

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

One Week Advanced Course on Image Processing and Machine Learning

Applications are invited from Government Servants/ Government Sponsored College/ University Faculties duly nominated by his/ her employer for admission to 'One Week Advanced Course on Image Processing and Machine Learning' to be organised from 23rd September, 2019 to 27th September, 2019. Distribution/ Receiving of Application Form: upto 11th September, 2019 between 11:30 AM to 4:00 PM

Eligibility, Minimum Qualifications and other details are available at www.wb.gov.in & www.wbdstbt.in



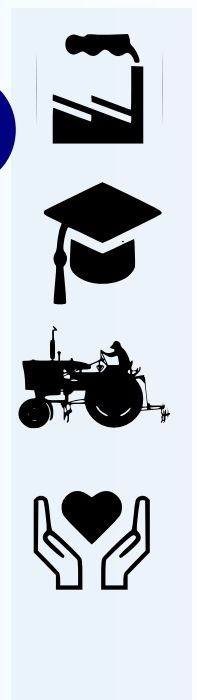
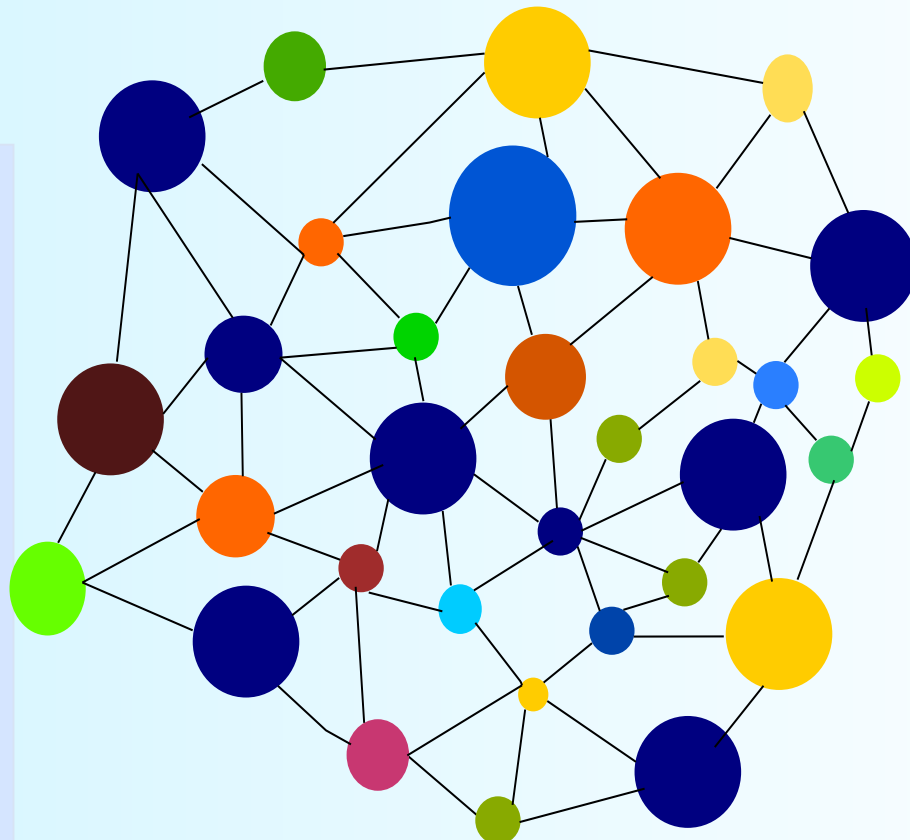
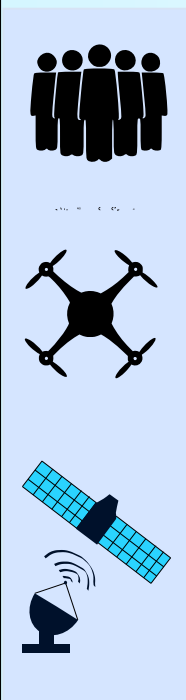
Government of West Bengal
Geoinformatics and Remote Sensing Cell
West Bengal State Council of Science & Technology
Department of Science and Technology and
Biotechnology

Bikash Bhavan (4th Floor), Salt Lake, Kolkata-700091

Organizes

Advanced Course on Image Processing and Machine Learning

23rd - 27th September 2019



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 and Technology and Biotechnology, 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.

Advanced Course on Image Processing and Machine Learning

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 and Biotechnology, Government of West Bengal has started offering various courses in Remote Sensing and GIS from the year 2008-09. During September 2019 an ‘**Advanced Course on Image Processing and Machine Learning**’ will be organized. The objective of the course is to give an overview of Image Processing and Machine Learning and demonstrate their application potential. The Course is meant for Participants with knowledge of Remote Sensing and GIS. 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

23rd September, 2019 - 27th September, 2019.

Course Content

1. Advanced Image Processing
2. Introduction to Machine Learning
3. Applications of Machine Learning in Image Processing

Course Fee

Rs. 2000/- for Officers of parastatals, Govt.-Owned Companies, Universities, Colleges, Academic Institutions. Group 'A' Officers of Govt. of West Bengal, no Course fee.

Admission procedure

1. A person in 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. However, preference will be given to the full time and permanent employees/ faculties.
2. Application are invited from Candidates with basic knowledge of Remote Sensing and GIS.
3. 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.
4. Advertisement for admission into these courses will be made through two Daily Newspapers.
5. Application Form for the Advanced Course on Image Processing and Machine Learning may be collected from Geoinformatics and Remote Sensing Cell, Department of Science and Technology and Biotechnology, Government of West Bengal, Bikash Bhavan (4th Floor), Salt Lake, Kolkata - 700091 up to 11th September 2019, between 11:30 AM to 4:00 PM. Photocopy of the application form may also be used.
6. Copy of the advertisement, information brochure and application form may be downloaded from, www.wbdstbt.in & www.wb.gov.in websites.
7. Last date of submission of filled in application form duly forwarded by the nominating authority along with self attested photocopies of all the supporting testimonials is 11th September, 2019 (by 4 pm).
8. Candidates from waiting list may be called for filling vacant seats (if any).
9. In all cases the decision of the competent authority of this Department will be final.
10. 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.
11. Applicants are requested to follow departmental website www.wbdstbt.in regarding selection after 13th September, 2019.
12. No accommodation will be arranged by the DSTBT, Govt. West Bengal for the participants.
13. No TA/DA will be provided to the participants for attending the course.

Sessions & Classes

1. The Course will be conducted from 23rd September 2019 to 27th September 2019
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.

The filled in application form may be sent to:

**The Co-ordinator
Training Programmes in Geoinformatics
Department Science and Technology and Biotechnology
Government of West Bengal
Bikash Bhavan (4th Floor),
Salt Lake, Kolkata 700 091**

Tel: 033- 2569 3705/ 3720/ 3711/3722

Websites: www.wbdstbt.in & www.wb.gov.in websites

**Softcopy and Hardcopy of the application must be sent within 11.09.2019.
Softcopy of the application must be sent to wbscst.rstrg@gmail.com**

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

Last Date for Receipt of Filled-in Application Form: 11.09.2017

**Government of West Bengal
Department of 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

**Advanced Course on Image Processing and Machine Learning
(23rd September 2019 – 27th September 2019)**

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 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 'Advance Course on Image Processing and Machine Learning' at Geoinformatics and Remote Sensing Cell from 23rd September to 27th September, 2019 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)