

Government of West Bengal
Department of Science and Technology and Biotechnology
Geoinformatics and Remote Sensing Cell

Eight Week Certificate Course in Remote Sensing & GIS

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 and Technology and Biotechnology (DSTBT), 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 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.

Eight Week Certificate Course 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 and Technology and Biotechnology, Government of West Bengal has started offering various courses in Remote Sensing and GIS from the year 2008-09.

Expected Outcome

The Certificate Course is meant for hands on training on the subject. The course 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

Duration: Eight Week (full time): Kindly follow the website to know the schedule of the next course

Overview of Course

1. Principles of Remote Sensing
2. Principles of Geographic Information System (GIS)
3. Applications of Geoinformatics
4. Principles of Digital Image Processing
5. Basics of Global Positioning System
6. Remote Sensing Lab
7. GIS & Cartography Lab
8. Image Processing Lab
9. Global Positioning System (GPS) Lab
10. Applications of Geoinformatics Lab

Course Fee

NIL

Sessions

Please follow the website.

Classes

1. 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.
2. The classes will commence from 11 AM and will continue up to 5 PM.
3. On successful completion of the course, the participants will be awarded certificates.

Who can apply?

A person employed 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.

Admission procedure

1. 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.
2. 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. In all cases the decision of the Authority of the Department will be final.
3. Applicants are requested to follow departmental website (www.wbdstbt.in) regarding selection.
4. No accommodation will be arranged by the DSTBT, Govt. West Bengal for the participants.
5. No TA/DA will be provided to the participants for attending the course.
6. Competent authority may relax the qualification criteria for otherwise deserving candidates.
7. Applicants are requested to confirm their selection for the course through email/website notification before attending the course.

How to apply?

1. The applicant is requested to visit the website www.vigyansathi.in and register himself/herself with the necessary details. The details like names, contact details etc. furnished should be carefully entered as it will be used for further processing and cannot be modified.
2. Once the registration is done, the applicant needs to fill up an online application form for admission to the course. To complete the submission kindly keep the following handy:
 - A single PDF file containing the duly signed scanned copy of Declaration form (Annexure I), the duly signed scanned copy of the Certificate of Nomination (Annexure II) and all the self attested testimonials (mark sheets, certificates).
 - A color passport size digital photograph.

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

Annexure I

Declaration by the Candidate

Declaration: I hereby declare that all the information furnished by me in the online application form are 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 found to be suppressed or omitted in the form, I shall be liable to be disqualified. If selected, my admission is liable for cancellation without my notice or compensation in lieu of notice. I also note that submission of Application form with Nomination Certificate does not ensure selection for the Course. I also declare that I will report for the Course only after receiving official communication from the Course Coordinator.

Date: _____

Signature of the Candidate

Annexure II

CERTIFICATE OF NOMINATION

(to be filled, signed and uploaded in the portal at the time of on-line application)

No.

Date:

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

working in this organization as

_____ (designation) since _____

has been officially nominated for attending '**Eight Week Certificate Course in Remote Sensing & GIS**' at Geoinformatics and Remote Sensing Cell, Department of Science & Technology and Biotechnology, Government of West Bengal from 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/ Organization/College/ University.

Place:

Date:

Signature of the Nominating Authority _____

Name _____

Designation _____

Department/ Organisation _____

E-mail id _____

Telephone No. _____

(Office Seal)