Government of West Bengal
Department of Higher Education,
Science and Technology and Biotechnology
Bikash Bhavan (4th Floor), Salt Lake, Kolkata-700 091

ADMISSION TO
SHORT TERM COURSE IN RS & GIS

Applications are invited from Government Servants/ Government Sponsored College/ University Faculties duly nominated by his/ her employer for admission to 'Short Term Course in RS & GIS' (Two Week) to be organised from 12th March, 2018 to 23rd March, 2018

Distribution/ Receiving of Application Form: 18th December 2018 to 16th February, 2018 between 11:30 AM to 4:00 PM

Eligibility, Minimum Qualifications and other details are available at www.dstwb-council.gov.in, www.wbhed.gov.in, www.wb.gov.in

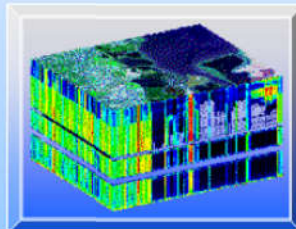# Short Term Course in Remote Sensing & GIS
Conducted By

Government of West Bengal
Department of Higher Education, Science and Technology and Biotechnology
Through

West Bengal State Council of Science & Technology
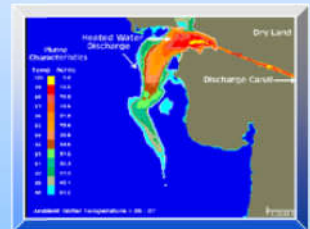### Bikash Bhavan (4th Floor)
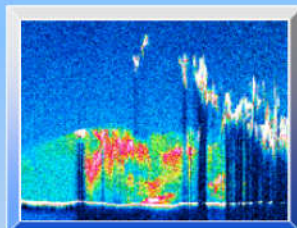### Salt Lake, Kolkata- 700 091
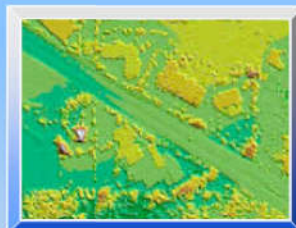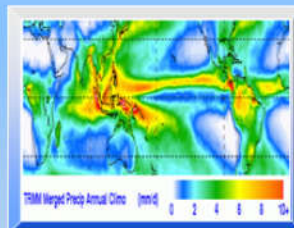

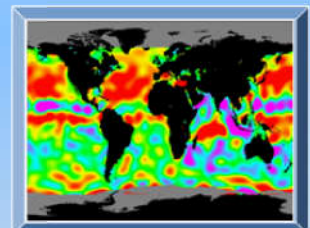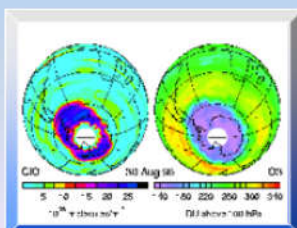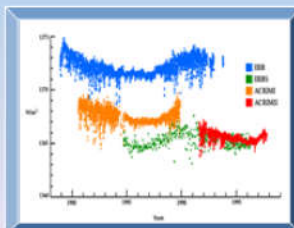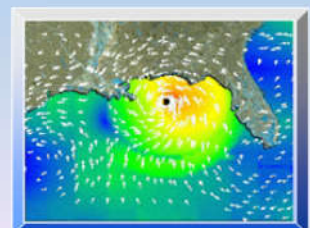Multispectral · Hyperspectral · RADAR / SAR · Thermal · Atmospheric LIDAR · Surface LIDAR · Passive Microwave · RADAR Altimetry · Limb Sounding · Microwave Ranging · Irradiance/Photometry · Scatterometry

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 Higher Education, Science and Technology and Biotechnology (DHESTBT), 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 Higher Education, Science and Technology and Biotechnology, Government of West Bengal has started offering various courses in Remote Sensing and GIS from the year 2008-09. During march 2018 a **' Short Term 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 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: 12th March 2018 – 23rd March, 2018.

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 may be collected from Geoinformatics and Remote Sensing Cell, Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, Bikash Bhavan (4th Floor), Salt Lake, Kolkata - 700091 from 18th December 2017 to 16th February, 2018 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.wb.gov.in, www.wbhed.gov.in & 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 16thFebruary, 2018 (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) regarding selection after 7th March, 2018.

11. No accommodation will be arranged by the DHESTBT, 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 12th March 2018 to 23rd March 2018

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 Higher Education, Science and Technology
and Biotechnology
Government of West Bengal
Bikash Bhavan (4th Floor),
Salt Lake, Kolkata 700 091

Tel: (033) 2569 3705/ 3711/ 3720
Fax: (033) 2321 7220/ 2334 2969
Websites: www.dstwb-council.gov.in, www.wbhed.gov.in, www.wb.gov.in websites

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.

Government of West Bengal
Department of Higher Education, Science and Technology and Biotechnology
Geoinformatics and Remote Sensing Cell
Bikash Bhavan (4ᵗʰ Floor), Bidhan Nagar, Kolkata 700 091

Application No.
Received on

APPLICATION FORM FOR ADMISSION

Short Term Course in RS & GIS
(12ᵗʰ March 2018 – 23ʳᵈ March 2018)

1. Name of the Candidate _____

_____

Paste your passport size photograph

2. Mobile No _____

3. E-mail Id _____

4. Name of Father/ Husband _____

_____

5. Date of Birth _____   6. Sex: Male / Female

7. Designation: _____

8. Status of Employment: Permanent ☐ Contractual ☐ Part-time ☐

9. Name of the Organisation with Address _____

_____

_____

City: _____   Pin: _____

Phone: _____

Fax: _____

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

11. Educational Qualifications (Starting from Secondary Examination)

Examination	Council/ University	Year of passing	Subjects	Percentage/ Grade

12. 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

13. What is your expectation from this Course and in what way your participation in the course will benefit you and your organization:

14. **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: _____

_____

CERTIFICATE OF NOMINATION

Certified that Mr./ Ms./Dr. _____, who is

working in the organisation as _____

(designation) since _____, as a permanent / temporary / contractual

employee (please strike off which is not applicable)   has been officially nominated for attending' Short

Term Course in RS & GIS (two week)' at Geoinformatics and Remote Sensing Cell from 12th to 23rd

March, 2018 by this Department/ College/ University. He/ she is a full time/ Contractual/ Part-time

employee (please strike off which is not applicable) of this Department/ Organisation/College/

University.

Place: Signature of the Nominating Authority _____

Date: Name _____

                              Designation_____

                              Department/ Organisation _____

                                                      (Office Seal)