

**GOVERNMENT OF WEST BENGAL**  
**HIGHER EDUCATION DEPARTMENT**  
**C. S. BRANCH**  
**BIKASH BHAVAN, SALT LAKE, KOLKATA-700091**

No. 355 -Edn.(CS)/10M-37/2016

Dated, Kolkata, the 7<sup>th</sup> April, 2016

From: The Joint Secretary to the Government of West Bengal,

To: The Director of Public Instruction,  
Bikash Bhavan, 6<sup>th</sup> floor, Kolkata-700091

**Sub: Nomination for "Two Week Short Term Course in RS & GIS" and "Eight Week Certificate Course in RS and GIS".**

**Ref.No. 1600(69)/ST/O/ESst./1E-26/2004(Part-I) dated.14.03.2016 of Deptt. of Science & Technology, Govt. of West Bengal.,**

Sir,

I am directed to forward herewith a copy of the letter under reference on the subject noted above with the request to instruct all the educational institutions under your control for submission of the filled in application forms of eligible teachers in the prescribed format to the Higher Education Directorate within 18.04.2016 for taking necessary action.

I am further directed to request you to submit those filled-in applications to this department for final selection of candidates within 20.04.2016.

Encl: As stated.

Yours faithfully,

  
Joint Secretary

No.355 /1(8) -Edn.(CS)/10M-37/2016

Dated, Kolkata, the 7<sup>th</sup> April, 2016

Copy forwarded for information and necessary action to:-

1. The Vice-Chancellor, ..... (All state Universities)  
He/She is requested to send nomination of eligible teachers to this Department by 18.04.2016
2. The Principal/Teacher-in-Charge.....(All Govt./Govt. aided colleges)  
He/She is requested to send nomination of eligible teachers to the DPI by 18.04.2016
3. The Special Secretary of this Department
4. The Joint Secretary(University Branch) of this Department
5. The Joint Secretary(Appointment Branch) of this Department
6. The Joint Secretary(IT Cell) of this Department for website uploading
7. Office copy
8. Guard file

  
Joint Secretary

CS/10M-  
N/A

9

**Government of West Bengal**  
**Department of Science & Technology**  
Vigyan Chetana Bhavan  
Plot No. 26/B, Block DD, Sector - I  
Salt Lake, Kolkata - 64

No: 1600 (69)/ST/O/Estt./1E-26/2004 (Part- I)

Dt. 14.03.2016

CS/161/2016  
5.4.16

To  
The Principal Secretary,  
Higher Education Department,  
Government of West Bengal,  
Bikash Bhavan (6<sup>th</sup> floor),  
Salt Lake, Kolkata- 700 091

Sub: Nomination for 'Two Week Short Term Course in RS & GIS' and  
'Eight Week Certificate Course in RS and GIS'

Sir/ Madam,

You may be aware that the Geoinformatics and Remote Sensing Cell, Department of Science & Technology, Government of West Bengal offers 'Short Term Course in RS & GIS' (Two Week Duration) and 'Certificate Course in RS & GIS' (Eight Week Duration) for the officials/ faculties of different Government Departments / Organizations/ Colleges/ Universities.

The Certificate Course provides hands on training on the subjects like Remote Sensing, GIS, GPS technologies for the professionals of various fields working in different Government Departments/ Organizations and facilitate the faculty members from academic institutions in better quality teaching on Remote Sensing and GIS at undergraduate and post-graduate levels. The Short Term Course provides an overview of the subjects.

The 'Short Term Course in RS & GIS' will be conducted from 9<sup>th</sup> May 2016 to 20<sup>th</sup> May 2016 and

The 'Certificate Course in RS & GIS' will be conducted from 30<sup>th</sup> May 2016 to 22<sup>nd</sup> July 2016.

Any person in permanent service in a Government Department/ Organization utilizing Remote Sensing and GIS or permanent teachers of Colleges/ Universities teaching Remote Sensing and GIS with a Master's degree in any branch of Science or in Geography / Bachelor's degree in any branch of Engineering or equivalent duly nominated by his/ her employer may be considered for admission.

I am directed to request you to kindly nominate suitable candidates in order of preference from your Department/ Organization / Institution for these courses. The filled in application forms may be sent so as to reach us by 22<sup>nd</sup> April, 2016.

- Encl: i. Application Forms
- ii. Information Brochure

Yours faithfully,

*[Signature]*  
Joint Secretary to the  
Govt. of West Bengal



*[Handwritten signature]*  
Pl. place on our  
website.  
31/3/16

5

114/16

Last Date for Receipt of Filled-in Application Form: 22.04.2016

**Government of West Bengal  
Department of Science & Technology  
West Bengal State Council of Science & Technology  
Bikash Bhavan (4<sup>th</sup> Floor), Bidhan Nagar, Kolkata 700 091**

Application No.

Received on

APPLICATION FORM FOR ADMISSION

**Short Term Course in RS & GIS and Certificate Course in RS & GIS  
Summer 2016**

(9<sup>th</sup> May 2016 – 20<sup>th</sup> May 2016 and  
30<sup>th</sup> May 2016 – 22<sup>nd</sup> July 2016)

1. Name of the course Applied for \_\_\_\_\_
2. Name of the Candidate \_\_\_\_\_  
\_\_\_\_\_
3. Mobile No \_\_\_\_\_
4. E-mail Id \_\_\_\_\_
5. Name of Father/ Husband \_\_\_\_\_  
\_\_\_\_\_

Paste your  
passport size  
photograph

6. Date of Birth \_\_\_\_\_ 7. Sex: Male / Female

8. Designation: \_\_\_\_\_

9. Status of Employment: Permanent  / Temporary / Contractual

10. Name of the Organisation with Address  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

City: \_\_\_\_\_ Pin: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

11. Nature of the Organisation: Government  / Private  / PSU  / Others  (Specify)

12. Educational Qualifications (Starting from Secondary Examination)

Examination	Council/ University	Year of passing	Subjects	Percentage/ Grade

13. Give Details about:

i. Professional Experience

Sl. No.	Department/ Organisation	Designation	Pay Scale	Duration		Nature of Job
				From	To	

ii. Mathematics Background (upto what level)

iii. Knowledge of computer  
(Please mention professional qualification (if any), experience, knowledge of programming languages, software packages etc.)

iv. Previous courses on RS/GIS attended at any other organization

v. Experience of using Remote Sensing & GIS

14. In what way your participation in the course will benefit you and your organization:

15. **Declaration:** I hereby declare that all the information furnished by me in this application is true and correct to the best of my knowledge and belief. I also note that if any of the above statements are found to be incorrect or false or any information or particulars have been suppressed or omitted in the form, I shall be liable to be disqualified. If selected my admission will be liable to be cancelled without my notice or compensation in lieu of notice.

Signature of Candidate: \_\_\_\_\_ Date: \_\_\_\_\_

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**CERTIFICATE OF NOMINATION**

Certified that Mr./ Ms./Dr. \_\_\_\_\_, who is working in the organisation as \_\_\_\_\_ (designation) since \_\_\_\_\_, as a permanent / temporary / contractual employee has been officially deputed for 'Short Term course in Remote Sensing and GIS' ( 9<sup>th</sup> May 2016 to 20<sup>th</sup> May 2016) / 'Certificate Course in RS & GIS' ( 30<sup>th</sup> May 2016 to 22<sup>nd</sup> July 2016) at West Bengal State Council of Science & Technology by this Department/ College/ University. He/ she is a full time employee of this Department/ College/ University.

Place: Signature of the Nominating Authority \_\_\_\_\_

Date: Name \_\_\_\_\_

Designation \_\_\_\_\_

Department/ Organisation \_\_\_\_\_

(Office Seal)



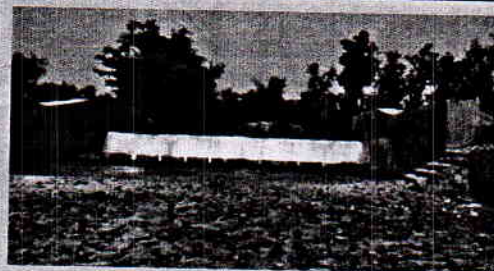
**Short Term Course in RS & GIS and  
Certificate Course in RS & GIS  
(Summer, 2016)  
Conducted By**



**Government of West Bengal  
Department of Science & Technology  
Through**



**West Bengal State Council of Science & Technology  
Bikash Bhavan (4<sup>th</sup> Floor)  
Salt Lake, Kolkata- 700 091**



Drainage and Watershed boundary map shown on satellite imagery along with field photographs

## **Importance of Geoinformatics**

In the recent years the application of Geographical Information System (GIS) with input from Remote Sensing (RS) is becoming an essential tool for planners and decision makers. The use of GIS as a tool for integrating several themes on earth surface features, apparently uncorrelated at times, to arrive at a fruitful decision or for creating a model for an would be scenario or visualize “what happens if” situation has been helping decision makers to meet a challenge in solving many problems like flood mapping, rural development, watershed modeling and management, finding drinking water resources, development of new roads in hilly terrain, disaster management, spatial environmental planning, etc.

## **Geoinformatics and Remote Sensing Cell**

Geoinformatics and Remote Sensing Cell, Department of Science & Technology (DST), Government of West Bengal has established its credential as a pioneering organization in generating RS & GIS database for spatial information in various scales for land, water resources as well as various application areas for developmental planning activities. It has also undertaken several projects at National and State level to meet the needs of the various National level and State level Stakeholders. It has an energetic group of young specialists in the field of Remote Sensing and GIS and also has a large archive of data and satellite imageries. The cell is equipped with adequate number of latest Graphics Workstations, GIS, Image Processing and Photogrammetric software as well as sophisticated GPS instruments.

## **Short Term and Certificate Courses in Remote Sensing & GIS**

It has been observed that there is a growing need of application of Remote Sensing and GIS in various fields of study. Keeping that in view Department of Science & Technology, Government of West Bengal has started offering various courses in Remote Sensing and GIS from the year 2008-09. During summer 2016 a **'Two Week Short Term course in Remote Sensing and GIS'** and a **'Eight Week Certificate Course in Remote Sensing and GIS'** will be organised. The objective of the short term course is to give an overview of the subject and demonstrate application potentials of Remote Sensing and GIS technologies. The Certificate Course is meant for hands on training on the subject. The courses will provide knowledge to the professionals of various fields working under different Government Departments/ Organizations to apply these technologies in their respective fields and to facilitate the faculty members from academic institutions to impart better quality teaching on Remote Sensing & GIS at undergraduate, post-graduate and research levels. The courses are organised through West Bengal State Council of Science & Technology.

### **Programme Schedule**

- Short Term Course (Two Weeks): 9<sup>th</sup> May 2016- 20<sup>th</sup> May, 2016.
- Certificate Course (Eight weeks): 30<sup>th</sup> May 2016 – 22<sup>nd</sup> July 2016.

## **Course Content**

1. Principles of Remote Sensing, Digital Image Processing and Global Positioning System
2. Principles of Geographic Information System (GIS)
3. Introduction to various application areas of Geoinformatics
4. Practicals on Remote Sensing, Digital Image Processing and Global Positioning System
5. Practicals on Geographic Information System (GIS)
6. Practicals on Applications of Geoinformatics (including case studies of various fields)

## **Course Fee**

Nil

## **Admission procedure**

1. A person in permanent service in a Government Department/ Organization utilizing Remote Sensing and GIS or full time teachers from Government Sponsored College/ University teaching Remote Sensing and GIS with a Master's degree in any branch of Science or in Geography / Bachelor's degree in any branch of Engineering or equivalent duly nominated by his/ her employer may be generally considered for admission.
2. The selection will be made on the basis of merit depending on qualification and experience or by any other criteria fixed by the Academic Committee before the selection.
3. Advertisement for admission into these courses will be made through two Daily Newspapers .
4. Application Form for the Short Term Course and Certificate Course may be collected from Geoinformatics and Remote Sensing Cell, Department of Science & Technology, Government of West Bengal, Bikash Bhavan (4<sup>th</sup> Floor), Salt Lake, Kolkata - 700091 from 16<sup>th</sup> March 2016 to 22<sup>nd</sup> April 2016, between 11:30 AM to 4:00 PM. Photocopy of the application form may also be used.
5. Copy of the advertisement, information brochure and application form may be downloaded from [www.banglarmukh.gov.in](http://www.banglarmukh.gov.in), [www.dstwb-council.gov.in](http://www.dstwb-council.gov.in) websites.
6. Last date of submission of filled in application form duly forwarded by the nominating authority along with attested photocopies of all the supporting testimonials is 22<sup>nd</sup> April, 2016 ( by 4 pm).
7. Candidates from waiting list may be called for filling vacant seats (if any).
8. In all cases the decision of the Academic Committee will be final.
9. In case of large number of applications, effort will be made to accommodate at least one participant from every organization. Nominating organizations are requested to nominate persons in order of preference if more than one person is nominated.
10. Applicants are requested to follow departmental website ([www.dstwb-council.gov.in](http://www.dstwb-council.gov.in)) regarding selection after 2<sup>nd</sup> May, 2016.
11. No accommodation will be arranged by the DST, Govt. West Bengal for the participants.
12. No TA/DA will be provided to the participants for attending the course.



## **Sessions & Classes**

1. The Short Term Course will be conducted from 9<sup>th</sup> May 2016 to 20<sup>th</sup> May 2016 and the Certificate Course will be conducted from 30<sup>th</sup> May to 22<sup>nd</sup> July 2016.
2. There will be three theoretical classes of fifty minutes duration and one practical class of three hours duration every day from Monday to Friday excepting Government Holidays.
3. The classes will commence from 11 AM and will continue up to 5 PM.
4. On successful completion of the course, the participants will be awarded certificates.

*The filled in application form may be sent to:*

**The Co-ordinator or the Co-coordinator,  
Training Programmes in RS & GIS  
Department of Science & Technology  
Government of West Bengal  
Bikash Bhavan (4th Floor),  
Salt Lake, Kolkata 700 091**

Tel: (033) 2569 3736/ 3722/ 3732

Fax: (033) 2321 7220/ 2334 2969

Website: [www.dstwb-council.gov.in](http://www.dstwb-council.gov.in)

Note: Notwithstanding anything expressed in the Advertisement, Information Brochure or in the Application Form, the decision of the Academic Committee on all matters of admission will be treated as final.