

Government of West Bengal
Department of Science and Technology and Biotechnology
Geoinformatics and Remote Sensing Cell
Bikash Bhavan (4th Floor), Salt Lake, Kolkata-700 091

Admission to
Advanced Course in Geoinformatics

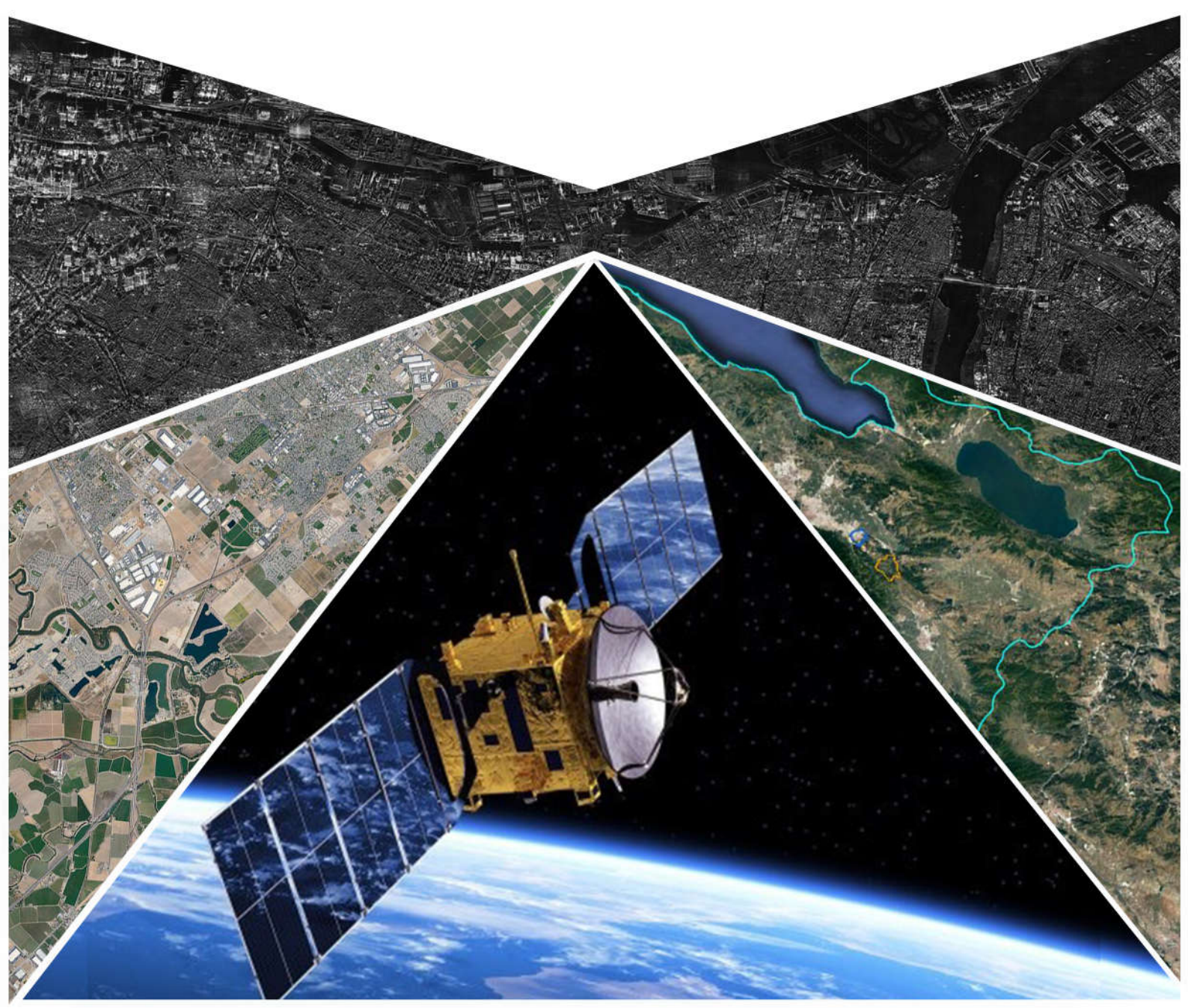
Applications are invited from Government Servants/ Government Sponsored College/ University Faculties duly nominated by his/ her employer for admission to 'Advanced Course in Geoinformatics, to be organised from 3rd October, 2023 to 9th October, 2023. Last date of receiving Application Form 15th September, 2023. A copy of the application is to be sent through email (wbscst.rstrg@gmail.com). In addition to softcopy, the application form along with the testimonials to be sent in the above address. Eligibility, Minimum Qualifications and other details are available at Departmental website dstbt.bangla.gov.in



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Advanced Course in Geoinformatics
3rd - 9th October, 2023



1. Importance of Geoinformatics

In recent years, the application of Geographic Information System (GIS) with inputs from Remote Sensing (RS) has become an essential tool for planners and decision-makers. The use of GIS for integration and modelling of multiple themes, apparently uncorrelated at times, has been helping decision makers for visualization of information in newer perspectives and addressing the challenges in smart agriculture, flood mapping, rural development, urban planning, watershed modelling and management, drainage planning, identifying drinking water resources, development of roads in hilly terrain, disaster management etc.

2. Geoinformatics and Remote Sensing Cell

The Geoinformatics and Remote Sensing Cell of the Department of Science and Technology and Biotechnology, GoWB has established its credential as a pioneering organization in generating Remote Sensing and GIS-based datasets for sharing, collaboration, location-based analytics and creating decision support systems for different organizations at the National and State levels.

Over the period of 30 years, it has generated voluminous geospatial datasets on land use/land cover, forest areas, water resources, disaster management, drainage system, transportation network, health management, climate change impact etc integrated with ancillary information, meteorological data and other socio-economic data to usher potential inputs in informed decision making for developmental planning of different line Departments.

3. Objective of the Short-term Courses

For effective and efficient use of the geospatial data/information at various stages of developmental planning towards sustainable development and inclusive growth, the planners & decision-makers need to have a proper understanding of the different aspects/implications of these technologies.

To that end, the Department of Science and Technology and Biotechnology, GoWB has been organizing orientation programs/training in Geoinformatics for in-service Govt. employees since 2008 and to date, 26 no.s Courses have been organized by which various Departments have benefitted and a geospatial ecosystem has developed for implementation of the various projects based on critical information resource and location data towards achieving the desired goal in all sectors.

4. Advanced Course in Geoinformatics

As a part of this continuum, the Department of Science and Technology and Biotechnology, GoWB will organize an ‘**Advanced Course in Geoinformatics**’ in **October, 2023**. The objective of the course is to acquaint the trainees with the use of algorithms and mathematical models to analyze digital images and enhance the quality and extraction of the information from the images.

Besides the theoretical classes, there will be practical classes to demonstrate its application potential.

Note: The Course is meant for in-service Govt. employees / faculties having basic knowledge of Remote Sensing and GIS.

5. Duration of the Course

3rd October 2023 – 9th October, 2023.

6. Course Content

- I. Basic Concepts of Digital Image Processing and Image Classification
- II. Basics of Photogrammetry
- III. Drone Image Processing
- IV. SAR Image Processing
- V. Introduction to Google Earth Engine

7. Course Fee

Nil

8. Total no. of Seats

20 no.s

9. Eligibility Criteria

- I. A permanent/temporary/contractual employee of any Department of the State Govt./ Undertaking/Parastatal/ Statutory Body

or

Faculty of any Govt. / Govt. Sponsored College/Training Institute/ University having -

- a. Master's degree in any branch of Science or Geography / Bachelor's degree in any branch of Engineering or equivalent,

- b. Basic knowledge of RS and GIS technologies,
duly nominated by his/ her head of the Organisation will be considered for participation.
- II. If the no. of applications surpasses the availability of the seats, then an initiative will be taken to accommodate at least one candidate from each Organisation selected from the top of the list.
- III. In all cases, the decision of the competent authority of this Department will be final.
- IV. The list of the selected candidates will be uploaded on the Departmental website **dstbt.bangla.gov.in**. Applicants are requested to follow the Departmental website after 25th September, 2023 onwards.

10. *Application Procedure*

- I. The intending applicants are to download the Information Brochure and Application Form from the departmental website **dstbt.bangla.gov.in** and submit the filled-in Application Form with all requisite testimonials to this end through e-mail wbscst.rstrg@gmail.com with the recommendation of their Head of the Department/Organization within the stipulated period.
- II. Besides the soft copy, the hard copy of the Application Form along with the testimonials is to be sent to this end within the last date for submission of the application.
- III. All applications are to be centrally forwarded by the Head of the Organization with the list prepared in order of preference.

11. *Other Stipulations*

- I. No accommodation will be arranged by the DSTBT, Govt. West Bengal for the outstation candidates.
- II. No TA/DA will be provided to the participants for attending the course.

12. *Sessions & Classes*

- I. The Course will be conducted from 3rd October 2023 to 9th October 2023.
- II. The classes will commence at 11:00 AM and will continue up to 5:00 PM every day.
- III. On successful completion of the course, the participants will be awarded Certificates.

Last date of receipt of filled-in Application Form duly forwarded by the nominating authority in hard copy as well as soft copy: 15th September, 2023.

Last Date for Receipt of Filled-in Application Form: 15.09.2023

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Application No.
Received on

APPLICATION FORM FOR ADMISSION

Advanced Course in Geoinformatics

(3rd – 9th October, 2023)

1. Name of the Candidate _____

2. Mobile No _____
3. E-mail Id _____
4. Name of Father/ Husband _____

Paste your passport size photograph

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

7. Designation: _____

8. Status of Employment: Permanent Contractual Part-time

9. Name of the Organization with Address _____

City: _____ Pin: _____

Phone: _____

Fax: _____

10. Nature of the Organization: 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 organization as _____ (designation) since _____, as a permanent / temporary / contractual employee (please strike off which is not applicable) has been officially nominated for attending the ‘Advanced Course in Geoinformatics, from 3rd to 9th October, 2023 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: Signature of the Nominating Authority _____

Date: Name _____

Designation _____

Department/ Organisation _____

E-mail id _____

(Office Seal)