mankind and in execution of the process of formation of the future generation of the country through various constructive programmes. The phenomenal success of Science and Technology in his service has made man forget the long cherished values such as love, peace, co-operation and tolerance etc. Materialism and its comfort shifted the importance of life to mere acquisition of material health. Further Globalisation has thrown the values out of greater life.

The modern dehumanised materialistic civilisation has been neglecting human values. And, it is only the NSS activities which can lead young ones to become more meaningful and fruitful to the society which in an extended sense encompasses the entire humanity. As NSS has launched the movement of Awareness, Sensitization, Motivation, Dedication, Service etc. its thousands of volunteers as well as dedicated teachers from schools and colleges are always active and sincerely busy in inculcating the basic principles and values of NSS among the student community through their society- friendly programmes and issues as Environment Enrichment and Conservation, Women's Development and Gender Justice, Production orientated programmes. Education and Recreation, Health, Family Welfare and Nutrition of the weaker section of the society, Social Service, Relief and Rehabilitation, Socio-Economic Surveys, Health Awareness and Scientific Awareness Generation etc. Involvement of Youth in Social Activities is a crying need of the day. Social responsibility should be taught through projects like NSS.

West Bengal is one of the first few States where NSS has been introduced since its inception in the country in 1969,. But over the years, it could not hold the momentum and has now slipped from the top rung in the arena of NSS. In the days to come, NSS activities will further be strengthened to take it to the optimum level by sincerity and commitment of all concerned.

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Allotment of N.S.S. volunteers for the year 2008-2009 :

Sl. No.	Name of the University/Institution	Allocation of N.S.S. volunteers	
		Regular activities	Special camping
1.	Jadavpur University	3,000	1,500
2.	Burdwan University	22,000	11,000
3.	Viswabharati University	1,800	900
4.	North Bengal University	13,000	6,500
5.	Vidyasagar University	15,000	7,500
6.	W.B.H.S.Council (+2)	17,302	8,151
7.	Kalyani University	6,000	6,050
8.	Calcutta University	12,100	5,000
9.	Bidhan Chandra Krishi Viswavidyalaya	500	250
10.	Uttar Banga Krishi Viswavidyalaya	Nil	Nil
11.	I.I.T., Kharagpur	800	400
12.	West Bengal University of Animal & Fishery Sciences	Nil	Nil
13.	Rabindra Bharati University	700	350
14.	N.I.T., Durgapur (D.U.)	500	250
		93,702	46,851

The fund for NSS Regular Activities & Special Camping Programme State Share for the year 2008-2009 has been released by the Government. The Budget provisions for N.S.S. is now Rs.3 (three) crore for the State share during the financial year 2009-2010.

ACADEMIES AND ORGANISATIONS

Highlights of the achievements of N.S.S. in West Bengal (2008-09) :

- (1) The Volunteer strength for National Service Scheme for the financial year has been enhanced by Govt. of India – Regular activities 93,702 and For Special Campus 46,851 during the year 2008-09.
- (2) N.S.S. has been introduced in more no. of Colleges/Institutions/H.S.Schools for the year 2008-09.
- (3) An audit team consisting of representatives of H.Ed. and Dy. Programme Advisor, Regional Centre, N.S.S., Govt. of India was deputed for the first time to audit Accounts and activities of N.S.S. at different Universities. The Team has already audited 11 institutions.

Programme :-

- (4) For the first time a State Level Facilitation to N.S.S. functionaries were held by the Higher Education Deptt. and thirty two students and teachers were falicitated at Jadavpur.
- (5) A State Level Seminar-cum Organisation programme were conducted (a) at Calcutta University (2) at W.B.H.S. Council with the theme “Healthy Youth for Healthy India.”
- (6) Eight students for West Bengal, has been selected for the National Contingent of N.S.S. for Republic Day Parade to be held on 26th January, 2009. The students are attending the Camp.
- (7) 10 N.S.S. students for different colleges have participated in National Integration Camp at Rourkella, Orissa.
- (8) Two N.S.S. Programme Officers of N.S.S. has participated in the workshop held at Shillong.
- (9) 10 N.S.S. volunteers of our State selected for National Youth Convention day National Youth Festival held at Amritsar.
- (10) A State Level Poster Competition were held by the Regional Centre, N.S.S., Kolkata.
- (11) Four Refresher and Orientation Course has been conducted by T.U.R.C., Narendrapur and Programme Officers for our State have already participated.
- (12) University Level Advisory Committee were held by the different Universities/Institutions during the year 2007-08.
- (13) Six N.S.S. volunteers participated on N.I.Camp held at Guwahati, Assam for 1st to 7th Dec., '08 and sixteen students participated on N.I.Camp at B.H.U.Varanasi.

9.6 PASCHIM BANGA HINDI ACADEMY

1, Bankim Chatterjee Street,
(In the Old Building Complex of the Government Sanskrit College)
Kolkata -700 073, Phone : 2219-1277

The Paschim Banga Hindi Academy founded in 1990 functions under the administrative control of the Department of Higher Education.

I. AIMS AND OBJECTIVES

The main objective of the Academy is to encourage the study of Hindi language and literature in the State of West Bengal, especially among the non-Hindi speaking people, both the rural and urban areas. The other objectives of the Academy are :

- (1) to encourage and undertake translation of Bengali classics and scholarly works in Bengali on literature, history, science and technology – into Hindi;
- (2) to publish Hindi text books for different classes following the syllabi and curricula meant for non-Hindi speaking people;
- (3) to undertake and encourage research in Hindi language and literature, etc.

II. STRUCTURE

The academy has a General Council consisting of 61 members, a Governing Body consisting of 23 members. The Governing Body has constituted five sub-committees consisting of 5 members each. The Chief Minister, Government of West Bengal and the Minister-in-Charge of Higher Education Department, Government of West Bengal are the Chairman and the Vice-Chairman respectively of the Paschim Banga Hindi Academy.

9.7 WEST BENGAL DISTRICT GAZETTERS

The office of the State Editor, West Bengal District Gazetteers was set up in the late fifties to implement the Government of India Schemes of revision of Gazetteers which were compiled and published during the British Rule. Since then research, Compilation and publication of Gazetteers have been invoked for long periods. Thereupon many original district reports for making gazetteers were published. Besides that worthwhile reprints written by different personalities like Hunter, F.D. Ascoli, F.E. Pergiter's reports were also published. But now in view of audit objection for printing, the production of C.D. has been taken into consideration for the report (1) Rivers of Bengal Vol.IV, (2) Sannyasis Fakirs and Maghs by J.M. Ghosh.

ACADEMIES AND ORGANISATIONS

Staff pattern of the office

The staff pattern in this office is quite different from other offices; as this office is a publication-oriented one with its own accounting system; Editorial/Research/Publication Wings; Own Library enriched with precious rare books; own Sales Counter, etc. Having been set up in 1959 at the instance of the Government of India, the office has been writing/compiling/revising/editing and publishing West Bengal District Gazetteers and allied literature, initially under the guidance of the Expert Committee of the Government of India and then the State Advisory Committee.

Since the research compilation and publication of Gazetteers has been invoked for long periods. Thereupon many original district reports for making Gazetteers were published. Besides that worth which reprints written by different personalities like Hunter, F.D. Ascoli, F.E. pergiter's reports were also published.

The following books have been taken into consideration for printing :

- 1) Rivers of Bengal Vol-IV
- 2) Sanyasis, Fakers and Moghs by J.M.Ghosh.

Apart from the printing of books, this office participates in the book fair to earn revenue. Of late District Gazetteers office has participated in Delhi book fair through State Book Board.

Total 280 copies of published books were sold in 2007-08. Revenue earned during the financial year 2007-08 Rs. 47,166.00.

9.8 WEST BENGAL STATE ARCHIVES

43, Shakespeare Sarani, Kolkata -700017 (Ph.No. 22810661)

6, Bhowani Dutta Lane, Kolkata -700073 (Ph.No. 22413966/22411044)

Writers' Buildings, Block II, Ground Floor, Kolkata -700001 (Ph.No. 22141339).

1. INTRODUCTION :

The West Bengal State Archives is the oldest repository of Government records in the country. Apart from preservation of non-current Government and other records and acquisition of new series for their use by the bonafide scholars, the archives plays an important role in generating awareness among the discerning common people about public records of historical importance. At present the West Bengal State Archives functions from three wings, viz. a) Historical Section at 6, Bhowani Dutt Lane, Kolkata- 700073, which preserves records upto 1900. b) Current Section at Writers' Buildings, Kolkata- 700001, where post-1900 records are housed and c) New functional building at 43, Shakespeare Sarani, Kolkata 700017, which preserves the Intelligence Branch (I.B.) and P.W.D. records. A photo archives and a photo gallery on the freedom fighters have been created in the same premises. A Police Archives wing, led by two senior officials, specially devoted to the tasks of

accession and preservation process of I.B. records, is functioning as part of the West Bengal State Archives.

2. ORGANISATIONAL STRUCTURE :

Till 11.02.09, the West Bengal State Archives functioned as a branch office under Higher Education Department of Government of West Bengal, headed by the Director of Archives. Over the last 7 years, several requests were formally received from National Committees on Archives as well as from various eminent historians of the country that for smooth functioning and development of the West Bengal State Archives, its status should be upgraded from a branch office to a separate Directorate, in tune with the system already prevailing in 13 other States of the country. On 30th July, 2008, the newly constituted Advisory Committee of the State Archives resolved that a proposal for elevation of West Bengal State Archives to the status of a Directorate should be forwarded to the Department of Higher Education, Government of West Bengal. The former Directors of West Bengal State Archives had also submitted such a proposal to the Department of Higher Education. On 23.12.2008, a Cabinet decision was taken by Government of West Bengal in favour of conversion of West Bengal State Archives to a separate Directorate under the Higher Education Department, and on 11.02.2009, a Government Order was issued by Higher Education Department that henceforth the State Archives of West Bengal would function as a separate Directorate under Higher Education Department, Government of West Bengal.

3. RECONSTITUTION OF THE ADVISORY COMMITTEE :

As indicated earlier, the Advisory Committee for State Archives was reconstituted with Professor Barun De as the Chairman, and other members being Professor Sabyasachi Bhattacharya, Professor Suranjan Das, Professor Arun Bandyopadhyay, Shri Ramkrishna Ray, Professor Subhas Ranjan Chakraborty, Shri Sandhi Mukherjee, Dr.Ramkrishna Chatterjee, and Professor Atis Dasgupta, Member Secretary, on 21.07.2008 by Order No. 1105-HE (ESTT). The first meeting of the newly constituted Advisory Committee was held on 30.07.2008. the Committee discussed on different issues, such as, elevation of West Bengal State Archives to the status of a separate Directorate, formulation of Public Records Act, solution of space problem for the State Archives, celebration of Annual Archives Week, publication programme, and improvement of infrastructural aspects in three wings of the State Archives. After in-depth deliberations, specific resolutions were unanimously adopted in this meeting of the Advisory Committee, which was attended by Shri Prasad Ranjan Ray, the then Additional Chief Secretary & Principal Secretary, Higher Education Department, Government of West Bengal.

4. EXHIBITION :

As resolved in the meeting of the Advisory Committee, an exhibition was organised, from 26th February to 4th March, 2009, in the Shakespeare Sarani premises to observe the Archives Week to

ACADEMIES AND ORGANISATIONS

commemorate the centenary of Martyrdom of Prafulla Chaki, Khudiram Bose, Kanailal Dutta and Satyendranath Bose in India's freedom struggle. The exhibits were based on rare archival documents relating to the four martyrs. Professor Sudarsan Raychaudhuri, Hon'ble Higher Education Minister, Government of West Bengal, inaugurated the exhibition. Professor Barun De, Professor Sabyasachi Bhattacharya, and Shri S.C.Tewari, Principal Secretary, Higher Education Department graced the occasion by their presence. Two former Directors of the State Archives and other eminent educationists of West Bengal were present on the occasion. The exhibition will remain open for the visitors throughout the year (2009) in the permanent exhibition gallery of the State Archives at 43, Shakespeare Sarani, Kolkata-700017.

5. PUBLICATION

As a continuing programme of celebration of the centenary year of Anti-Partition Movement of Bengal (1905), a book entitled "*Folk Theatre and The Raj- Selections from Confidential records of East Bengal And Assam*" edited by late Professor Basudev Chattopadhyay, former Director of Archives, was released by the Hon'ble Higher Education Minister, Professor Sudarsan Raychaudhuri, on the occasion of the celebration of Archives Week.

The Advisory Committee resolved in the meeting (dated 30.07.2008) that the preparatory work for publication on "*The Great Revolt of 1857 in Bengal*" and "*Growth and Urbanization of 19th Century Calcutta*" should be completed. "*State Archives Review*" Volume 2, the journal of West Bengal State Archives will be published soon.

6. TRAINING COURSE:

West Bengal State Archives imparts specialised training and guides the students of different institutions on the management and conservation of rare paper documents.

Three months' training on conservation was organised from 3rd November, 2008 to 30th January, 2009. Six trainees from Port Trust, Paschimbanga Bangla Akademi and Micropics participated in this training programme and certificates were issued on their successful completion of the training course.

During the period under review, a team of librarians visited the Conservation unit of State Archives in connection with their refreshers' course.

During this period, a student of M.A., Department of Museology, Rabindra Bharati University, carried out her research work on "Book Conservation" under the guidance of the authorities of the State Archives.

7. COMPUTER AND DIGITAL UNIT :

Digitization work of glass slides (approx. 26,000) is in progress in Shakespeare Sarani premises. Scanning of records (B files) and storing the images in CD are also going on. Proposals have been

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submitted for installation of Photoshop CS4 in the computer of photo archives and Broad Band connection for opening Website of West Bengal State Archives. A heavy-duty face-up scanner will soon be installed in Bhawani Dutt Lane premises.

8. CONSERVATION UNIT:

Conservation of age-old valuable documents is the primary function of State Archives. The work of repairing the records of I.B., Home(Political), Judicial, P.W.D., Index, and the preparation of albums for preserving photographs of freedom fighters (which were received from I.B.) have been carried out systematically.

9. LIBRARY:

The library of West Bengal State Archives is known for its rich and rare collection. The software is going to be installed for the preparation of digitized catalogue. The number of additional books accessioned (during 2008-2009) amounts to 104.

10. RESEARCH AND REFERENCES:

183 scholars have used the research rooms of the three wings of the State Archives for their research work during the period under review. Preparation of reference media of P.W.D. (Rail) and I.B. records are in progress.

11. ACCESSION:

6155 files of Intelligence Branch were appraised and accessed.

12. PARTICIPATION IN SEMINARS/WORKSHOPS ETC.:

As a part of their official functions, the archival officers have attended several seminars and participated in academic discussions in different parts of India in order to enrich and update their knowledge in respect of development of archival science and the new areas of historical research currently undertaken..

13. RENOVATION OF THE STATE ARCHIVES PREMISES:

As a part of development programme of West Bengal State Archives the work of renovation of Archival Buildings have already been taken up by the P.W. (Civil) Department in 6, Bhawani Dutt Lane and 43, Shakespeare Sarani premises.

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14. MISCELLANEOUS: ACADEMIC ACTIVITIES OF THE DIRECTOR (PROFESSOR ATIS DASGUPTA) :

(i) Lectures :

1. As an invited speaker at the UGC-sponsored course organised by Department of Library Science, Calcutta University, delivered a lecture on 'Role of library and information professionals in the 21st century India', in March 2009.
2. As an invited speaker at a national seminar organised by IASLIC at Bose Institute, delivered a lecture on 'Problems and possibilities in digitization of archival documents', in January 2009.
3. As an invited speaker at an international seminar organised by Goethe-Institut, Max Muller Bhavan, addressed a lecture on 'Indian Humanism under colonialism and after', in November 2008.
4. As the main speaker in a seminar (organised by the state-level Committee for celebration of the Great Revolt of 1857) at Sarat Bhavan, Howrah, delivered a lecture in March 2009 on the 'Impact of the Revolt of 1857 on India's freedom struggle'.

(ii) Functioning as Member of the learned bodies/institutions/editorial committee.

1. Member of the Council and the Academic Committee of the Asiatic Society
2. Member of the Governing Body of the Institute of Development Studies, Kolkata
3. Member of the West Bengal Heritage Commission
4. Member of the Governing Body of Kolkata Museum Society at Town Hall
5. Member of the Executive Council of the State University in North 24 Parganas, West Bengal
6. Member of the Governing Body of Netaji Institute for Asian Studies.
7. Contributing editor of *Social Scientist*.

(iii) Publication

Published a paper "Visit of Professor P.C. Mahalanobis to China: his report and its significance" in the *Journal of the Asiatic Society*, Volume L1, No. 1 (January-April 2009), pages 67-76.

(iv) Participation in a research project of Indian Statistical Institute (ISI)

Participating as an expert and in honorary capacity in the ISI team for the project on 'Socio-economic conditions of the minority communities in West Bengal' (funded by West Bengal Minorities' Commission, Government of West Bengal).

9.9 WEST BENGAL STATE BOOK BOARD

6A, Raja Subodh Mallick Square (8th Floor),

Kolkata-700013

Telephone : 2236-7854 Tele Fax : (033) 22253223

Sales Counter :- 1, Bankim Chatterjee Street (Ground Floor of Sanskrit Collegiate School Premises), Kolkata - 700 073.

Pursuant to the recommendation of the Kothari Commission on 'Media Transfer' to implement the programme of switching over to regional languages as the medium of instruction at the level of Higher Education, Book Boards were formed in different States in the country. Accordingly, in the year 1970 the West Bengal State Foundation for Text Book Board was formed and registered under the West Bengal Societies Registration Act.

The authority of general superintendence, direction and control of the Society is vested in the Board of Governors of the West Bengal State Book Board. The Minister-in-Charge of Higher Education, West Bengal is the ex-officio Chairman of the Board. The Principal Secretary (Higher Education) to the Government of West Bengal is the Vice-Chairman and the Chief Executive Officer, is the Member-Secretary of the Board.

The maintenance cost of running the Board is borne by the Department of Higher Education of the Government of West Bengal. The Government of India, provides assistance for the publication of text books on the basis of proposals prepared by the Board.

The number of publications of the Board has been on the increase. It rose from 766 in 2000-2001 to 783 in 2002-2003 to 792 in 2003-2004, 801 in 2004-2005, 820 in 2005-2006; 838 in 2006-2007, 845 in 2007-2008 and 855 in 2008-2009.

The Board publishes text books for the use at the undergraduate and postgraduate levels of studies. The publications also cover terminologies, dictionaries and monographs in science for students and general readers.

The academic disciplines in which the Board has so far published books are as follows :

(1) Agriculture, (2) Botany, (3) Chemistry, (4) Commerce, (5) Computer Science, (6) Defence Studies, (7) Economics, (8) Environmental Studies, (9) Geography, (10) Geology, (11) History, (12) Journalism, (13) Law, (14) Literature, (15) Library Science, (16) Mathematics, (17) Music, (18) Physics, (19) Physiology and Medical Science, (20) Popular Science, (21) Philosophy, (22) Political Science, (23) Sanskrit, (24) Sociology and Human Studies, (25) Statistics, (26) Teachers' Training, (27) Zoology, and (28) Physical Education.

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In the year under review the Board concentrated on the publication of syllabus oriented text books. In 2002 the University of Calcutta thoroughly revised the syllabus of all subjects and the Board was considered as the principal organisation who are experienced in the publication of such text books. Therefore special efforts were made to constitute subject committees for a couple of subjects. Nearly 4(four) new books and 20(twenty) re-edition/reprint are now under the process of printing and will shortly be published by the Board.

The Board participates in the Book Fairs in different places both within and outside the State and get good response there.

9.10 WEST BENGAL STATE COUNCIL OF HIGHER EDUCATION

The West Bengal State Council of Higher Education, established under West Bengal Act XXXVII of 1994 started functioning in April 1995. Office of the Council is located at 147A Rashbehari Avenue, Kolkata 700029 in a building owned by the Higher Education Department. Functions of the Council, as stipulated in the Act are stated below :

- (a) Planning and coordination in the area of higher education in the State including co-operation with the UGC.
- (b) Academic functions e.g. curriculum development, teachers' training and encouragement of sports, games and extension activities.
- (c) Advisory functions in determining the basis and amounts of block maintenance grants, linking research with educational institutions and industry, framing and amendment of university statutes, regulations etc.
- (d) Allocation of grants to different universities and colleges and make enquiries regarding utilization thereof.

Activities Areas :

1. To formulate policy or action plan on important academic issues of general nature in consultation with the Universities of our state and within the framework of the guidelines issued time to time by the UGC or such other bodies. Some of the major issues on which the Council deliberated during the last one year and in some cases took policy decisions or finalized its recommendations are as follows :-
 - i) Bringing some uniformity in the criteria for admission into BA/BSC/BCom courses as adopted by different State Universities in view of the decision of the Higher Secondary Council to switch over to gradation system in lieu of according marks practised so far.

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- ii) Change in statutes of different State Universities in view of a recent order of the State Government granting leave salary to the teachers of the affiliated colleges on superannuation.
 - iii) To find a solution to the very serious crisis faced by the teacher education programme in our state in having mandatory recognition from NCTE.
 - iv) To review the status of Distance Programme conducted by the State Universities.
 - v) To apprise the Government the problems faced by our universities and colleges in implementing the guidelines issued by different Central regulatory bodies, which are changed/modified quite often without taking account, in many cases, the ground relations.
 - vi) To review the recent draft guideline issued by UGC in conducting M.Phil/Ph.D. programme throughout the country.
2. A major task entrusted to the State Council is to process and scrutinize the proposals for establishment of Degree colleges spread over all districts under pay-packet scheme of the State Government and to make suitable recommendation to the Government on the desirability of establishment of such colleges taking into account a number of socio-economic factors. 10 such proposals, after careful scrutiny had been forwarded to the competent authority during the year for favourable consideration.
 3. The Council had been entrusted with the responsibility of processing and scrutinizing the proposals for establishment of self-financing General colleges, B.Ed. Colleges and Law Colleges in different districts of the State and also undertaking spot inspection, if considered necessary, to study the desirability, suitability and viability of such proposals and then submit a report to this effect, to the Chairman of the Council. During this one year, the Council found 25 such proposals (inclusive of 1 General Degree College, 20 B.Ed. Colleges and 4 Law Colleges) which worth favourable consideration by the appropriate authority.
 4. The Council is entrusted with the duty of considering proposals for extension of affiliation of undergraduate colleges in new disciplines and to arrive at a decision on each such proposal in consultation with the concerned University. During the year, the Council recommended 8 PG subjects to be introduced in 12 colleges, apart from 429 recommendations covering 68 subjects of Arts and Science disciplines at UG level in different colleges.

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5. The Council, through constant efforts of its Quality Assurance Cell (QAC), is holding series of workshops with Principals and Co-ordinators of affiliated colleges in order to assist them in preparing for NAAC assessment. Efforts are being made (i) to initiate Quality improvement measures in the post accredited phase as follow up step and (ii) to motivate the unaccredited/ yet-to-be accredited colleges to undergo NAAC assessment/process without further delay.

During this financial year, as a result of very intense activities of the Cell, more than 26 colleges have been accredited by NAAC, bringing the total number of such colleges to 223, which is more than 55% of our total number of Degree Colleges, compared to the national average of 20%. Total number of accredited institutions at present stands at 237 (inclusive of 12 Teacher Education Departments/Colleges, 1 Art College and 1 Technology Institute). By that time, 3 Universities in the State had also been creditably re-accredited.

9.11 WEST BENGAL COLLEGE SERVICE COMMISSION (WBCSC)

6, Bhawani Dutta Lane (4th floor)

Kolkata – 700 073

Ph. No. Chairman : 2241-4679, Secretary 2241-6675,

Office : 2241-2920, Controller of Examinations : 2241-6674,

Fax No. : 2241-4679

The West Bengal College Service Commission came into existence on November 02, 1979 in terms of Act LXII of 1978, the four main functions of the Commission are :-

- 1) To prepare Merit Panels of eligible candidates for the post of Lecturer in different subjects as well as Principal in different Non-Government Colleges affiliated by Calcutta University, Burdwan University, Kalyani University, Vidyasagar University and North Bengal University.
- 2) To prepare Merit Panels of eligible candidates for the post of Librarians/Asstt. Librarians in different Non-Government Colleges affiliated by Calcutta University, Burdwan University, Kalyani University, Vidyasagar University and North Bengal University.
- 3) To recommend candidates for appointment as Lecturer as well as Principal.
- 4) To conduct University Grant Commission (UGC) Accredited State Eligibility Test (SET), formerly known as SLET for Lectureship in Universities and Colleges of West Bengal as a State Agency.

As per Notification in the Kolkata Extra-ordinary Gazette dtd. 29th August-2005 the West Bengal College Service Commission(Amendment) Act-2005, is being effected from 01-09-2005. The whole time Members of the Commission except the Chairman has been ceased to hold office w.e.f. 01-09-05.

There shall be five zonal units of the Commission :

i) The North Bengal University zone; ii) The Kalyani University zone; iii) The Burdwan University zone; iv) The Vidyasagar University zone ; v) The Kolkata University zone.

- 1) The State Govt. may, by order will determine the jurisdiction of every Zonal Unit of the Commission.
- 2) Every Zonal Unit of the Commission shall consist of the Chairman and two members of the Commission.
- 3) The members of the zonal unit of the commission shall render necessary advice to the Chairman in preparing a panel of eligible candidates based on the Interviews conducted exclusively for those who have applied for appointment within the zone of the respective Zonal Unit of the Commission.

The Constitution of the Commission :

1. Dr. Himansusekhar Ghosh – Chairman.

Part-time Zonal Members :

- C.U. Zone –**
1. Dr. (Smt.) Sumitra Chaudhuri
 2. Dr. Nasrin Jahan

- B.U. Zone –**
1. Shri Swapan Roychoudhury
 2. Vacant

- K.U. Zone –**
1. Dr. Dwijendra Nath Samanta
 2. Vacant

- V.U. Zone –**
1. Dr. Jibes Ch. Nayak
 2. Shri Balaram Bandyopadhyay

- N.B.U. Zone –**
1. Dr. Shyamaprasad Bhattacharya
 2. Vacant

Office set-up of the Commission :

1. Shri K. P. Das, IAS – Secretary
2. Shri Dilip Kr. Bhattacharyya – Controller of Examinations.
3. Shri Debabrata Ghosh – Assistant Secretary.

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Recommendation of Principal :

As per Advt. No:2/07 & 2/07A Applications are invited for filling up of vacant posts of Principal in 101 Non-Govt. Colleges and a total number 50 Candidates were selected and the process of posting for 50 colleges was completed.

Publication of Panel :

1. As per Advt. No.1/2007 Merit Panel of 23 Subjects for Lecturers in different Non-Govt. Colleges was published in the Month of January, 2008 and the rest part of the Merit Panel of the other subjects will be published in the Month of April, 2008. Recommendations for different subjects would be issued shortly.
2. As per Advt. No.1/2008 the process for Selection Meeting of the Lecturers in different Non-Govt. B.Ed. Colleges will start from the Month of April, 2008 and the Merit Panel will be published after completion of the Selection Committee Meeting of Lecturers for B.Ed. Colleges.

State Eligibility Test (SET-2007) :

A total Number of 265 candidates qualified in 21 Subjects in 12th SET-2007. The Result of 12th SET -2007 was published on 29th October, 2007. The Result was approved by Steering Committee in its Meeting and in presence of U-CAT Member & Jt. Secretary, NET Bureau, UGC, New Delhi.

Green Channel Service :

As a Public Undertaking WBCSC introduced a Complaint & Suggestion Box from the year 2007 for direct dealings and best service to the people.

9.12 DAY STUDENTS' HOMES

The Department of Higher Education runs four Day Students' Homes in the city of Calcutta. All the Homes are headed by a Warden-cum-Secretary, who is assisted by a number of other employees. The major objectives of these Homes are :

- (i) To provide library facilities to under-privileged students at Higher Secondary and graduation levels at a Centre where text books and reference books including Journals and newspapers are made available to them;
- (ii) To provide reading-room facilities to these students for a period of 12 hours (8.00 A.M. to 8.00 P.M.) on weekdays and 6 hours (8.00 A.M. to 2.00 P.M.) on Saturdays :
- (iii) To provide cheap-canteen facilities at a heavily subsidised rate for meals and refreshments on a token payment of 20 paise only per meal.

KOLKATA DAY STUDENTS' HOME

61, Prince Anwar Shah Road, Kolkata-700 033; Phone : 2422-5655

Established : 11th July, 1959

Permanent Staff Strength	:	28
Present Staff Strength	:	24 (4 posts are vacant)
Status	:	Co-Education from 1st March, 2005
Library Staff	:	a) One Superintendent of Reading Room-Cum-Library b) Four Reading Room Assistant c) Two Reading Room Assistant
Books acquired	:	No. of Books 17,000 also available 3 newspapers and 5 magazines.
Reading Room Space	:	Can accommodate 200 students at any time during the period from 8 a.m. to 8 p.m.
Student Card Holder	:	450 No. of Boys & Girls of local schools & colleges are holding their Library Cards.
Students Attendance	:	100 Boys & 50 Girls are attending the Home Library every day in between 8 a.m. to 8 p.m.
Special programmes	:	On 3rd & 4th February, 2006 students of this Home worshipped "The Goddess Saraswati" with great devotion.

DAY STUDENTS' HOME FOR GIRLS

147A, Rashbehari Avenue, Kolkata-700 029; Phone : 2464-1194

Established : 01-12-1956

Free reading room cum library for the school & college students of low income group family.

Name of Founder of the Home : Hon'ble Chief Minister Dr. Bidhan Chandra Roy, Govt. of West Bengal

Staff Strength	:	28
Staff at present	:	18
No. of Students	:	451
Home remains open	:	8 a.m. to 8 p.m.
Books acquired	:	21,810 journals, periodicals
Reading Room Space	:	Sitting arrangement for 125 students at a time.
Other programmes	:	Debate Session, Competition of Recitation, Dance & Singing, Essay-writing of the Students and also Educational Tour & Prize distribution Ceremony.

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ISWARCHANDRA PATHABHAVAN

299, Acharya Prafulla Chandra Road, Kolkata-700 009; Phone : 2350-1438

Established : 1956

Staff Strength	:	28 with 7 post vacant.
Books acquired	:	17,550, also 8 journals & 5 newspapers
Reading Room Space	:	600 students.
Other programmes	:	A study centre (2801) of IGNOU is housed at the building for Saturdays and Sundays; Other programmes conducted are debates, seminars, quiz contest, sports and games and educational tour.

SRI RAMKRISHNA DAY STUDENTS' HOME

9, Pasupati Bose Lane, Kolkata-700 003; Phone : 2555-3143

Established : 1956

Staff Strength	:	28 with five post vacant.
Books acquired	:	28,939 (Text & Reference Books)
Reading Room Space	:	350 students
Average daily attendance of Student Members	:	250 to 275 per day
Other programmes	:	Observance of Foundation Day, Prize distribution to the student members on their examination results and other programmes conducted are debates, seminars, quiz contest etc.

BANKURA INSTITUTE (DAY STUDENTS' HOME)

Pratapbagan, P.O. Bankura, Dist. Bankura, Pin-722101, Phone : 03242-40388

Established : 1998

Staff Strength	:	7 (Seven)
Books acquired	:	1800 and three daily newspapers
Reading Room Space	:	300 students at a time
Other programmes	:	No. of students visiting the Day Students' Home (on average per day) - Boys-60, Girls-15 Opening Hours : 8.00 a.m. to 4.00 p.m.

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RESEARCH INSTITUTES AND AUTONOMOUS VOLUNTARY ORGANISATIONS ASSISTED BY THE STATE GOVT.

- 10.1 *Bankim Bhaban Gabesana Kendra*
- 10.2 *Centre for Studies in Social Sciences*
- 10.3 *Jagadis Bose National Science Talent Search*
- 10.4 *Institute of Historical Studies*
- 10.5 *Paschim Banga Itihas Samsad*
- 10.6 *Ramkrishna Mission Institute of Culture*
- 10.7 *Socio-Economic Research Institute*
- 10.8 *Sri Sri Sitaramdas Omkarnath Samskrita Siksha Samsad*
- 10.9 *Calcutta Mathematical Society*
- 10.10 *Institute of Science, Education and Culture (ISEC)*
- 10.11 *Institute of Development Studies Kolkata*
- 10.12 *Bangiya Sahitya Parishad*

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CHAPTER – 10

RESEARCH INSTITUTES AND AUTONOMOUS VOLUNTARY ORGANISATIONS

10.1 BANKIM BHABAN GABESANA KENDRA

Kantalpara, P.O. Naihati - 743 165

Dist. 24-Parganas (North), Ph. : 2581-9933

Established : 1999

E-mail : bankim_bhavan@vsnl.net

Director : Dr. Satyajit Chaudhury

Bankim-Bhavan Gaveshana Kendra (B.B.G.K.) is a Research Centre registered in the ancestral house of Rishi Bankim Chandra Chattopadhyaya and maintained by Govt. of West Bengal in the Department of Higher Education. B.B.G.K. was established in 1999 as an autonomous society administered by a General Council. The Higher Education Minister Prof. Sudarshan Roy Chaudhury as its chairman and Dr. Satyajit Chaudhury as its Director. The Chairman of the Governing Body of the institution is the Principal Secretary, Higher Education Department and such eminent academics like Prof. Saroj Bandhopadhyay, Dr. Amiya Kumar Bagchi, Prof. Isha Mohammad, Prof. Kalyan Dutta and others are member on the G.B. The aims and objectives of this Centre include :

1. Renovation and restoration of the heritage building complex wherein Bankim Chandra was born and brought up and created most of his immortal literary works including the National Song 'Bande Mataram'.
2. Preservation of a huge collection of rare fragmented written manuscripts, letters, deeds, and other paper documents, textiles and other items of personal effects of the archive and Museum. It includes also the work of preservation and consolidation of a big bulk of text and reference books of 19th century and used by Bankim Chandra, Sanjib Chandra and other family members.
3. Research on the life and works of Bankim Chandra Chattopadhyaya and his associates who contributed to the renaissance of the 19th century Bengal.
4. Research on the different aspects of the social history of Bengal and of the Bengali language and literature.

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5. To continuously augment with new addition and alteration in display of the existing personalia museum on Bankim Chandra, and his associate writers as well as to develop it as a potential Regional Museum.
6. Expansion of the Museum in the newly renovated premises in the ancestral house of Bankim Chandra where he was born and brought up.
7. Digital documentation and preservation of nearly nine thousands of books and journal of the library : The nucleus of the library handed over to the Gaveshana Kendra, included a rare collection of old books and journals of the Chattopadhyay family, which subsequently, enlarged by other donations of books, journals, offprints etc. by eminent litterateurs like Prof. Chintaharan Chakraborty, Prif. Manjugopal Bhattacharya, Prof. Dilip Biswas and others.
8. To build up an archive with handwritten documents, records, genealogies and old Palm leaf and country made paper Puthis and processing these materials for publication.

The Archive :

A) Handwritten and Printed documents :

The nucleus of the archive was formed primarily with the materials collected from the Chattopadhyay family numbering about 25 thousand pages and items, which include land and Property deeds (since early 18th century A.D.), Wills, Pattas, Diaries, Letters, Official Reports, Drafts, Bills, Notes, Proof Sheets, Invitation cards etc, of Chattopadhyay family.

On the other hand, in 'Mm. Haraprasad Shastri Collection' hundreds of letters written by Haraprasad Shastri to his son, Benoytosh Bhattacharya, the Director, Gaekwad Research Institute and letters received by Haraprasad from the eminent European Indologists like Sylvain Levi, C. Bendall, J. Jolly, W. Caland, F. E. Parigiter, Louis de la Vallee Poussin, J. A. Bourdillon, Th. Stcherbatskoi, A. F. Rudolf Hoernle, G. Thibaut, K. Ohmiya, Denison Ross, H. Jacobi, and the top brass of the British Administration like Lord Curzon, Lord Lytton etc. written between 1901-1930 are preserved.

Very rare papers of Pramathanath Mitra the founder of Anusilan Samity are preserved.

Similarly, preserved the papers of Samares Basu, famous writer of Bengali Literature, collected from his family include many notes, letters, diaries, and interestingly some papers of the great artist Ramkinkar Beij.

These rare archival materials are being cleaned and stored digitally, while the originals are being laminated for permanent preservation. The up to date techniques are being adopted in this process. Till date more than 25,000 documents have been disitarised. This ongoing project continued in this year also.

These documents are very precious materials for research on 19th century Socio-Cultural History.

B) Puthi :

An important component of the archive is a collection of nearly 200 Sanskrit 'Puthis' donated by the descendants of Mm. Haraprasad Shastri. These puthis were used in the 'Toll' of Shastri family since 1760 and comprise of disciplines like *Smriti*, *Vyakaran*, *Tantra*, *Nabya Naya*, *Kavya* etc. Processing these manuscripts for proper preservation as well as preparing a descriptive catalogue of the same are two important research projects undertaken by the centre. Efforts are being made to procure more such puthis from the families in Bhatpara, Naihati, Halisahar, once renowned centres of Sanskrit culture.

NATIONAL MANUSCRIPTS MISSION, GOVT. OF INDIA, under the supervision of Prof. Ratna Basu of Calcutta University, has been helping preservation work.

C) A collection of variations of 'Bandemataram' song :

The B.B.G.K. Archive possesses a rich collection of records of 'Bande Mataram' song, sung by eminent musicians, vocalists like Rabindranath Tagore, Pandit Omkarnath, Dilip Kumar Roy and Ms. Subbu Lakshmi and others. These old records have recently been cleaned with the help of HMV and preserved in Compact Disk. This collection is also a rare possession of the Centre which could be used for serious research on music and nationalism.

Museum :

The present museum of B.B.G.K. is housed in the 'Baithak-khana' (Parlour), built by Bankim Chandra himself around 1873-74 where most of his literary works were penned. The famous Bande Mataram song was also composed here and set to tune by his music teacher famous Jadu Bhatta for the first time.

The personal mementos of Bankim Chandra, rare photographs of his family members and associates are neatly displayed in the museum that attracts regular visitors from all over India. New exhibits in thematic units have been arranged, highlighting in details, the creative activities of Bankim Chandra and his associates of the period. Protective but transparent covers for the different units of exhibits has been devised and installed in the gallery. In this year 1934 persons visited the museum.

The total collection accumulated could not be displayed due to paucity of space, hence an annexe building is contemplated to extend the existing museum.

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Library :

The nucleus of the library of the B.B.G.K. was formed with the collection books and journals received from Chattopadhyaya family. Presently it has around 8000 volumes of books, bounded volume of journals, off-prints collected from different sources.

- i. The collection of Chattopadhyaya family, donated by Satanjib Chattopadhyaya, grandson of Sanjib Chandra.
- ii. The collection of Prof. Manju Gopal Bhattacharya, nephew of Mm Haraprasad Shastri.
- iii. The collection of late Prof. Chintaharan Chakraborty of Presidency College.
- iv. Books received as presentation from Paschim Banga Bangla Academy, Sahitya Sam- sad, Bimal Kar, family members of Samares Basu, Prof Sanat Basu, Sri Ramendra Nath Ghosh, Jyotsnamoy Roy and Gobinda Chandra Ghosh.
- v. Recently a precious personal collection of late prof. Dilip Kumar Biswas, nearly 2000 books and journals related to indological studies has been received from his wife Prof. Bharati Biswas.
- vi. Some important reference books have been purchased from Govt. grant.
- vii. A precious personal collection of Prof. Chuni Chaudhury, nearly 240 Books and Journal related to historical studies has been received from her daughter Prof. Tapati Majumder.
- viii. Nearly 33 Nos. of the Art Journal Marg received as donation from Dr. Pratapaditya Pal, General Editor, Marg Publication. The Journals of the Asiatic Society of Bangladesh published in both English and Bengali are received regularly in exchange of Bangadarshan.

In a very short time the library has grown enormously and has become a vital component of this research centre.

Publications :

A) Bangadarshan :

Bankim Chandra established the famous monthly journal Bangadarshan in the year 1872-73 (1279 B.S.). Subsequently the journal had been edited by Sanjib Chandra Chattopadhyay, Srish Chandra Majumdar, Rabindranath Tagore, Sailesh Chandra Majumdar and Mohitlal Majumdar and others upto 1955.

This journal has been revived by B.B.G.K.in the year 2000 as a biannual mouthpiece of the Research Centre. From the very beginning of its publication, the revived *Bangadarshan* received warm appreciation of our scholarly world. Till now 12 numbers of *Bangadarshan* have already been published. The special issues on famous historian Prof. Niharranjan Roy and the artist Binod Bihari Mukherjee deserve special mention. Special articles also appeared on centenary of the theory of Relativity and the birth centenary of Jean Paul Sartre.

B) Other Publication Projects :

- i) ***Haraprasad Shastri Rachana-Samgraha*** : Volume V edited by Dr. Satyajit Chaudhury and Dr. Bijali Sarkar, has already been published by the West Bengal State Book Board during Calcutta Book Fair 2007.
- ii) ***Bangadarshan Parampara*** : A research monograph written by Dr. Bhabatosh Dutta and Dr. Bijali Sarkar. On the history of *Bangadarshan* Patrika successively edited by Bankim Chandra, Sanjib Chandra, Rabindranath & others. This monograph contains full index of different periods of the publication of this journal. It has already been published in August, 2006.
- iii) ***Bankim Chandrer O Bankim Paribarer Patrabali*** : A definitive edition of letters written by Bankim Chandra and his family members edited by Sri Krishnajiban Bhattacharyya, is also been process for publication.
- iv) ***Rabindranather Bankim Chandra*** : a complete collection of writings of Rabindranath on Bankim Chandra with notes and references edited by Dr. Bijali Sarkar has already been published in January, 2009. This is being considered a very significant contribution to Tagore and Bankim studies by the academics.
- v) Another important monograph in three versions- Bengali, English and Hindi, ***'The Source and Variations of Bandemataram-tune' (Bandemataram Sangiter Utsa O Sura Baichitra)***, a contribution of late Prof. Ananta Kumar Chakraborty being processed. The Hindi and Bengali version have already been published in December, 2006 and June 2007. The English version will be published shortly.
- vi) Among the continuing projects mention may be made of compilation of the BANKIM - ABHIDHAN

Seminars and Workshop :

Two very important seminars were organised in this year.

- i) Celebration of Bankim Jayanti on 28th June, 2008. In this seminar Prof. Hiren Chattopadhyay and Prof. Ashis Lahiri delivered a lectures on form of Bankim's Novels and Writings of Bankim on different aspects of modern sciences.

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- ii) On the occasion of Haraprasad Shastri Jayanti on 6th December 2008 a Bronze bust of MM. Haraprasad Shastri prepared by Late sculptor Kartick Pal of Krishnanagar was inaugurated by Sri Khiti Goswami, Minister-in-charge, Department of P.W.D. In this seminar Prof Somendranath Bandhopadhyay and Sri Ramkumar Mukhopadhyay delivered a lectures on Paribartan - Samayer Katha and Baner Maya ebong Banyani Khullana.
- iii) In collaboration with the Rajya Charukala Parsad one artists workshop was organised and ten artists like — Sri Rabin Mandal, Ramananda Bandhopadhyay, Prakash Das, Niranjan Pradhan, Bipin Goswami, Isha Mohammad, Ajay Ghosh, Smt. Sukti Shubhra Pradhan, Shyamasree Basu and Anita Roy Chaudhury joined the workshop for three days from 20th February to 22nd February 2009 and worked mostly on Bankim-theme. The art works created during workshop by such eminent artists were presented to the B.B.G.K. Museum.
- iv) Mention may be made that the Director participated in the U.G.C. seminars organised by the Calcutta University English Department, Jadavpur University Bengali Department and a seminar organised by British Library.
- v) The Research Fellow Dr. Bijali Sarkar attended U.G.C. sponsored State level seminar at Chackdaha College under Kalyani University.

Conection with National Institutions :

- a) The B.B.G.K. has been en repport with The National Archive and in this year received Rs. 87,500.00 (Rupees Eighty Seven Thousand Five Hundred) only for preservation of Manuscripts / Rare Books.
- b) The National Manuscripts Mission has been assisting Bankim-Bhavan Gaveshana Kendra for properly preserving the valuable Puthi collection.
- c) The Nehru Memorial Museum and Library (New Delhi) organized a National Workshop on “Best Practices on Digitization of the Nehru Memorial Museum and Library”. On an invitation the Director of Bankim-Bhavan Gaveshana Kendra Dr. Satyajit Chaudhury attended the workshop on 13th and 14th March. Some participants representing Institutions like Indira Gandhi Centre for the Arts offered help for preservation of the materials of Bankim-Bhavan Gaveshana Kendra Archive.

Office – Staffs :

In this financial year the State Govt. in the Department of Higher Education regularised the services of the following four contractual incumbents and the posts of Library Assistant and Assistant Librarian (SL. No. 5 & 6) have been filled up :-

	Name of the Employee	Designation	Date of regularisation
1.	Dr. Bijali Sarkar	Research Fellow	04.07.2008
2.	Smt. Mali Chakraborty	Office Supervisor Cum Accountant	04.07.2008
3.	Sri Manik Dey	Literate Peon	04.07.2008
4.	Sri Gautam Sarkar	Curator	01.12.2008
5.	Sri Sarathi Mukhopadhyay	Library Assistant	16.12.2008
6.	Sri Niladri Mitra	Assistant Librarian	27.02.2009

Restoration of the Heritage Site :

B.B.G.K. received an amount of Rs. 41,06,688/- (Fourty one lakh six thousand six hundred and eighty-eight) from the I & CA Department sanctioned by the Chief-Minister Sri Budhadev Bhattacharjee himself for "Restoration of the ancestral house of Rishi Bankim Chandra Chattopadhyay", at Kantalpara, Naihati, on 06-08-2003.

The restoration works started under the aegis of the Architecture Department of Jadavpur University. A group of teachers and Research Scholars led by Prof. Somen Chakraborty the then Head of the Department inspected huge buildings that were rendered a virtual Khandahar. After thorough inspection Prof. Chakraborty submitted a restoration plan and that was approved by the G.B. of Bankim-Bhavan Gaveshana Kendra, Naihati. This difficult restoration work was naturally time consuming.

The restoration of the ancestral house of Bankim Chandra Chattopadhyay is nearly complete. The various experts including The Chief Engineer, P.W.D., the Chief Architect, West Bengal and representatives of the Department of Culture, Government of India, and one representative of the National Archive inspected the work of restoration on different occasions and highly appreciated the restoration project. The Hon'ble Governor Sri Gopalkrishna Gandhi visited this prime heritage of our country and Prof. Somen Chakraborty explained to him the entire method of this restoration process stage by stage retaining its original architectural ambience and aesthetic quality of the huge mansion. Hon'ble Governor was pleased to comment that this restoration work may be considered as a model of heritage preservation.

We are really grateful to the Jadavpur University for this performance.

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10.2 CENTRE FOR STUDIES IN SOCIAL SCIENCES, CALCUTTA

R1, Baishnabghata-Patuli Township

Kolkata - 700 094, Ph. : 2462-5794 / 5795 / 7252

Fax : +91-33-2462-6183,

E-mail : surajit@cssscal.org info@cssscal.org cssscal@vsnl.net

Website : <http://www.cssscal.org>

The Centre for Studies in Social Sciences, Calcutta (CSSSC) was founded in 1973, mainly with the aim to undertake, promote and co-ordinate research in social sciences, with special emphasis on the problems of the eastern region and West Bengal.

1. Conferences / Workshops :

The Centre for Studies in Social Sciences, Calcutta organized a four day workshop on “**NRTT-CSSSC Workshop for Beginning Doctoral Scholars**” from July 1 to July 4, 2008.

RTP Programme, 2007- 2008

The Research Training Programme (RTP) 2007- 2008 which began on August 6, 2007, was completed on June, 2008. The Following students successfully completed the course and was awarded certificates :

2. Ongoing Research Projects :

- i) **RBI Endowment Scheme**, set up at CSSSC, by the Reserve bank of India, is headed by Professor Sugata Marjit, RBI Professor of Industrial Economics.
- ii) **South Asia Union Catalogue- Phase II Project**, this three- year project aims to create a historical bibliography of South Asia from 1556 to 1956 and upload all MARC 21 records to OCLC and SAUC server for public access. This is a quadrangular project in collaboration with University of Chicago, Centre for Research Libraries, Chicago, Roja Muthiah Research Library, Chennai and CSSSC. CSSSC is responsible for computing bibliographic records available in Orissa, West Bengal, Assam, North- Eastern provinces, Bangladesh, Bhutan and colonial Burma. The coordinator in South Asia of the project is Abhijit Bhattacharya.
- iii) **Village Health Plan of West Bengal**, sponsored by National Rural Health Commission, West Bengal, is a pilot project involved in preparation of village health plan for six villages in six districts of West Bengal. The project is co-ordinated by Dr. Dhrubajyoti Ghosh.
- iv) **Mainstreaming International Trade into National Development Strategy- Consumer Unity and Trust Society, International (CUTS)**, sponsored by Consumer Unity and Trust Society,

International, studies the impact of increasing exposure to international trade and investment on various dimensions of well being off general population in India with special reference to West Bengal, carried out by Dr. Saibal Kar and Professor Sugata Marjit.

- v) **Dissemination of Advertisement and Commercial Art**, sponsored by the India Foundation of Arts (IFA), Bangalore, for dissemination of advertisement and commercial art in Bengali Language and creation of a web- based archive of select documents. Professor Gautam Bhadra is the principal investigator of the project and Abhijit Bhattacharya acts as a co- investigator.
- vi) **Minorities Concentration Districts (MCD)**, sponsored by the Ministry of Minority Affairs, Government of India, New Delhi, to conduct a survey in twelve districts of West Bengal, one district in Orissa and one district in Andaman and Nicobar Islands. The survey comprises of collection of household data and village level data as well as suggestions for drawing up a multi- sectoral plan at the district level. The project is headed by, Professor Sugata Marjit.

3. New Projects :

What explains differences in human development outcomes across space? An Analysis of Education Outcomes in India, sponsored by The Sir Ratan Tata Foundation (SRTT). Professor Jyotsna Jalan is the co-ordinator of this project.

Training in New Social Science Research Methods, sponsored by the Navajbai Ratan Tata Trust (NRTT). This three year project will provide scholarships to the students of the Research Training Programme (RTP) at the Centre, based on merit, also hold annual workshops for the beginning doctoral scholars, annual workshop for doctoral and post doctoral scholars, short- term post doctoral fellowships.

4. RTP 2008-2009

The Research Training Programme (RTP) 2008- 2009 began at the Centre on August 4, 2008 with the following students-

Non- Scholarship Awardees : - **5 Students**

NRTT- Scholarship Awardees : - **8 Students**

5. NEW Projects :

- **“Embedding poor people’s voices in local governance : participation and political empowerment in India”** sponsored by ESRC- DFID and University of Sheffield.
- **“A Cultural History Archive For Eastern India”**, a research and archival project sponsored by the Ford Foundation, under the “ Higher Education and Scholarship Programme”.

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- **“Improving Institution for Pro- Poor Growth”**, sponsored by University of Manchester, U.K. and DFID, U. K.
- **“Land Resource Utilisation in Tea- Industry : Current problem and Future Prospects with special reference to Labour”** sponsored by National Tea Research Foundation, India.
- **“A Quantitative Study of Tea Industry Market : Pricing and Organisation”** sponsored by the National Tea Research Foundation, India.
- **ARCADIA Programme on Endangered Archive** at the British Library, supported the pilot project titled **Rescuing Text** from the public institutions in Eastern India.

10.3 JAGADIS BOSE NATIONAL SCIENCE TALENT SEARCH

1300, Rajdanga Main Road, Kasba, Kolkata - 700 107

Telephone : 2442-8270, 2442-8267, 2442-8269 (Director)

Fax : 2442-8267, E-mail : jbnsts@vsnl.com , Website : www.jbnsts.org

Estd. 1st July, 1960

To commemorate the Birth Centenary of Acharya J. C. Bose, India's first modern scientist, this unique institution was established in the year 1958 by visionaries like Dr. B. C. Roy, Sir Jehangir Ghandy, Sir R. Mudaliar and other noted educationists and industrialists. The program was inaugurated by Pandit Jawaharlal Nehru. JBNSTS is an autonomous Registered Society under West Bengal Societies Registration Act XXI of 1860 (No. S/4353 of 1960-61), promoted by the Government of West Bengal and administered by a Governing Body with representatives from the Government, Academics and Industry. It enjoys status of a special institution as declared by Department of Higher Education, Government of West Bengal. Presently, Chief Patron of JBNSTS is Hon'ble Shri Gopalkrishna Gandhi, Governor of West Bengal. The President is Shri Jyoti Basu, former Chief Minister, Government of West Bengal, and Chairman is Dr. Purnendu Chatterjee, noted industrialist.

AIMS AND OBJECTIVES

- To identify talented students at a young age who will emerge as scientists, technologists and doctors of very high abilities in the future and become the “builders of modern India”.
- To nurture them through enrichment programs to develop their talents.
- To motivate students to realize the importance of excellence in the scientific world and educate them to cultivate this goal in real life as students of science.
- Conserve scientific talent with a view to provide for the nation's need for science and technology personnel.

AREA OF WORK

Financed by the Department of Higher Education, Government of West Bengal, the functions of JBNSTS were primarily limited to West Bengal only. However, from the early 90's, it started to spread its activities to the neighboring 12 states of Eastern and Northeastern Region. Presently, JBNSTS is engaged in a number of projects in collaboration with DST, Govt. of India, CSIR, Govt. of India, Ministry of Development of North Eastern Region, Govt. of India etc. A successful district level motivational program is being implemented for middle school students in West Bengal and is also funded by the Department of Higher Education, Govt. of W. Bengal. Apart from that, a project for training of science teachers of West Bengal has been undertaken in collaboration with DST, Govt. of West Bengal.

Programs undertaken by JBNSTS in collaboration with Dept. of Higher Education, Govt. of West Bengal

a) Senior Scholarship Scheme - Aided by Higher Education Department, Govt. of West Bengal

This is the core program of JBNSTS. Since the inception of this organization, this program has remained at the center of all the activities. Under this scheme, the undergraduate students of Pure Science, Medicine and Engineering appear in a multiphase selection procedure and those who are selected are awarded this prestigious scholarship. The selected scholars are motivated and nurtured throughout their M.Sc/ M.B.B.S./ B.E./ B.Tech. level. JBNSTS has a very luminous list of scholars. Almost all the scholars occupy very high positions in their field of works.

The students, who passed Higher Secondary examination or its equivalent in 2008, appeared in the written test on September 28, 2008. A total of 791 students applied for the test in 12 centers in West Bengal. On the basis of merit, 81 students were called for the interview and 44 students among them were selected for Scientific Creativity Test. Finally, 24 students were selected for this prestigious award. The selected scholars get a monthly scholarship of Rs.1,000/- and book grant of Rs.1000/- per year during the period of the scholarship. Besides, they are invited to take part in various follow-up Programs like seminars, talent enrichment programs, and educational tours, project works etc. -

b) West Bengal District Scheme: Aided by Higher Education Department, Govt. of West Bengal

The main focus of this scheme is on the underprivileged but meritorious students of remote areas of the State. This year JBNSTS has focused on Siliguri, Malda, Uttar Dinajpur, Dakshin Dinajpur, Paschim Midnapore and Murshidabad. A number of science workshops were organized in different schools for the students of those areas.

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Under this program, residential and non-residential science workshops are organized in the districts for students of Class VIII and IX for 3 to 4 days. About 60 - 65 students nominated by the schools of a particular area and accompanying science teachers from each school take part in these workshops. The workshops consist of both theory and practical lessons and also outdoor assignments not included in the school syllabus. The participating students are exposed to the exciting and advanced areas of science, which are basic to the understanding of the core concept of the subjects. They are also encouraged to develop self learning through self exploration. It is an excellent opportunity for the young students to understand the basic areas of science as well as the global character of scientific activities. In the year 2008-09, JBNSTS has held a special enrichment workshop in Kolkata from specially talented students of Dinajpur and Malda.

c) **Teachers' Training Program for Middle School Science Teachers of West Bengal: Aided by Department of Science & Technology, Govt. of West Bengal**

Since 2004, initially with support from Sir Ratan Tata Trust, Mumbai and subsequently support from Department of Science & Technology (DST), Government of West Bengal several Teachers' Training Programs have been conducted with middle school science teachers to motivate teachers towards improved teaching methodologies in science. In the 1st phase, 72 teachers were identified and trained at our institute. In the 2nd phase training program for each of the science subjects including Environmental Science were arranged separately for further advanced training followed by demonstrative science workshop conducted by the teachers already trained in JBNSTS teachers training program.

OTHER PROGRAMS OF JBNSTS INVOLVING 12 OTHER STATES

The Council for Scientific and Industrial Research (CSIR), Government of India has been contributing to the talent enrichment of selected scholars since 1962 and has in the past few years extended its support to JBNSTS to cater to undergraduate science students from Bihar, Orissa, Jharkhand and Chhattisgarh also.

Since 1999, Department of Science & Technology (DST), Government of India has been contributing to a range of Contact Programs for undergraduate science students of the Northeastern States as well as students from Bihar, Orissa, Jharkhand and Chhattisgarh.

From the year 1991 a project to motivate, identify and nurture the young talented science students from 8 northeastern States had been undertaken which was initially supported by MHRD, Govt. of India and later supported by the Ministry of Development of North Eastern Region. On the basis of merit, students were selected for this prestigious award. Scholarship: monthly Rs.300/- and one time book grant of Rs.750/- during the period of the scholarship.

From the year 2008-09, a project to motivate, identify and nurture the young talented undergraduate science students from 8 northeastern States had been undertaken supported by the Ministry of Development of North Eastern Region. On the basis of merit, students were selected for this prestigious award.

ACTIVITIES OF JBNSTS TOWARDS MOTIVATION, IDENTIFICATION AND NURTURE OF TALENTED SCIENCE STUDENTS IN WEST BENGAL

09/05 – 11/05/08 : WB-DST Interactive Science Workshop for middle School Students(~50), held at Jadavpur Sammilita Balika Vidyalaya, Kolkata.

18/05 – 22/05/08 : WB-DST Teachers' Training Program on "Mathematics" for teachers from West Bengal districts including Kolkata(~12), held at JB-Centre of Excellence, Kolkata. Science books were distributed during the workshop to the participating Schools.

28/05 – 30/05/08 : WBDS Interactive Science Workshop for middle School Students (~53) held at Tarai Tarapada Adarsha Vidyalaya, Siliguri. Science books were distributed during the workshop to the participants and to the participating Schools. Awareness Program at the 2 institutions in Siliguri for Undergraduate Science Students were held.

04/06 – 07/06/08 : Talent Enrichment Program for 14 Senior JB-Scholars. They have visited Variable Energy Cyclotron Centre and SN Bose National Centre for Basic Sciences.

23/06 – 25/06/08 : Talent Enrichment Program for 9 Senior JB-Scholars. They have visited 05 Science & Technology Centers in Kolkata. They are Indian Institute of Chemical Biology, Bose Institute, Chembiotek, Indian Statistical Institute and Science City.

18/07 – 20/07/08 : WBDS Interactive Science Workshop for middle School Students (~64) held at Malda Town High School, Malda. Science books were distributed during the workshop to the participants and to the participating Schools.

27/07 – 31/07/08 : Teachers' Training Program "Teaching Science through Experiments and Ideas" teachers' from Burdwan and Nadia (~40), held at Kashiram Das Institution, Katwa, Burdwan. Science books were distributed during the workshop to the participants.

01/08/08 – 29/08/08 : Awareness Program at a large scale was conducted in Institutions in West Bengal including Kolkata for Senior Talent Search Test 2008.

19/08 – 23/08/08 : Teachers' Training Program "Teaching Science through Experiments and Ideas" teachers' from Birbhum and Hooghly (~35), held at Illumbazar Community Hall, Birbhum. Science books were distributed during the workshop to the participants.

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25/08/08 – 27/08/08 : WBDS Interactive Science Workshop for middle School Students(~69) held at Raiganj Coronation High School, Uttar Dinajpur. Science books were distributed during the workshop to the participants and to the participating Schools.

28/08/08 – 30/08/08 : WBDS Interactive Science Workshop for middle School Students(~58) held at Balurghat Jaychand Lal Pragati Vidyachakra, Dakshin Dinajpur. Science books were distributed during the workshop to the participants and to the participating Schools.

18/09/08 – 20/08/08 : WBDS Interactive Science Workshop for middle School Students(~51) held at P.N.Roy Vidyaniketan, Kharagpur, Paschim Midnapur. Science books were distributed during the workshop to the participants and to the participating Schools.

28/09/08 : Senior Talent Search Test 2008. 791 undergraduate science students applied for this examination and 613 students appeared at the following 12 examination centers :

(1) JB-Centre of Excellence, (2) Presidency College, Kolkata, (3) Narendrapur R K Mission Residential, College, Narendrapur, Kolkata, (4) R K Mission Vidyamandira, Belur Math, Howrah, (5) Burdwan Town School, Burdwan, (6) Krishnanath College, Berhampur, Murshidabad, (7) Indian Institute of Technology, Kharagpur, (8) Siliguri College, Siliguri, (9) Darjeeling Government College, Darjeeling, (10) Rashtraguru Surendranath College, Barrackpore, Kolkata, (11) Narula Institute of Technology, Agarpara, Kolkata, (12) National Institute of Technology, Durgapur, Burdwan.

22/10/08 – 26/10/08: WBDS Interactive Science Workshop for middle School Students(~40) held at JB-Centre of Excellence, Kolkata. Science books were distributed during the workshop to the participants.

01/11 – 02/11/08 : Project Evaluation and Discussion, Phase – I for 25 Sr. JBNSTS Scholars, held at JB-Centre of Excellence, Kolkata.

12/11/08 : “One day Science Program : In memory of Late Prof. Amarnath Bhaduri” for middle School Students(~42) in Kolkata, jointly organized by JBNSTS and A N Bhaduri Foundation held at JB-Centre of Excellence, Kolkata. Science books were distributed during the workshop to the student-participants.

29/11/ - 30/11/08 : Final Interview for short listed (81) students of West Bengal for the award of Senior JBNSTS Scholarship, held at JB - Centre of Excellence, Kolkata.

06/12 - 07/12/08 : Scientific Creativity Test for short listed (44) undergraduate science students of West Bengal for the award of Senior JBNSTS Scholarship held at JB - Centre of Excellence, Kolkata.

31/12/08 : Orientation program for Senior Scholars (2008 batch) and Interaction with Shri Jyoti Basu, President of JBNSTS and former Chief Minister of West Bengal held at Indira Bhavan, Salt Lake, Kolkata. Annual Award Ceremony held at JB-Centre of Excellence. Dr. G. Madhavan Nair, Chairman, Indian Space Research Organization, Bangalore was the Chief Guest. After a brief

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introductory lecture, he gave away the certificates to JBNSTS Senior Scholars, Project Awardees and Best School Awards to (i) South Point High School, Kolkata and (ii) Barrackpore Government High School, 24 Parganas (N). He interacted with scholars and gifted a gold plated replica of Chandrayan – I to JBNSTS.

20/01/09 : Teachers Training Program - Awareness cum Orientation for high school teachers at Purulia. Held at Purulia Zilla School, Purulia (~61).

21/01/09 : Teachers Training Program - Awareness cum Orientation for high school teachers at Bankura. Held at Bankura Banga Vidyalaya, Bankura (~43).

11/02/ - 15/02/09 : Teachers' Training Program "Teaching Science through Experiments and Ideas" for teachers' from Kolkata and South 24 Parganas (~ 52) held at JB-Centre of Excellence for Student Scientists. Science books were distributed during the workshop to the participating teachers.

19/02/08 – 21/02/09 : WBDS Interactive Science Workshop for middle School Students(~74) held at Jiaganj Raja Bijoy Singh Vidyamandir, Murshidabad. Science books were distributed during the workshop to the participants and to the participating Schools.

21/03/- 22/03/ 09 : Seminar on "Total Solar Eclipse: a grand cosmic phenomenon". Held at JB-Centre of Excellence (~33)

ACTIVITIES OF JBNSTS TOWARDS MOTIVATION, IDENTIFICATION AND NURTURE OF TALENTED SCIENCE STUDENTS IN 12 NEIGHBOURING STATES

21/04 – 25/04/08 : Awareness Program Silchar and Karimganj districts in Assam. Science Workshop on "Current Scenario of Biotechnology in 21st Century" for middle School Students(~60) held at Gurucharan College, Silchar, Assam.

19/05 – 22/05/08 : Science Workshop "Chemistry for Advanced School Children" for middle School Students(~58) held at Dibrugarh Bengali High School, Dibrugarh, Assam.

28/05 – 31/05/08 : Science Workshop on "Current Scenario of Nanotechnology" for middle School Students(~55) held at Manipur Public School, Imphal, Manipur.

03/06–06/06/08 : Science Workshop on "Protection of Bio-Diversity" for middle School Students(~63) held at Ramakrishna Mission Ashram, Cherrapunjee.

17/06 – 20/06/08 : Science Workshop on "Foundation of Chemistry and Application" for middle School Students (~67) held at Shishu Bihar H.S. School, Agartala.

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01/07–04/07/08 : Science Workshop on “Scientists–Their Lives and Innovations” for middle School Students(~35) held at National Public School, Guwahati.

06/08 - 09/08/08 : Awareness Program & Science Workshop on “Environmental Issues & Its Impact on Biodiversity” for middle School Students(~70) held at Patkai Christian College, Dimapur, Nagaland.

20/08 - 23/08/08 : Science Workshop on “From Earth to the Heavens” for middle School Students (~35) held at Government Higher Secondary School, Itanagar, Arunachal Pradesh.

21/08 - 23/08/08 : Science Workshop on “World of Atoms and Molecules” for middle School Students (~62) held at MRS K M P Inter College, Jamshedpur, Jharkhand.

09/09 - 12/09/08 : Awareness Program & Science Workshop on “Evolution of Physics : Classical to Modern” for middle School Students (~52) held at Government Mizo Higher Secondary School, Aizawl, Mizoram.

02/11/08 : **18th** Junior Talent Search Test 2008 - 1300 science students of NE States applied for (TST) Examination and 1008 students appeared for the test from Northeastern States at 41 examination centers.

09/11/08 : 1st NE Senior Talent Search Test 2008 – 119 undergraduate science students applied for (TST) Examination and 80 students appeared for the test from Northeastern States at 15 examination centers.

27/01 – 30/01/09 : Workshop on “Exposure to Frontline Research in Science” for the (~39) students of Bihar, Orissa, Jharkhand and Chhattishgarh held at JB-Centre of Excellence, Kolkata.

08/02/09 : Second & Final Phase exam of 18th Junior Talent Search Test 2008 for short listed 476 students (appeared 410) from Northeastern States at 15 centers.

13/02 - 15/02/09 : Workshop on “Bio-Technology : Trends, Techniques and Transgenic” for Undergraduate Science Students (~60) held at Samanta Chandra Sekhar Autonomous College, Puri, Orissa.

25/02 – 27/02/09 : Workshop on “The Scientific Temper and How to develop It” for middle school students (~64) held at Paljor Namgyal Girls’ Senior Secondary School, Gangtok, Sikkim.

24/03 – 27/03/09: Workshop “Astronomy & Astrophysics – Current perspectives and future challenges” for middle school students (~58) to be held at Laban Bengalee Boys’ Higher Secondary School.

10.4 INSTITUTE OF HISTORICAL STUDIES

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The Institute of Historical Studies, Kolkata, founded by Dr. S. P. Sen, in April, 1961 as a pioneering organisation devoted to the cause of historical study and research completed the forty-fifth year of its fascinating history of sustained growth to attain a phenomenal high in the academic world. The Institute which has an all-India membership is governed by an **Executive Committee** of 20 members excluding the **Government Nominee** and a **Director**. During the span of forty-seven years, the Institute has received the patronage and co-operation of scholars of national and international repute. All the regular activities of the Institute continues as before with renewed vigour and enthusiasm under the able leadership of Directors of the Institute with their long experiences as teachers of history.

At present the activities of the Institute are :

- (a) To **hold discussion meetings**, preferably once a month, where eminent scholars, both Indian and foreign, present papers on subjects of their specialization.
- (b) To **organize seminars**, on relevant themes of historical interest in which eminent scholars are invited to deliver lectures from different point of view. The Institute also organizes seminars in collaboration with other academic bodies.
- (c) To encourage young scholars, the Institute organizes each year the **Junior Research Scholars' Seminar** in connection with the celebration of our Founders' Day Anniversary. In the whole day seminar organized on 9th June, 2008, about fifteen scholars presented thoughtful papers on subjects of their specialization, followed by quite purposive discussions.
- (d) To organize scheduled **lectures both Memorial and Endowment** every year according to the terms of Endowments created by some of our members and well-wishers from time to time.

At present the Memorial/Endowment Lectures are organized as follows :

1. DR. S.K. SEN MEMORIAL LECTURE
2. BINAYAK BANERJEE MEMORIAL LECTURE
3. PROF. N.R. RAY MEMORIAL LECTURE

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4. PROF. K.K. DASGUPTA MEMORIAL LECTURE
5. PROF. A.P. MATHUR ENDOWMENT LECTURE
6. BIPLABI NAGENDRASEKHAR MEMORIAL LECTURE
7. PROF. H.L. GUPTA MEMORIAL LECTURE
8. BHUNATH MUKHERJEE MEMORIAL LECTURE
9. DR. N. SUBRAMANIAN ENDOWMENT LECTURE
10. DR. S.P. SEN MEMORIAL LECTURE
11. PROF. H.K. BARPUJARI ENDOWMENT LECTURE
(BIENNIAL)

Besides organizing the lectures mentioned above during 2008-09, we observed the birth centenary celebrations of D.D. Kosambi on 10th May, 2008 and Simone de Beauvoir on 25th October, 2008. A one day seminar was also held on 14th February, 2009 in collaboration with Netaji Bhavana Mancha on 'Nationalism, Media and Subhas Chandra Bose : Issues and Challenges'.

- (e) To **hold an Annual Conference** of our members (from different parts of the country) at different places, where two broad themes are selected for discussion : (i) a general theme covering all the regions of India and (ii) a special theme on the history of the region where the conference meets. Papers are read on different aspects of these themes by a large number of scholars in five or six sessions, spread over three days. The Conference is hosted by different higher academic institutions and universities of India. The inaugural session of the Conference is presided over by the most distinguished historian. Participants come from all parts of the country and evinced an active interest and take part in the discussions. A good number of universities co-operate with us by sending delegates to the conference. For each Annual Conference papers are invited on specific themes and in the light of discussions in the Conference session the papers are at times revised and even re-written. Later, these papers are carefully edited and a self contained volume with a meaningful title is published.

During the year 2008-2009 the Institute conducted the Annual Conference at Tirupati from 6th to 8th March, 2009. The principal theme of discussion at the Conference was 'Religion and Culture in India Through the Ages' and about 153 delegates attended the conference.

- (f) To **publish from time to time books** containing selections of important papers presented and discussed at the seminars and the annual conferences. The Institute has brought about a good number of research publications for the promotion and advancement of historical knowledge. The most important publication of the Institute is the Dictionary of National Biography, the first of its kind in India. It is dedicated to the memory of those, who had been

working in different spheres of life, holding different ideas and following different methods, had contributed to the making of modern India. It is intended to remind the new, post-independence generation of the debt and gratitude it owes to the earlier generations whose labours and sacrifices have made possible all that we are enjoying today. The four volumes of the Dictionary of National Biography include biographical sketches of 1400 eminent Indians who had contributed to the nation's life from the beginning of the 19th Century to the winning of independence.

Encouraged by the success of Dictionary of National Biography (DNB), the Institute has undertaken the Supplementary DNB (1947-1972) with 1200 entries covering the first 25 years since independence. Volume I & II have been published and volume III is at the press.

During the year 2008-2009 the Institute brought out the following publications :

1. Making of British Assam by J.B. Bhattacharjee, 2008
 2. Urbanisation in Bengal from Ancient to Modern Times, Ed. by Dr. Chittabrata Palit, 2009.
 3. Changing Faces of Folk Culture, Ed. by Dr. Chittabrata Palit, 2009.
 4. Indian Historiography, Volume I, Ed. by Dr. Chittabrata Palit, 2009.
 5. Continuities of Civil Rebellion in the Indian Mutinees, Ed. by Dr. Chittabrata Palit, 2009
 6. Studies in India's Maritime Trade, 2nd Edition, 2009
- (g) To publish a quarterly historical journal, entitled **The Quarterly Review of Historical Studies**. The Quarterly Review of Historical Studies has been enriched over the years, with contributions from reputed scholars, Indian and foreign. At the same time it has always kept its column open for young and talented scholars who, not un-often, are denied the satisfaction of getting their findings in print. The Review aims at promoting historical knowledge and in kindling interest in the same, with its means, by giving publicity to the findings of academics, old and young. The journal is running the 46th year of its publication. The journal has subscribers even outside India.
- (h) To grant **affiliation to scholars** (not necessarily our members) working on their independent research projects with the help of research fellowship granted by the Indian Council of Historical Research, New Delhi, and such other bodies.
- (i) To **undertake project work** with the grant from the Indian Council of Historical Research, Indian Council of Social Science Research, New Delhi, Indian National Science Academy (INSA) New Delhi, Ministry of Culture, New Delhi, Government of West Bengal and such other bodies. Two research projects entitled 'Indian Historiography' as funded by the Indian Council of Historical

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Research, New Delhi and 'Documentation of Dhokra Art of Bardhaman and Bankura Districts, West Bengal' as funded by the Department of Higher Education, Government of West Bengal, are going on. The first volume of the project work 'Indian Historiography' has come out and the 2nd volume of the work will come out shortly.

- (j) **Library** - The Institute specializes in historical journals and has most well-known historical journals of the world. The foreign journals include journal of the Royal Asiatic Society, Pacific Affairs, Journal of Asian & African Studies, Journal Asiatique, SHIGAKU – ZASSHI and THE TOYO GAKUHO etc. Some of the Indian journals include Indian Quarterly, Indian Horizons, Journal of Sikh Studies, The Sikh Review, Jayasree, Praci Jyoti, Span, Vishveshvaranand Indological Journal, Journal of Oriental Research, Annals of the Bhandarkar Oriental Research Institute and Journal of the Institutional Dayanand Vedapeetha etc. The library has a good number of rare collections like Prabashi etc.

The Department of Higher Education, Government of West Bengal has kindly released an amount of Rs. 5 lakhs for the development of our library.

Future Plans and Programmes

The future plans and programmes relating to activities of the Institute depend very largely upon the financial assistance that we can secure from the Central and State Governments as well as benevolent persons and institutions, interested in historical studies.

These may be summed up as follows :

- (a) To bring out the 2nd and enlarged edition of our prestigious publication 'Dictionary of National Biography' (Four volumes) incorporating some other eminent personalities. The first edition of the title is out of stock at present. Considering its academic value and demand from scholars and academic institutions of the state, we also intend to bring out the Bengali version of the title.
- (b) To publish the Dictionary of National Biography, Supplement Volume – IV.
- (c) To publish Indian Historiography, Volume II – IV. The first volume of the title is the outcome of the project on Indian Historiography (funded by the Indian Council of Historical Research, New Delhi). Each volume has been planned to include sections on ancient, medieval and modern India. The volumes will make a significant contributions to the Indian historiography which is now an emerging area of interest and has been included in the syllabi of all universities.
- (d) To open a six months course on Heritage Tourism at the Institute. The purpose of the course will not just be to generate internal revenue but also to see to it that those who join the course and get the diploma are suitably placed in the areas of Tourism and research. This will also help to develop tourism of the State of West Bengal. Towards the effective implementation of

the programme, a workshop was held at the Institute and Smt. Pritha Sarkar, Joint Director, Department of Tourism, Government of West Bengal has attended the workshop. The syllabus for the course is prepared with the help and co-operation of the Department of Tourism, University of Burdwan. The University of Burdwan has agreed to affiliate the course. The course will be opened immediately on receipt of its affiliation from the University.

- (e) We have applied to funding agencies like INSA, Ministry of Culture, New Delhi for our research projects. The projects are **(a) Biodiversity in Bengal : Historical Perspective, (b) Tibetan Refugees of Darjeeling and Sikkim : A Socio-Economic Profile with focus on Intergenerational Changes, and (c) Religious Arts and Crafts of the Eastern Himalayas : A Study Among the Buddhist Communities of Darjeeling and Sikkim.**

We are thankful to all those who have given us financial assistance, to all members of the Executive Committee for their kind co-operation and guidance, and to all the members and well-wishers of the Institute for their active interest and participation in the academic activities of the Institute.

10.5 PASCHIM BANGA ITIHAS SAMSDAD

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Paschim Banga Itihas Samsad (Founded in 1978 in Kolkata) is one of the largest regional associations of professional historians and history- inclined people in West Bengal. It has maintained close links with the Indian History Congress for more than two decades, as an organisation of historians, teachers, research scholars and history loving people from every districts of West Bengal as well as other parts of India and abroad. It has more than 3000 members ranging from the age of 18 and they are categorized as Life. As a matter of fact, the Samsad is the largest professional organization of the Historians and the Social Scientist committed to the writing of History on secular and scientific basis.

Objectives of Paschim Banga Itihas Samsad

- (1) Promotion to the cause of teaching and social relevant research in history and allied areas through the Bengal language and cultivation of linkages with other regional associations pursuing historical research in the mother tongue of their respective regions;
- (2) Initiation and consolidation of efforts aimed at upholding the secular and scientific values in matters of teaching and research in history and allied areas;

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- (3) Initiation and consolidation of efforts aimed at resisting and eradicating the menace of communalism;
- (4) Rendering assistance to academic bodies involved in rationalising and updating history curricula followed in various schools/ colleges/ universities of West Bengal;
- (5) Publication of books and compilation of documents emerging from the academic activities of the Samsad.

Activities in 2008-2009

1. Organised the **10th Ashin Das Gupta Memorial Lecture** which was delivered by **Professor Pabitra Sarkar** on "Itihas O Sahitya" on 15th March 2008 at Jibananada Sabhagriha. Paschimbanga Bangla Academy.
2. Organised the **D.D.Kosambi Birth-Centenary Lecture** which was delivered by **Professor Shyamal Chakraborty** on 3rd May 2008 at Dworbhanga Hall. University of Calcutta.
3. Organised the **13th Sushovan Sarkar Memorial Lecture** was delivered by **Prof. Sudhir Chakraborty** on 'Banglar Gounya-Dharmer Itihas' on 19th August 2008 at Presidency College, Kolkata.
4. **Professor Ashok Dutta** of the department of Archaeology. Calcutta I 'niversiry speaks in the Symposium on "**Mogolmari Archaeological Excavation**", organised by PBIS in collaboration with Vidyasagar Centre of Indological Studies. Rabindra Bharati university. held on 26th November, 2008 at Emerald Bower Campus, RBU.
5. **Paschim Banga Itihas Samsad** in Collaboration with National Service Scheme and Women Studies Centre. Rabindra Bharati University jointly organized A day long NATIONAL LEVEL WORKSHOP under the tutelage of West Bengal Commission For Women on 'Women & Law : Historical Legacy and Evolution' on 29 November,2008 at Udaysankar Kaksha, Jorasanko Campus (6/4 Darakanath Tagore Lane, Kolkata-7) of the Rabindra Bharati University. The Workshop was inaugurated at 10-30 am by Prof. Karunasindhu Das,Vice-Chancellor. RBU alone with Prof. Malini Bhattacharya, Chairperson, West Bengal Commission For Women as Guest-in-Chief Prof. Ishita Mukherjee. Director, Centre for Women Studies,C.U was present as a special guest and the workshop was presided over by Dr. Manju Chaiterjee, Prof. Aniruddha Ray, President PBIS has given valedictory address. The Resource Persons were Prof. Gangotri Chakrobarty, Ruksmini Sen, Ratnabali Charterji, Chandrei Alam, Bikramjit De, Taj Muhammad, Sarbani Ray, Swati Ghosh, Suparna Guptu, Tapaty Mukherjee & others. Welcome address was delivered by Dr Rajashri Basu, Director. Women's Studies Centre, and RBU. About 100 hundred scholars from different learned institutions of West Bengal participated in the Workshop.

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6. The 24th Annual Conference of the Samsad was held from 24 to 26 January 2009 at the Department of History, Rabindra Bharati University (Emerald Bower Campus). Professor Sabyasachi Bhattacharya, The Chairman, Indian Council for Historical Research and ex- Vice-Chancellor, Visva Bharati inaugurated the Conference and Prof. Sudarshan Raychaudhury, Hon'ble Minister of Higher Education, Govt. of West-Bengal was present to grace the occasion on as Chief Guest. Hon'ble Vice-Chancellor, RBU, Prof. Karuna Sindhu Das was present as the Guest-in-Honour in the inaugural ceremony and Prof. Aniruddha Ray presided over the function. In academic session, the Keynote address had been given by the eminent historian Prof. Deepak Kumar of JNU, New Delhi.

The Sectional Presidents were as follows : Prof Subrata Chakraborty (Ancient), Prof. Ezaz Hussain (Medieval): Prof. Swapan Basu (Modern) : Prof. Bhaskar Chakraborty (International). On this occasion, the Samsad organised the Abdul Wahab Mahmood memorial Seminar on ***Swadesh O Sanskriti: The Bengal Art***, which was held in the afternoon of January 24, 2009. Prof. Satyajit Chaudhury, Prof. Ratnabali Chatterjee and Shri Indranath Bandyopadhyay presented their papers and Prof Manju Chatterjee presided over the Seminar. More than one thousand Delegates as well as observer from different schools, colleges, universities and learned institutions of West Bengal included nearly one hundred Delegates from abroad and across the country used to attend the conference. The Proceedings (*Itihas Anusandhan-23*) of previous conference along with a souvenir was published on this occasion.

Publications in 2008-2009

1. **Itihasi O Sahitya** (Ashin Dasgupta Memorial Lecturer, 2008) by **Pabitra Sarkar**.
2. **Bangalir Gounya-Dharma Charchar Itihas** (Susobhan Chandra Sarkar Memorial Lecturer, 2008) by **Sudhir Chakraborty**.
3. **Banglar Swadeshi Ganajagaran** (Proceedings of the Seminar on the 'Centenary of The Swadeshi Movement' held at Tamluk College, 2005) Ed. by **Souvik Banerjee**.
4. **Itihash Anusandhan Vol. 23** (Proceedings of Annual Conference & Seminar held in 2008 at Hiralal Mazumder Memorial College For Girls, Dakshineswar): Ed. by **Prof. Aniruddha Ray**.
5. **Itihash Anusandhan: Suchi Sankalan** (Anthology of 25 years Vols. Contents) Ed. by **Susnata Das**.
6. **Smaranika** (Souvenir) published on the occasion of the Silver Jubilee conference of the Paschim Banga Itihas Samsad under the auspices of History Dept. Rabindra Bharati University : Ed. by **Sujata Mukherjee & Susnata Das**.

RESEARCH INSTITUTES AND AUTONOMOUS VOLUNTARY ORGANISATIONS

10.6 THE RAMKRISHNA MISSION INSTITUTE OF CULTURE

Estd. 1938

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The Ramakrishna Mission Institute of Culture, one of the main branch centers of Ramakrishna Mission with Headquarters at Belur Math, Howrah, West Bengal, presently located at Gol Park, in South Kolkata has always striven for upgrading the cultural values through the dissemination of the basic teachings of Vedanta as interpreted by Sri Ramakrishna and Swami Vivekananda and demonstrated through their divine lives and teachings. In its nearly seven decades of existence, the Institute has come to occupy a significant place for the philanthropic, cultural and educational activities through the dissemination of Indology, especially on Indian philosophy and culture in all aspects.

Activities during the year 2008-2009

Institute as Heritage Build

Confirmation of Vivekananda Award 2009

It was a year of one spectacular event such as conferment of Vivekananda award 2009. Sri Asim Chaudhuri of Phoenix, Arizona, U.S.A., an eminent scholar well-known for his study and research on Swami Vivekananda in America was selected by the Institute for the Vivekananda Award 2009. On 18 March, 2009, in an impressive ceremony Srimat Swami Atmasthanandaji Maharaj, President of Ramakrishna Math and Ramakrishna Mission, Belur Math presented cash award of Rs. 1.00 lakh and an elegantly decorated and aesthetically prepared Citation to Sri Asim Chaudhuri for his two outstanding books namely “**Swami Vivekananda in America — New Findings**” and “**Swami Vivekananda in Chicago — New Findings.**” Mr S. S. Nijjar, Hon'ble Chief Justice of Calcutta High Court delivered the Presidential Address.

Foundation Day Celebration

With a day-long programme the Institute celebrated its 71st Foundation Day on 29 January 2009. Mr. Gopalkrishna Gandhi, Governor of West Bengal attended the Reception and went round the Children's Art Exhibition set up by the Sarada Devi School of Arts and Crafts. The Governor presided over the Foundation Day meeting. The Foundation Day Oration was given by Professor Samir K. Brahmachari, Director General, Council of Scientific & Industrial Research, New Delhi on “Are Life Scientists trying to play God ?”

Anniversary Celebration of Sri Sri Thakur, Sri Sri Ma & Swamiji

To mark the 146th Birth Anniversary of Swami Vivekananda, a Grand Music Festival on 12 January 2009 was inaugurated by Swami Sarvabhutananda. As in previous years, this year too the Institute

celebrated birth Anniversary of Sri Ramakrishna, Sri Sri Sarada Devi and Swami Vivekananda with a colourful procession followed by Rally, on Nazrul Mancha on Sunday, 22nd February 2009. At the Rally devotional songs were sung. The function at Nazrul Mancha started with Vedic chanting.

Saraswati Puja Celebration

The most significant and spectacular event of the Institute during the year 2008-2009 was the Saraswati Puja which was celebrated on 31st January, 2009 in a solemn atmosphere with hundreds of devotees and participants.

Cultural Programmes

As a part of the Institute's regular activities for the spread and promotion of knowledge and promotion of higher values, the Institute, throughout the year, maintains, a busy schedule of lectures, seminars, symposia, music programme etc. 288 Public functions were also held throughout the year.

The Institute also conducted an All-India Elocution Competition on Swami Vivekananda in which there were 473 contestants from various Schools and Colleges and 73 Candidates won prizes.

Library

One of the busiest departments of the Institute is its Library in a well-ventilated, adequately illuminated spacious Reading Room in a computerized environment with the average daily attendance of 1761 readers. The Library has three wings — General, Children and Junior Section. The number of books purchased, obtained as gifts and bound periodicals during the year under report was 5750 raising the stock to 2,38,586/- (General 2,15,518, Junior 7641, Children 15,427).

Value Orientation Programme

To encourage young people to imbibe the ideal of the Ramakrishna Mission the Institute started a Youth Forum called Vivekananda Study Circle and later another youth wing called **Vivekananda Anushilan** for a deeper study of life and philosophy of Swami Vivekananda. The Vivekananda Anushilan conducted 26 sessions and Vivekananda Study Circle conducted 20 sessions. The Institute in its Value Orientation programme carried a man-making message of Swami Vivekananda further to the youth at large through 205 Youth Conferences held in 11 districts of Kolkata, Howrah, Hooghly, Nadia, Burdwan, Bankura, Murshidabad, Paschim Medinipur, Purba Medinipur, North and South 24 Parganas in which around 40,000 youth participated; 9 district-level Youth Conferences were held in Hooghly, Nadia, Bankura, Murshidabad, Howrah, Paschim Medinipur, Purba Medinipur, North and South 24 Parganas and also 3 District Level Teachers' Conferences were held in the districts of Murshidabad, North 24 Parganas and Nadia in which 750 teachers participated. Besides this 2 Central Youth Conventions were held on 26.10.2008 and 29.03.2009 at the Institute in which 2300 youth delegates and 300 observers participated.

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Value Education Programme

In pursuance of the guidelines framed by the Secondary and Higher Education, Ministry of Human Resource Development, Govt. of India, the Institute organized Value Education Programme involving three vital sectors of the society, namely students, parents and teachers. In the Value Education Workshop, 300 senior students, (boys 153 and girls 147) participated in a five-day class room session during 2-6 September 2008. Students took part in a two-day long service-oriented project work at Khanpur village during 8 - 9 November 2008 in which 230 students (boys 109 and girls 121) participated.

Publications

The Institute's activities towards the dissemination of knowledge in different disciplines are supported by its publications and the Institute has a very active and productive Publication Department. The monthly ***Bulletin*** with contributions from eminent scholars on culture in all its aspects was regularly published. Among other publications brought out this year by the Department, mention may be made of the **Great Thinkers on Ramakrishna Vivekananda, Great Sayings with Illustration, Subjectivity in Science, Understanding Consciousness and Comparative Religion**, all in English, **Swami Vivekananda aur Unka Sandesh and Biswabarenya Sri Ramakrishna**, both in Hindi and **Suktiratnamanjusha** in Bengali. A good number of the Institute's earlier publications were reprinted during the year.

Vivekananda Archive

Vivekananda Archives, as a wing under the Centre for Indological Studies and Research of the Institute has been engaged in the collection of all kinds of materials, specially publications in all languages – Indian and foreign (i) on and by Sri Ramakrishna, the Holy Mother, Swami Vivekananda and his brother disciples sannayasins of the Ramakrishna Order and other personalities related to the Ramakrishna-Vivekananda Movement. (ii) Thoughts and ideas expressed in Swamiji's work (iii) Reference to the personality of Swamiji in the Western Press and also help research scholars on the same subject.

Museum and Art Gallery

The Museum and Art Gallery has developed, as a place of interest, to the art-loving people of the city of Kolkata. It helps people gain a representative knowledge of Indian Art in its diverse forms. It has 5 major sections – Paintings, Sculpture, Folk Arts, Manuscript and Metal Wares. There are altogether in the Art Gallery 1243 objects. During the year Museum did not purchase any objects. 4 objects were gifted or donated by Sri Nihar Ranjan Chakraborty to enrich collection of the Museum. During the period 7 pcs. Art works of Plaster of paris by eminent artist late Pramatha Nath Mallick has been transferred to Bronze medium. The Annual Art Exhibition of the Sarada Devi School of

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Fine Arts and Crafts was held on 29 January 2009. Hon'ble Governor, Mr Gopalkrishna Gandhi went round the Exhibition set-up by the children. The Annual Exhibition "Exploring the Unexplored" was opened on 21 May, 2008 and continued till 21 June, 2008 which created great interest among the art loving people of the city. A major Academic Programme of this department is to run a ten-month Post-graduate Diploma Course in **Appreciation of Indian Art which** is recognised by Kavi Kulaguru Kalidas Sanskrit University, Nagpur. More than 30 Art Historians, Art critics and Artists are attached as faculty. 48 students have been admitted for this course for 2008. The Convocation for the Academic Session 2007-08 was held on 5 November 2008.

Centre for Indological Studies and Research

In pursuance of the objective that Research is the inherent and continuous activity of this Institute, the Centre for Indological Studies and Research carried on, during the year under Report, research work with scholars of the country and abroad. The Centre conducted, like previous years, this year too very successfully P. G. Diploma Courses in Indology, Functional Sanskrit and Appreciation of Indian Art. A nine-month much appreciated course in "**International Understanding for Human Unity**" was also conducted with the support of UNESCO and the Ministry of Human Resource Development,

Govt. of India where reputed academics from different parts of the country and representatives from UNESCO shared their knowledge and experience when delivering lectures to the participants of the course. 13 Pre-doctoral and 5 Post-doctoral scholars and 3 scholars are working in various projects. The Centre organized a 3-day National Seminar on "**Some Responses to Classical Yoga in the Modern Period**" during 3 - 4 January 2009. Two Sanskrit Workshops – Preliminary and Advance were held this year. A fifteen-day Sanskrit Preliminary level Workshop was conducted from 2nd February to 18th February, 2009 to promote Sanskrit language. A Sanskrit debate was held on 10 December, 2008. The Convocation of the Centre was held on 05 November, 2008. The Centre also organized the concluding Workshop on "Historical Evaluation of India". Another International Seminar under the aegis of Swami Ranganathananda Chair on "Total Human Development in the Light of Ramakrishna-Vivekananda Tradition" was held on 14 December, 2008.

School of Languages

One of the major wings and centre of activities of the Institute is its School of Languages. During the year under Report the School taught 17 languages: 5 Indian – Bengali, Hindi, Sankrit, Tamil and Urdu and 12 Foreign – Arabic, Chinese, English, French, German, Italian, Japanese, Latin, Persian, Portuguese, Russian and Spanish. The total enrolment during 2008 – 2009 was 22,308. English language accounted for 85.67% of the total enrolment. This year 270 students were exempted from paying their tuition fees and 201 scholarships were given to needy and meritorious students of the English Language Course. The Tulsi-Beena Goswami Debate Competition was held on 01 November, 2008. The topic was "In the Opinion of the House, Nuclear Power Ensures Peace". 56 students

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participated in the debate. A number of dignitaries of various foreign embassies and consulates visited the School during the year. The first Diploma in Spanish language examination in eastern India was held at the School on 22 and 23 August 2008 which was conducted by the Instituto Cervantes, New Delhi.

Educational Assistance

During the period under Report, with the income from endowments created by the donors the Institute gave a large number of scholarships and stipends to needy but meritorious students. Besides this, 4 scholarships of Rs. 1,00,000/- each for higher studies abroad were awarded to 4 scholars through Debesh-Kamal Scholarship; and a few more scholarships to medical students in West Bengal. The total educational assistance rendered by the Institute during the year is Rs. 17,63,236/-.

Charitable Work among Slum Children

During the year under Report the Institute served $\frac{1}{2}$ liter milk and 200 gm bread, and biscuit everyday to poor children up to 6 years of age. They were given Puja garments, and blankets. Besides this, 600 Pieces of blankets were given to the poor, old destitutes in winter.

International House

The Institute has an International House meant for Institute's guests, scholars and students from various parts of India as well as abroad. They help create the bridge which unites minds and spirits of the people with different backgrounds. During the year under report 3433 guests stayed at this International House of which 2288 were from India and the rest came from various other countries like U.S.A., U.K., Germany, Canada, Japan, Australia, Bangladesh, China, Korea, Italy, Nigeria, Romania, Thailand etc.

10.7 SOCIO-ECONOMIC RESEARCH INSTITUTE

Date of establishment : 7th July 1959

C-19, C-39 & P-16 (Tower Block), College Street Market, (1st Floor), Kolkata - 700 007

Phone : +91(033) 2241-0775, Fax : +91(033) 2219-8169

E-mail : socioecoresearch@vsnl.net

The Institute is devoted to the study of social and economic problems of India, past and present. Prof. Asis Kumar Banerjee is the President and Prof. Durga Prasad Bhattacharyya is the present Secretary of the organisation.

The ongoing research projects of the Institute are the following :

1. Pre-Census Population Project of India sponsored by the Planning Commission and the Registrar General, India :

The purpose of the project is to compile and publish descriptive and statistical materials on any part of India — Provinces, districts, cities, towns, taluks, thanas, villages from the ancient period of 1870 when the first census was conducted. It is proposed to publish 8 volumes, one volume for the period up to 1800, and one for each decade from 1801 to 1870. Four volumes relating to the period 1801-1840 have been published by the Registrar General, India. The manuscripts for Volume VI (1841-1850) and Volume VII (1851-1860) is ready for publication by the Registrar General, India.

1.1 The Registrar General, India has sanctioned a grant of Rs. 12,89,400 for compilation of three volumes - 5000 B.C. to 1800 A.D., 1861-1870 and a residual volume.

2. A Bibliography of Bengali writing on social sciences 1948 onward sponsored by the Indian Council of Social Science Research (ICSSR), Union Ministry of Human Resource Development :

The Institute has compiled a bibliography of economic and sociological writings in Bengali up to 1950 with the support of the ICSSR. The Paschim Banga Bangla Academy has published the bibliography of economic writings in Bengali. The Institute has completed a catalogue with annotation of books and articles for a bibliography of all branches of social science from 1948 to 1990 and the manuscript of secondary sources is ready for publication.

3. Economic History of India: Documents. 1858-1901—Agriculture and Irrigation—sponsored by the Indian Council of Historical Research (ICHR), Union Ministry of Human Resource Development :

Two volumes of the manuscript are in the press.

As requested by the ICHR, a proposal for compilation of materials on agricultural and irrigation of India has been submitted to them with a budget of Rs. 6 lakhs.

4. Bengali Writings on Science and Technology, 1800-1950 :

The Institute is going to publish Bengali Writings on Science and Technology, 1800-1950.

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10.8 SRI SRI SITARAMDAS OMKARNATH SAMSKRITA SIKSHA SAMSDAD

107, Southern Avenue, 'Vaikunthadham',
Kolkata - 700 029
Ph : 2466 4983

The Samsad which was founded in 1986 and registered under the West Bengal Societies Registration Act, is dedicated to the cause of Sanskrit and Vedic learning as also dissemination of the message of Indian Culture throughout the Country. It is recognised by the Government of West Bengal and the Government of India and is receiving grants from both the Government. It is progressing slowly but steadily towards attaining the status of centre of excellence. With a view to achieving its aforesaid objectives, the Samsad undertook the following activities.

Activities during the year 2008-2009 :

The Samsad which was founded in 1986 and registered under the West Bengal Societies Registration Act, is dedicated to the cause of Education in general and Sanskrit and Vedic learning in particular as also dissemination of the message of Indian Culture throughout the Country. It is recognised by the Government of West Bengal and the Government of India and is receiving grants from both the Governments. With the financial assistance and patronage of both the Governments, it is progressing slowly but steadily towards attaining the status of centre of excellence. With a view to achieving its aforesaid objectives, the Samsad undertook the following activities during the year '2008-2009'.

The Samsad has become the premier institute in the Eastern Region of the country imparting instructions in Sanskrit and other oriental subjects in accordance with syllabus prescribed by the Government of India. It is also concurrently running a very important traditional course leading to the titles of 'Adya', 'Madhya' and 'Upadhi', through Examinations conducted by the Vangiya Sanskrita Siksha Parishat, a wing set up by the Government of West Bengal to monitor Sanskrit learning in the State. Performance of its students in these examinations during the year was very satisfactory. Alongwith these courses students are also being taught in modern subjects and Computer Application with the ultimate object of preparing them to sit for the Secondary Examination. In fact, three students have appeared at the Secondary Examination, 2009. This will, no doubt, enlarge the scope of their employment. During the year in question, the Samsad had been maintaining 64 students in its four units.

A very important programme, namely, All India Vaidic Sammelan was held by the Samsad in collaboration with Maharshi Sandipani Rashtriya Vedavidya Pratishthan, Ujjain, during the period December 19-21,2008. The Sammelan was a grand success. Vedic Pandits numbering about 250 and eminent scholars of national and international reputation including about 6 Vice-Chancellors coming from various parts of the country actively participated in the Sammelan. This galaxy of scholars could attract huge gathering consisting of highly enthusiastic persons from all walks of life.

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The entire programme was presided over by Professor Ramaranjan Mukherji.

During the year four of its students who completed their 6-year Vedic course and who were thus eligible to appear at the Final All India Examination held annually by Maharshi Sandipani Rashtriya Vedavidya Pratishthan at Ujjain passed the said examination creditably. It is highly encouraging that one of them secured first class. This will, no doubt, give tremendous inspiration to the junior students.

The Samsad has a publication wing and a few books on Indology, Sanskrit and Bengali literature have already been published and few others are under process. The following the titles have been published till date by the Samsad :

1. Sreemad Bhagavatam with Bengali Translation and notes.
2. Sreemad Bhagavadgita with Bengali Translation by Ananta Kumar Dutta.
3. Sreemad Bhagavadgita (abridged edition).
4. Pravat Suryer dese by Dr. Arati Mukherji.
5. Purano sai diner Katha by Dr. Arati Mukherji.
6. Vaisnav Sristi Samiksha by Professor Debranjan Mukherji.
7. Saktapadavali O' Sakti - darsan by Professor Debaranjan Mukherji.
8. The Art of Life: General Editor Professor Ramaranjan Mukherji.
9. Anthology of Sanskrit Poetics: General Editor Professor Ramaranjan Mukherji.
10. Glimpses of Indian Civilisation by Dr. Parthasarathi Mukhopadhyay.
11. Some aspects of Ancient Indian Political, Legal and Social Thoughts by Dr. Ramnarayan Mukhopadhyay.
12. Songs That Bridge The Gulf by Prof. Tarapada Bhattacharya
13. Meghadutam edited by Mahadev Chandra Pal. (In Press)

The Samsad had already set up a cultural unit, which holds such cultural programmes as would promote Indian culture. Besides, research works in different areas of Indian culture and performing arts are being carried on in this Unit.

The Samsad does not confine its activities to traditional subjects alone, but it tries to make its students conversant with some basics of science and new scientific developments through discourses on various scientific topics. During the year arrangements have been made for certain sports and games. The students are now regularly playing Football and Cricket in the afternoon in the adjoining field.

The Foundation Day of the Samsad duly observed on September 5, 2007 at Vaikunthadham, 107, Southern Avenue, Kolkata- 700 029. On this occasion a Wall-Magazine titled, "Sura-Sristi" with

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contributions from the students only was inaugurated. The Foundation Day Oration was delivered by Justice Susanta Chattopadhyay, Formerly Chief Justice, Orissa High Court and the function was presided over by Professor Ramaranjan Mukherji.

For the first time, Debate Competition, has been introduced amongst the students during the current year, on the occasion of "Teachers"Day". A special programme in Sanskrit titled, "Durge Durgati Nashini", was staged by the students on the occasion of Mahalaya. The programme was highly appreciated by the audience.

As in previous years, this year also Samsad held its own Examination at Kolkata in 'Adya', 'Madhya' and 'Upadhi' in accordance with syllabus drawn by the topmost scholars in the country. The Examinations evoked keen interest and as many as 710 candidates from various districts appeared thereat.

The Samsad has already established itself as one of the leading Research Institutes in the country. As recommended by the State Government the following projects were earlier allotted to it by the Government of India :

(i) Compilation of Anthology; (ii) Art of Life; (iii) Compilation of a Dictionary of Sanskrit Poetics; (iv) Iswar Chandra, Bankim Chandra, Swami Vivekananda, Sri Aurobindo and Rabindranath Tagore in Sanskrit. (v) Translation of certain Sanskrit Texts into Bengali.

During the year in question, two more research projects, as mentioned below, have been allotted to the Institution by the Government of India.

- (a) Status of Tista - Brahmaputra Valley in Sanskrit Literature.
- (b) Translation of Kavyadarsha and Sahitya Darpan.

While some of the projects have since been completed, works in respect of others are making satisfactory progress.

10.9 CALCUTTA MATHEMATICAL SOCIETY

AE-374, Sector-I, Salt Lake City
Kolkata - 700 064
Phone : (91) (033) 2337-8882
Fax : (91) (033) 2337-6290

The Calcutta Mathematical Society (CMS) undertook various activities during the year 2008- 2009, related to the development of teaching and research in Mathematics and Mathematical Sciences for which objectives the Society was established in 1908 at the Senate House of Calcutta University with Sir Asutosh Mookerjee as the founder President and Sir Gurudas Bandyopadhyay as one of its founder

Vice-Presidents. It is carrying on its distinct culture, heritage and its independence with the financial support from the Government of India and Government of West Bengal. It is one of the oldest Mathematical Society of the World and is now recognized as International Center of Excellence.

Major activities and achievements during 2008-2009 :

Publication of Journals : The Society published all its four internationally recognized series of journals namely “Bulletin of the Calcutta Mathematical Society”, “News Bulletin of Calcutta Mathematical Society”, “Review Bulletin of the Calcutta Mathematical Society”, and the new title “Journal of the Calcutta Mathematical Society” for the year 2008 in time. “Calcutta Mathematical Society Centenary Publication”, Volume 2(2008) : ‘**Analysis**’ had also been published on September 6, 2008, the Foundation Day of the Calcutta Mathematical Society.

Other Publications of the Society :

- Silver jubilee volume of the Calcutta Mathematical Society.
- Golden jubilee volume (Part I & Part II) of the Bulletin of the Calcutta Mathematical Society.
- Sir Asutosh Mookerjee's Birth Centenary Commemoration volume of the Bulletin of the Calcutta Mathematical Society (1964).
- Proc. of the Seminar on Scientific Contributions of Professor S. N. Bose (1973)
- Diamond –cum-platinum Jubilee Commemoration volume (1984)
- Research monograph of eminent Indian and Foreign mathematicians.
- Proc. Of the International Symposium on Recent Advances in Mathematics and its Applications-ISRAMA 2007.

Library : Over the years the library of the Society has attained the distinction of being one of the richest libraries in the country particularly in the field of Mathematics and Mathematical Sciences. Library has now more than 20,000 volumes of books and journals altogether. The Society has exchange relations with more than 100 different Universities, Institutions and Learned Societies all over the world under ‘Journal Exchange programme’. Society now receives 120 foreign journals from USA, UK, Japan, Yugoslavia, China, Korea, France, Australia, Germany, Spain, Czechoslovakia, Italy, Poland, Canada and 25 journals from different states of India. Library also maintains manuscripts and letters of Professor S.N.Bose, life history of Professor Bhubuti Bhusan Dutta (later known Swami Vidyananda). Several valuable papers of the eminent scientists of the World like Henry Poincare, W.H.Young, H.Lamb, G.H Hardy, W.Sierstinski, F.Riesz, A.R.Forsyth, D. Smith, M. Frechet, E.T.Whittaker, Meghnad Saha, C.V.Raman, S.Chandrasekhar, S.N.Bose, Ganesh Prasad and many others had been published in the Bulletin of the Calcutta Mathematical Society, which were bound and kept in the library.

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Academic activities of the Calcutta Mathematical Society :

Seminar & Symposia : The Society organized year-long centennial celebration with the financial support from the Govt. of India and Govt. of West Bengal which were as follows :

(A) Phase-I : 3-day National Seminar on “Mathematics Education and Research in India” was held during 6-8 September, 2008 to celebrate its centenary. More than one hundred mathematicians and physicists from different states of India participated and from some countries participated in this seminar.

Phase-II : International Symposium on’ Recent Advances in Mathematics and its Applications’(ISRAMA2008) during 19-21 December, 2008. More than 200 scientists throughout the world participated in the seminar. The programme included invited lectures by eminent researchers as well as contributed papers. Professor G.P.Wene(University of Texas,USA) inaugurated ISRAMA 2008 and Professor M.R.Adhikari described the role of Calcutta Mathematical Society for promotion of Mathematics Education and Research. Professor Alfonso Carriazo(Univ.of Sevilla,Spain), Professor Toshiaki Adachi (Japan), Professor Z.Oziewicz(USA) and many others gave speeches on this occasion. Prof. B. K. Lahiri,former President of the Society was the Chairman of the inaugural function. Renowned scientists namely Prof. Erik Trell(Sweden), L.I.Petrova (Russia), Prof. Akira Asada(Japan), Prof.T.Adachi(Japan),Prof. M.Ferrara(Italy), Prof.Carl Swopes(USA), Prof. Ch. Mamaloukas(Greece), Prof.A.Biswas (USA), Prof . M. K. Islam(South Africa) to mention a few, actively participated in the Symposium. The Symposium provided an ideal forum for participating scientists to exchange ideas in the developments in different areas of Mathematics and their applications including medical sciences, information technology, cryptography, censor network, DNA secret sharing schemes, physical and environmental sciences. ISRAMA-2008 is a significant landmark in the life of many young participants who have attained the requisite level of knowledge. Indian participants specially young scientists had the opportunity to exchange ideas and for possible scientific collaboration with many Indian and foreign scientists in the recent developments in different areas of mathematics and their applications.

This meeting fostered friendship among the scientists of the participating countries.

(B) Memorial & other lectures : Society organized several lectures throughout the year.

- i) Cullis Memorial Lecture-2008 was given by Prof. G.P.Wene(Univ.of Texas) The topic was “Semifields of odd dimension over $GF(2)$ containing subalgebras of even dimension over $GF(2)$.”

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- ii) Suddodhan Ghosh Memorial Lecture-2008 was given by Prof. Y.Shikata (Japan). The topic was "On oscillation equations in view of forced oscillation and catastrophe theory"
 - iii) S. N. Bose Memorial Lecture-2008 was given by Prof. Z.Oziewicz (USA). The topic was "Aether needs relativity group".
 - iv) A. B. Dutta Memorial lecture-2008 was given by Prof. Akira Asada(Japan). The topic was "Infinite order differential operator, Campbell-Hausdorff formula and variable change of functional calculus".
 - v) R. C. Gupta Memorial lecture-2008 was given by Y.Kitaoka (Japan). The topic was "Distribution of units of an algebraic number field modulo ideals".
 - vi) J. C. Saha Memorial Lecture-2008 was given by Prof. Erik Trelle(Sweden). The topic was "Realization of elementary matter in self-replicating regular solid rewrite".
- Society organized special lectures by the renowned mathematicians for the benefit of the researcher and students. A special lecture was given by Prof. Ralph Abraham(Univ. of California) on 7.2.2009. The topic was "Complex dynamical systems and structure". Seminar Lectures are held regularly on Saturdays throughout the year.
 - Different awards and scholarships from school level to research level were given during this period. Different training programmes were undertaken on a regular basis throughout the year to motivate and stimulate the students.

(C) Future Plans and Programmes :

- i) To organize Workshop cum Seminars on Mathematics at different levels (School, college & research levels).
- ii) to publish several volumes of centenary publication of Calcutta Mathematical Society
- iii) to undertake different training programmes on a regular basis throughout the year
- iv) to publish Research Monographs in several volumes on occasion of 100 years continuous publication of the Research Journal " Bulletin of the Calcutta Mathematical Society" since 1909.

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10.10 INSTITUTE OF SCIENCE, EDUCATION AND CULTURE (ISEC)

ISEC House, 42-B, Syed Amir Ali Avenue

Kolkata - 700 017

Phone : 2280 1798

Fax : 9133-2247 4502,

E-mail : iseckol@vsnl.net

Science generates employment for the individuals, provides security to the society and gives political power to the nation. Therefore no nation can neglect development and propagation of science in the country. Science denotes pure science, technological science and medical science.

In the above mentioned context, a team of scientist, engineer, educationist, sociologist and social philosophers established the organization namely 'Institute of Science, Education and Culture' (ISEC) in 1980 at Kolkata. The activities during 2008-2009 of this organization are stated below in brief.

Activities of ISEC during the year 2008-2009

ISEC conducted various categories of science-related activities. Among these a few are enumerated below :

a) **Publication of the journal : Indian Science Cruiser :**

India has produced many celebrated scientists working in their own fields with personal interest and placed India in high esteem in world forum. However, research and analysis show that in India science publications are in the form of bulletins, newsletters, centre for science report and the like. There are not many comprehensive science journals for the use of science community in general.

The 'Indian Science Cruiser' published by ISEC and, as the title signifies cruising in the ocean of science – consists of feature article, research article, opinion, views, book review, news, conference reports, editorial etc. thus it consists of the entire gamut of science and is published five issues a year at present and in all sciences. The following five issues published during the Financial Year 2008-2009 :

Indian Science Cruiser, Vol 21, No. 3, May 2007

Indian Science Cruiser, Vol 21, No. 4, August 2007

Indian Science Cruiser, Vol 21, No. 5, November 2007

Indian Science Cruiser, Vol 22, No. 1, January 2008

Indian Science Cruiser, Vol 22, No. 2, March 2008

The journal is gaining popularity day by day amongst students, teachers, research scholars, policy-makers in the country and is now available in almost all the libraries in India.

b) Formation of a Forum for science-based Seminars

A forum of organizing national and international seminars, conference, and workshop is being formed on various topics of science, technology and education throughout the year. Such seminars are conducted by ISEC at least three times a year at present. Such events keep the science community stimulant on science matter. Such discussions keep the science community awoken and motivated in introducing such topics. Similarly few people-oriented talks are organized on topics like 'Antarctica Expedition', 'Moon Expedition' or 'Rainwater Harvesting' etc for more expanded community. The following invited talk and seminars were organized during the year.

Invited Talk**n Antarctica Expedition**

by Dr. (Ms) Sudipta Sengupta, Dept of Geology, Jadavpur University on 24th May 2008 in the Auditorium of BITM.

Seminars :**n Alternative and Solar Energy: The Talk of the Day**

on 6th September 2008 in BITM Auditorium.

n To pay homage and tribute to our great scientist, Acharya Jagadish Chandra Bose, on his 150th birth anniversary, ISEC organized a seminar on **Acharya Jagadish Chandra Bose** on 29th November 2008 in the BITM auditorium. A host of notable speakers were invited and they highlighted on different facts and the life history of Acharya J C Bose.

n National Seminar on **Modern Polymer Materials and their Applications** on 21st February 2009 in the BITM Auditorium. Many distinguished speakers from R&D organizations, Professors from Universities, IIT Professors; etc throughout India participated and delivered their presentations in this seminar.

The above programmes were conducted by ISEC in collaboration with Birla Industrial and Technological Museum (BITM).

c) ISEC Publishing

Sometimes some members plan to write books on topics which are not available in the market, which are accepted for publication by ISEC.

d) ISEC Technical Library

A modest attempt is being done to develop a full-fledged library of science and technical books, magazines, directories etc.

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10.11 INSTITUTE OF DEVELOPMENT STUDIES KOLKATA

Calcutta University Alipore Campus,

1, Reformatory Street, 5th Floor,

Kolkata - 700 027

Tel : 91 (033) 2448-8178/2225, Fax : 91 (033) 2448-1364

Website : www.idsk@edu.in

The Institute of Development Studies Kolkata (IDSK) has been promoted by the Government of West Bengal as an autonomous centre of excellence in social sciences. It was founded in 2002 as a society with an autonomous governing body, with one of the most eminent historians in India, Professor Irfan Habib as President, Professor Amiya Kumar Bagchi as Director and with a Governing Council on which are represented the current of former Vice-Chancellors of two leading Universities in West Bengal, namely Calcutta University and Jadavpur University. The Governing Council also includes such eminent academics as Professor Nirmal Chandra, Professor Atis Dasgupta, Professor Subimal Sen, Professor V.K. Ramachandran and Professor Malini Bhattacharya as its members.

Important Activities during 2008-2009 :

The IDSK is devoted to advanced academic research and informed policy advice in the areas of literacy, education, health, gender issues, employment, technology, communication, human sciences and economic development. Other programmes include training of research scholars in the social sciences working towards a Ph.D. The Institute is committed to the dissemination of its research findings through workshops, seminars, publications in the media, and other public counselling and education programmes. In the area of teaching its flagship programme is the multidisciplinary M.Phil programme on Development Studies, in collaboration with the Centre for Social Sciences and Humanities, University of Calcutta. It completed its first two-year course in July 2008 and eleven M.Phil candidates obtained the M.Phil degree in Development Studies from the University of Calcutta.

The IDSK is now in the seventh year of its existence. During the seven years of its existence, it has made its mark in the world of research in social sciences and humanities in West Bengal and Eastern India. It has actively collaborated with the departments of history, economics, political science, philosophy, business management, the Science College, and the Centre for Urban Economic Studies and Women's Studies Research Centre, and most frequently, with the Centre for Social Sciences and Humanities, of Calcutta University. The Institute has also organized a number of training and research programmes, generally in collaboration with other academic institutions, the details of which have been given in the body of the report.

The foundation stone of the building of the IDSK was laid by Shri Buddhadeb Bhattacharjee, Honourable Chief Minister of Government of West Bengal on 15 February 2008 at 27/D, DD Block, Salt Lake. The building at the site is coming up on schedule and the IDSK is expected to shift to its new premises by the end of 2009.

The University Grants Commission(UGC) has sponsored the setting up of the **Rabindranath Tagore Centre for Human Development Studies(RNTCHDS)** under the auspices of the IDSK through the University of Calcutta. An Advisory Committee has been constituted with the Vice-Chancellor of the University of Calcutta as Chairman, the Director of IDSK as Vice-Chairman and with other representatives from the IDSK and the University of Calcutta. The Committee has formulated certain guidelines for the functioning of the RNTCHDS. The academic scheme of the Centre includes a programme for Ph.D students, post doctoral fellows and visiting academics at various levels. The setting up of this Centre and the larger space at the new premises of IDSK will facilitate further work in the areas in which the IDSK has already made a major mark. These include studies of education, especially among the disadvantaged communities of India, a structured programme for study of rural health care in West Bengal and issues of gender, work and displacement.

Talks of collaboration with the academics of the University of Calcutta, faculty of the IDSK and Monash University on public health issues are in active progress.

Research Programmes :

A. The programme on ‘Women, work and education’ funded by the Rosa Luxemburg Stiftung, Berlin.

The Rosa Luxemburg Foundation, Berlin funded a project for three years on **Women and media in the context of globalization** in 2004. This was brought to a successful completion in November 2006. Then the IDSK started its second project on **Women, work and education** funded by the Rosa Luxemburg Foundation in 2007 and it was completed in December 2008. This two-year long interdisciplinary project started in 2007. Professors Achin Chakraborty and Subhoranjan Dasgupta were the coordinators of this project in which Drs. Indrani Chakraborty, Zakir Husain and Barnita Bagchi were also actively involved. The project on ‘Women, work and education’ was primarily based on the reading of secondary literature, in-depth surveys, interviews and rigorous evaluation of the data collected in the surveys. Two particular segments of women’s activity were chosen for survey and econometric analysis, namely, women’s engagement in the beedi industry and women’s engagement in the IT sector. While the first showed that there was no uni-linear link between education and employment in its sphere, the second, in comparison, demonstrated the link between education and work. After the successful completion of the second project **Women, work and education** the IDSK is at present engaged in the third project **Employment, empowerment and the state** sponsored by the Rosa Luxemburg Foundation.

B. The project on ‘Documents on the economic history of British Rule in India 1858-1947

The Indian Council of Historical Research (ICHR) has appointed Professor Amiya Kumar Bagchi General Editor of the project of compiling the basic documents on the economic

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history of India under British rule and Professor Arun Bandyopadhyay, Nurul Hasan Professor of History, Calcutta University, Associate Editor of the project. It is a huge project because among other things, economic history is taken in the widest possible meaning of the term, covering data and developments judged significant for the economic, social, legal and ecological history of the country. Under the joint direction of the General and Associate Editors and the work of a team of research assistants of the project, the documents for Eastern India covering the period 1860s-1870s have been collected in a volume that was published by Manohar and released at IDSK on 31 March 2009. A second volume containing documents related to Eastern India during the 1880s and 1890s is expected to be sent to the ICHR by the end of March 2009.

Dr. Bhubanes Misra had compiled three volumes of railway documents pertaining to the period and these had been published by the ICHR. Under the revived project, Dr Misra was appointed as Editor in charge of the further volumes of railway documents, working under the guidance of the General Editor. A fourth volume of the railway documents has been prepared and has been sent to the ICHR. A fifth volume is under active preparation.

C. **The State Development Report**

The Development and Planning Department, Government of West Bengal and the Planning Commission, Government of India approached the IDSK for preparing a State Development Report for West Bengal. The draft report was completed by September 2007 under the direction of Professor Debdas Banerjee. After incorporating the suggestions of the workshop held on 22 November 2007, a penultimate report was prepared by Dr. Panchanan Das and other members of the IDSK under the guidance of Professor Amiya Kumar Bagchi. The report was submitted to the Core Committee at a meeting of the Planning Commission on 17 November 2008. The final version of the State Development Report has been sent to the Planning Commission and the Development and Planning Department, Government of West Bengal in the beginning of March 2009. The final Report contains fourteen chapters. They are Growth and Structural Changes, Agriculture, Industry, Services, Rural development, Urban Development, Employment, Unorganized Sector, Power Sector, Public Health, Education, Social Progress, Environment and State Finance.

D. **Possibilities of closer economic ties between India and Australia in capital goods Industries in the WTO regime**

The Institute took up a project on **Possibilities of closer economic ties between India and Australia in capital goods industries in the WTO regime** sponsored by Macquarie University, Sydney, Australia. Dr. Uttam Bhattacharya of IDSK is coordinating the project along with other researchers in India. Dr. Pundarik Mukhopadhyay of Macquarie University and Dr. P.K. Basu from the Charles Stuart University are in charge of the project at the

Australian end. The objective of the project has to analyze the existing trade and industrial scenario of India and Australia since 1991. The possibilities of further economic collaborations in manufacturing areas between India and Australia have also been pointed out. This study has also tried to focus on the attitude of the manufacturers and traders towards foreign collaboration with special focus on Australia. The project is in the final stage of report writing.

E. Preparation of Birbhum District Human Development Report

This is the third in the series of District Human Development Reports that the Department of Planning, Government of West Bengal, has instructed the District Magistrates (DM) of different districts to prepare their own reports with the help of experts from the academia. IDSK was requested by the Office of DM, Birbhum, for help. At IDSK, along with Professor Achin Chakraborty, (lead coordinator), Dr. Subrata Mukherjee and Dr. Saswata Ghosh were involved in preparation of this report. The Report was duly completed and was released by Shri Buddhadeb Bhattacharjee, Honourable Chief Minister of West Bengal on 4 February 2009.

F. MDG-based Poverty Reduction Strategy for West Bengal

To help the planning processes in the states, UNDP, through the Indira Gandhi Institute of Development Research (IGIDR), Mumbai, as the nodal agency, commissioned MDG-based poverty reduction strategy papers for as many Indian states as possible. The present paper on West Bengal, prepared by Professor Achin Chakraborty and Dr. Subrata Mukherjee of IDSK, is among the two or three such papers that have so far been completed for different states. The paper has been submitted to IGIDR, and IGIDR has shared it with the Department of Planning and Development, Government of West Bengal. The paper examines the poverty and deprivation situation in West Bengal in a multidimensional framework and explores possible strategies towards reduction of poverty in the state, keeping in view the Millenium Development Goals (MDGs).

G. The project on 'Economic and employment status of Minorities in West Bengal : Evidence from NSS'

The IDSK has undertaken a project on 'Economic and employment status of minorities in West Bengal' based on NSSO 61st Round sponsored by the Department of Minority Affairs and Madrasah Education Department, Government of West Bengal. Dr. Zakir Husain was the lead coordinator of the project. The final report of the project was submitted to the Minority Affairs Department during the last week of November 2008.

III Collaborations

a. Collaboration with the University of Calcutta

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In 2006, IDSK has launched a multidisciplinary M.Phil programme in Development Studies, in collaboration with the Centre for Social Sciences and Humanities (CSSH), University of Calcutta. The M.Phil degree is to be conferred by the University of Calcutta. The first batch of eleven M.Phil students (2006-08) successfully completed their coursework and dissertation and obtained their degrees in 2008. The teaching faculty mainly consists of the IDSK faculty and the University faculty associated with CSSH. The details of the M.Phil programme are provided in the next section.

b. Collaboration with Sciences PO, Paris, France

IDSK and the Fondation Nationale des Sciences Politiques (Sciences Po), Paris have entered into a collaboration agreement. Under this agreement two students of Sciences Po have come as interns for attending the M.Phil Course in Development Studies for one semester. Sciences Po will arrange for a scholar to visit Sciences Po as holder of a Chaire Finances Internationales.

c. Collaboration with Maison des Sciences de l'Homme, Paris

IDSK and Maison des Sciences de l'Homme (MSH), Paris have entered into collaborative relations. IDSK faculty members have held fellowships at the MSH. In the academic year 2007- 08, a collaborative Conference between the two institutions, on 'Utopia, dystopia and development', was organized in Paris. It is expected that a book will be published containing a selection of papers presented at the conference.

d. Collaboration with South Asia Institute (SAI), University of Heidelberg, Germany

A collaborative agreement has been made between IDSK and SAI, University of Heidelberg under which cooperation shall be carried out in exchanging faculty members, academic materials and other information, participating in seminars and academic meetings and holding interdisciplinary and result-oriented joint research activities. An international seminar was held in 2008 under this programme.

IV. Teaching and Research Guidance

M.Phil in Development Studies

The M.Phil. Programme in Development Studies is multi-disciplinary in nature, and designed to provide an understanding of various perspectives on development issues, through a rigorous course work and guided research. The perspectives are drawn from different disciplines, with a strong emphasis on the classics in social sciences and humanities. The curriculum emphasizes a heterodox perspective on social science paradigms and the

methodological underpinnings of social science research. The strength of the course particularly lies in the balance it maintains between theory and hands-on training on tools of analysis – both quantitative and qualitative.

The duration of the entire programme is two years – equally divided between course work and writing dissertation. The first year of course work is further divided into two halves. The first half deals with the core courses, which all the students have to go through, and the second deals with the specialization courses distinguished by a few select disciplines. On completion of the first semester of course work, each student is to specialize in one of the following disciplinary areas: literature and cultural studies, economics, sociology, history and political science. The specialization courses, irrespective of the disciplinary area, will have a strong emphasis on development-oriented topics. By the end of the first year, students will choose their dissertation topics and start working under the close supervision of the faculty.

The third M.Phil course in Development Studies for the session 2008 –2010 in collaboration with the University of Calcutta was started in July 2008. The dissertations of M. Phil students for the session 2007-09 are in final phase.

V. **Conferences, Seminars and workshops**

A. **Conferences and seminars**

A national conference on **Women, Work and Education** was held on 22 and 23 August 2008. The speakers in the seminar were Dr. Padmini Swaminathan of Madras Institute of Development Studies, Professor Sunanda Sen of Academy Third World Studies, University of Jamia Millia Islamia, Professor Jeemol Unni, Gujarat Institute of Development Studies, Dr. Ravi Srivastava, Member, National Commission for Enterprises in the Unorganised Sector, Dr. Mukul Mukherjee, Women's Studies Research Centre, University of Calcutta, Professor Supriya Roy Chowdhury, Institute for Social Economic Change, Bangalore, Professor Ishita Mukhopadhyay of Women's Studies Research Centre, University of Calcutta and Professor Chaiti Sharma of Indian Statistical Institute, Kolkata, Drs. Deepita Chakravarty of CESS, Hyderabad and Ishita Chakravarty of Vidyasagar College, Kolkata, Dr. Indrani Mazumdar of Centre for Women's Development Studies, New Delhi, Professor Samita Sen of School of Women's Studies, Drs. Zakir Husain of IDSK and Mousumi Dutta of Presidency College, Kolkata, Professor Achin Chakraborty and Dr. Indrani Chakraborty of IDSK, Ms. Mandira Sen, Publisher of Stree and Samya.

The Institute of Development studies Kolkata organized an international seminar on **Health Systems Research and Policy** on 10 December 2008. The speakers in the seminar include Professor D. Narayana and Dr. T.R. Dilip of Centre for Development Studies, Thiruvananthapuram, Dr. Srijit Mishra of Indira Gandhi Institute of Development Research, Mumbai, Dr. Jean-Frédéric Levesque of Institut National de Santé Publique du Québec and

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University of Montreal and Dr. Subrata Mukherjee of IDSK and International Health Unit, University of Montreal. The welcome address was given by Professor Achin Chakraborty of IDSK and Professor Amiya Kumar Bagchi, Director, IDSK made the concluding remarks.

B. Workshops

A workshop on 'Future of self help groups in West Bengal' was organized by the IDSK and the West Bengal Commission for Women on 11 June 2008. Participants in the workshop included representatives from different banking and financial organizations and West Bengal Commission for Women.

A workshop on 'Human development' was held between 17-21 March 2009. Teachers and students from different colleges and universities of West Bengal participated in the workshop. The speakers in the workshop included Professor Madhura Swaminathan of Indian Statistical Institute, Kolkata, Professor S. Subramanian of Madras Institute of Development Studies, Professor Ishita Mukhopadhyay of University of Calcutta, Professors Amiya Kumar Bagchi, Debdas Banerjee and Achin Chakraborty of IDSK, Dr. Manabi Majumdar of Centre for Studies in Social Sciences, Calcutta and Dr. Bhaskar Chakrabarti of Indian Institute of Management Calcutta.

C. Book Release

On 22 December 2008, Professor Asis Banerjee, former Vice-Chancellor of University of Calcutta and a student of Professor Amiya Kumar Bagchi released the book *Post-Reform Development in Asia : Essays for Amiya Kumar Bagchi* at IDSK. The first volume of the book was presented to Dr. Asim Kumar Dasgupta, Finance Minister of West Bengal. Dr. Dasgupta was also a student of Professor Bagchi. Professor Prabuddha Nath Roy, a former Pro-Vice-Chancellor of University of Calcutta was in the Chair. The collection of eleven essays by nineteen contributors has been published by Orient BlackSwan. The editors of the book are Manoj Kumar Sanyal, Mandira Sanyal and Shahina Amin. A galaxy of teachers, researchers and scholars assembled at the launch of the book to pay tribute to, as well as to express solidarity with, a senior teacher in his presence.

On 31 March 2009, Professor Sabyasachi Bhattacharya, Chairman, Indian Council of Historical Research(ICHR) released the book *Documents on Economic History of British Rule in India, 1858 -1947 : Eastern India in the Late Nineteenth Century, Part I: 1860s-1870s*, edited by Amiya Kumar Bagchi and Arun Bandopadhyay at IDSK. The publisher of the book is Manohar. Professor Bhattacharya also released the book *Railway Construction in India: Select Documents (1832-1900) : Indian Railway Acts and Rules 1849-1895, Volume IV* edited by Bhubanes Misra. The general editor of this book is Amiya Kumar Bagchi. The publisher of this book is Indian Council of Historical Research in collaboration with Anamika

publishers. Professor Binay Chaudhuri, National Professor, ICHR presided over the programme and Professor Ishrat Alam, Member Secretary, ICHR and Professor Amiya Kumar Bagchi, Director, IDSK were present on the occasion.

D. Lectures delivered by visiting scholars

On 27 March 2008, Professor Dilip M. Nachane, Director of Indira Gandhi Institute of Development Research, Mumbai gave a lecture on 'Capital account convertibility'.

On 28 May 2008, Professor Sudipta Sen, Professor of history, University of California, Davis delivered a lecture on 'Man-slaughter, medicine and law in the late eighteenth century British India'.

On 4 August 2008, Professor Gayatri Chakravorty Spivak, Avalon Foundation Professor of Humanities and the Director of the Centre for Comparative Literature and Society, Columbia University gave a talk on 'The legacy of Derrida?'

On 9 January 2009, Professor Anthony P. D' Costa, Professor of Indian Studies, Asia Research Centre, Copenhagen Business School, Denmark gave a lecture on 'The barbarians are here'.

On 28 January 2009, Professor Sir James Mirrlees, Nobel Laureate in Economics, 1996 , delivered a lecture on 'Bad markets and the current crisis: Investment and lending', organized by the Institute of Development Studies Kolkata in collaboration with British Council at Taj Bengal, Kolkata. Professor Mirrlees also met social scientists and other institutions in and around Kolkata on 2 February 2009 at the interactive session.

VI Library

The **Library**, which began functioning from December 2002, already houses an impressive number of books, journals and magazines and primary documents focusing on various development research like Education, Public Health, Economics, Sociology , Political Sciences, Gender Studies, Human Sciences and Globalization. It has a total collection of 8094 (processed) books till 23 February 2009. The library also subscribes to 30 foreign and 35 Indian journals, 413 government and 114 non-government reports. It has 88 digital documents. The library also contains the archives of Rosa Luxemburg projects which include reports, booklets, posters, pats or scroll paintings, CDs, DVDs, audio cassettes, catalogues, transparencies and fact sheets.

The Library has established network connections with DELNET, Prowess and is a member of Calcutta University's E-Journals under UGC INFONET Programme, Indiatat.com, Oxford e-bundle journals in economics. The library is using SOUL (Software for University Libraries) for its ongoing automation activities. Currently the library has entered and processed 4832 documents in SOUL.

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The Institute has been gifted with very valuable collections, that of the late Michael Sprinker, a leading radical literary theorist, Shri Gopal Krishna Gandhi, Governor of West Bengal, and also a collection of about 1900 books from Shri Parimal Dasgupta, a leading journalist. These two gifts have been designated as the **Michael Sprinker** and **Parimal Dasgupta Collections** respectively.

VII. Publications

A. Publications of IDSK

a. Occasional Papers :

- No.13 *Migration, Islam and identity strategies in KwaZulu-natal : Notes on the making of Indians and Africans* by Preben Kaarsholm, April 2008.
- No.14 *Socio economic profile of patients in Kolkata: A case study of RG Kar and AMRI* by Zakir Husain, Saswata Ghosh and Bijoya Roy, July 2008.
- No. 15 *Education for child labour in West Bengal* by Uttam Bhattacharya, October 2008.
- No.16 *What determines the success and failure of '100 days work' at the panchayat level? A study of Birbhum district in West Bengal* by Subrata Mukherjee and Saswata Ghosh, February 2009.

b. Working Paper :

- No. 3 *Representation of public health in the print media: A survey and analysis* by Swati Bhattacharjee, January 2009.

c. Special Lectures :

- No. 2 *Always Towards: Development and Nationalism in Rabindranath Tagore* by Himani Bannerji, May 2008.
- No. 3 *The Winding Road Toward Equality for Women in the United States* by Diane P. Wood, June 2008.
- No. 4 *Compassion: Human and Animal* by Martha C. Nussbaum, July 2008.

d. Report :

In Bangla

Manab Unnayaner Pothe 2: Manab Unnayane Pariseba Khetrer Karmachari Sangathaner Bhumika.

10.12 BANGIYA SAHITYA PARISHAD

243/1, Acharyya Prafulla Chandra Road

Kolkata - 700 006

President : Ramakanta Chakraborty

Secretary : Swapan Basu

Bangiya Sahitya Parishad was established in 1893. Its activities are revolved around Granthashala (2.5 lakh books and periodicals), Punthoshala (60 thousand manuscripts), Chitrashala (Museum) and Prakashana (Publication). It receives financial assistance from Higher Education Department for salary of Parishad Employees, other maintainances, organising seminars, publication of Sahitya Parishad Patrika and other publications.

Seminars

2007-2008 : Seminars

1. Bangla Natak-o-Natyamancher Nana Dik
2. Bangalir Unish Shatak Charcha
3. Bangalir Bish Shatak Charcha
4. Panchashottar Dui Banglar Sahitya-o-Samskriti
5. Bangalir Silpocharcha
6. Anchalik Itihas Charcha
7. Sampradayikatar Biruddhe Bangali : Jibane-o-Sahitye
8. 1857-er Bidroha : Parinati.

Publication of Sahitya Parishat Patrika

2007-08 : two issues

2008-09 : two issues

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Other publicatons

1. Bange Nabya Nyaya Charcha : Dineshchandra Bhattacharyya
2. Bouddhagan-o-Doha (Ed : Haraprasad Shastri)
3. Sri Krishna Kirtana (Ed : Basanta Ranjan Roy Bidwadwallava)

Research Project

1. Evolution of Durga Idol.