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

Post Graduate Diploma in Geoinformatics

(Affiliated to West Bengal University of Technology)

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

Applications are invited from Indian nationals for admission to One Year PG Diploma in Geoinformatics course (2012-13) from students with a Masters Degree in branches as stated in the brochure. Course covers use of state-of-the-art technologies in application fields of Remote Sensing, GIS and GPS.

Information Brochure along with Application Form may be collected from above address from 21st May 2012 to 18th June 2012 on payment of Rs. 300/- by cash. Last date of receipt of filled in Application Form is 19th June 2012. Admission will be made on the basis of Admission Test, Interview as well as Academic Record. The course will commence from 1st August 2012. Reservation will be as per rule.

Details including eligibility criteria as stated in the brochure are given in www.banglarmukh.com

For any query, contact the Course Coordinator: Phone (033) 2569 3722, 2569 3736, 2569 3722

If Application Form downloaded from banglarmukh.com is used a DD of Rs. 300/- in favour of the Member Secretary, WBSCST may be enclosed during submission of the filled in Application Form.

PG Diploma in Geoinformatics (2012-13): Information Brochure

Importance of Geoinformatics

In 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, 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 etc.

About WBSCST

The West Bengal State Council of Science & Technology (WBSCST), Department of Science & Technology (DST), Government of West Bengal has established its credential as a pioneer organization in generating RS & GIS database for spatial information in various scales for land, water resources as well as various applications for developmental planning activities. The Council/ Department have 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 GIS and Remote Sensing and also has a large archive of data and satellite imageries.

Opportunities

With the near future implementation of Spatial Data Infrastructure at National level (NSDI) and State level (SSDI) with District level (DSDI) and Block level (BSDI) supporting the SSDI at lower levels, there is a growing need to have trained manpower to deal with the GIS and spatial data collection, assimilation and analysis. Besides many Industries, Government and private organizations are recruiting persons with knowledge in Geoinformatics, remote Sensing and GIS. Geoinformatics & RS Cell, WBSCST, DST, Govt. of West Bengal implements number of projects on RS&GIS. PG Diploma in Geoinformatics is a desirable qualification for recruitment of project scientists for these projects.

About Course

Keeping this in view, WBSCST, DST is offering **one year PG Diploma course in Geoinformatics from 1st August 2012.** The total number of seats in the course is 12. **The Diploma Course is affiliated to West Bengal University of Technology (WBUT).** Course covers use of state-of-the-art technologies in application fields of Remote Sensing, GIS and GPS. Students will be provided intensive hands on training on ArcGIS, ERDAS Imagine, Geomatica, ENVI and TNT MIPS software together with DGPS and Digital Photogrammetry using LPS etc.

Course Content (Duration 1 year)

First Semester (4 months)

1. Principles of Remote Sensing
2. Principles of Geographic Information Systems (GIS)
3. Cartography & Digital Mapping
4. Basics of Global Positioning System (GPS)
5. Fundamentals of Calculus, Vectors, Matrices & Statistics
6. Remote Sensing Lab
7. GIS Lab
8. Cartography Lab
9. GPS Lab
10. Programming Lab

Second Semester (4 months)

11. Spatial Database, Analysis and Modeling
12. Spatial Database, Analysis and Modeling
13. Geoinformatics in Disaster Management
14. Applications of Geoinformatics
15. Geoinformatics in Water Resources Management
Or
Geoinformatics in Resource Management
Or
Mission Projects in India – an overview
16. Database Analysis Lab
17. Digital Image Processing
18. Disaster Management
19. Disaster Management Lab
20. Water resources Management Lab
Or
Resource Management Lab

Third Semester (4 months)

21. Project Work

Course Fee

Each Semester will carry a course fee of Rs. 15,000/- and the total course fee for the three Semesters is Rs. 45,000/-

Admission procedure

1. Students with a Master's degree from a recognized university in Physics, Mathematics, Geology, Geophysics, Geography, Agriculture, Atmospheric Science, RS&GIS, Environmental Science, Bachelor's degree from a recognized university in Civil Engineering, Computer Science, Information Technology or equivalent will be considered for admission into the one year PG Diploma course in Geoinformatics.
2. A student should secure at least a minimum of 55% (50% for SC/ST) marks in the Master's level or in the Bachelor's degree in engineering and with at least two first classes/ divisions or 60% (55% for SC/ST) in the master's/ pre-master's level of examinations.
3. The selection will be made on the basis of weightage of marks on admission test (60%), Academic Background (20%) and Interview (20%).
4. Advertisement for admission into this course will be made through Daily News papers (two nos.) and in the Government of West Bengal website 'banglarmukh.com'.
5. Information Brochure along with application form may be collected from Geoinformatics and Remote Sensing Cell, West Bengal State Council of Science & Technology, Bikash Bhavan (4th Floor), Salt Lake, Kolkata- 700 091 on payment of Rs. 300/- by Cash or through Demand Draft in favour of Member Secretary, West Bengal State Council of Science & Technology, payable at Kolkata. If Application Form downloaded from banglarmukh.com is used a DD of Rs. 300/- in favour of the Member Secretary, West Bengal State Council of Science & Technology payable at Kolkata to be enclosed during submission of the filled in Application Form.
6. **Candidates appearing in the qualifying examination in 2012 may also apply.**
7. **Admission will be made provisional for candidates appearing in the final examination in the year of admission.** In case the qualifying examination mark sheet is not submitted by the month of September of the ongoing academic session, or the candidate fails to secure the qualifying marks for the admission, the admission will be cancelled without any refund of fees.
8. A person in professional service nominated by the Government employer or working as a faculty in a Government/ Government Sponsored College/ University may also be considered for admission into this course. Two seats are kept provisionally reserved for such candidates. Candidates sponsored by Govt. Departments/ College-Universities need not appear in the admission test.
9. Reservations of seats (for SC/ST etc.) as per rule.
10. In all cases the decision of the Admission Committee will be final.

Sessions & Classes (Duration 1 year)

I. The academic session will start from 1st August, 2012 or as intimated in the letter of admission to be issued to the selected applicants and is likely to be over by July, 2013.
II. The theory classes will be tentatively from 11.00 AM to 1.30 PM and the lab classes will be held from 2.00 PM to 4.30 PM.

Important Dates

Distribution of forms: (11AM to 4 PM)	21st May, 2012 to 18th June, 2012
Last Date of receipt of filled in Application Form:	19th June, 2012 by 4:00 PM
Admission Test:	2nd July, 2012
Publication of Short listed candidates for Interview (in Notice Board):	9th July, 2012
Interview	12th July, 2012
Publication of Result (in Notice Board)	19th July, 2012
Admission:	23rd July, 2012
Admission from Waiting List:	26th July, 2012
Commencement of Classes:	1st August, 2012

The filled in application form must reach the following address on or before 19th June, 2012:

The Course Coordinator,
PG Diploma in Geoinformatics
West Bengal State Council of Science & Technology,
Department of Science & Technology,
Government of West Bengal,
Bikash Bhavan (4th Floor), Salt Lake, Kolkata 700 091

For any query, contact the Course Coordinator/ Co-coordinator: Phone (033) 2569 3722, 2569 3736, 2569 3732

NOTE

Enclose attested photocopies of mark sheets of Class X, Class XII, Graduation, Post-Graduation (if available) or the last examination completed. Originals are to be produced at the time of joining. Application form completed in all respects should be submitted before the last date of submission of forms as specified. Notwithstanding anything expressed in this Brochure or in application form, the decision of the Admission Committee on all matters of admission will be treated as final.

Last date for receipt of filled in application form: 19.06.2012

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

Form No.
Received on

APPLICATION FORM FOR ADMISSION

Session: 2012-2013

Application for P.G. Diploma in Geoinformatics

1. Name of the Candidate

2. Name of Father/Mother/Guardian:

3. Date of Birth

4. Gender: Male Female

5. Caste: General/SC/ST/OBC

6. Educational Qualifications

Examination	Council/ University	Year of passing	Subjects	Percentage/ Grade@

@ Mention conversion factor, if any

7. Give details about Mathematics background: (Mention up to what level)

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

9. Why are you interested in this course? (within 50 words)

10. Details of Application fees paid: D/D No._____ Bank _____ Dated: _____

11. Address for communication

Name: _____

Address _____

_____

City: _____ Pin: _____ State: _____

Phone: _____ Email: _____

Paste your passport size photograph and sign across it (do not sign across the face)

13. Declaration: I hereby declare that all the information given 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 there from, I am liable to be disqualified. In the event of information being found incorrect or misleading, my candidature shall be liable to cancellation at any time and I shall not be entitled to get refund of any fee paid by me. I hereby permit / do not permit (delete one) the Council to use, display or transfer any of the details furnished by me in this form for any other purpose, except for complying with the admission formalities.

Signature of Candidate: _____ Date: _____ Place : _____

14. Undertaking by the Candidate:
I will comply with the Council's rules, standards and instructions for student behaviour as notified from time to time. I hereby waive and release all claims against the Council representatives at a time when I am not under the direct supervision of the Council or its representatives or arising out of my failure to remain under such supervision or to comply with such rules, standards and instructions, and I agree to indemnify the Council and its representatives against any consequences thereof. I agree that the Council shall have the right to enforce appropriate standards of conduct and that it may at any time terminate my participation in the Council's programme for failure to maintain these standards or for any actions or conduct which the Council considers to be incompatible with the interest, harmony, comfort and welfare of other students. All reference herein to the parents of the applicant shall include the legal guardian or other adult responsible for the applicant. I agree that in case of any legal dispute concerning admission procedures, the same shall be subject to exclusive jurisdiction of Courts at Kolkata, This agreement shall take effect from the time I am accepted by and confirmed in enrollment in the Course.

Signature of Candidate: _____ Date: _____ Place : _____

15. Declaration by the Parent /Guardian:
I certify that I am the parent or legal guardian of the above applicant and that I have read the foregoing agreement. I hereby guarantee to the Council payment of all fees and other sums due at any time to the Council by the applicant. I agree that in case of any legal dispute concerning admission procedures, the same shall be subject to exclusive Jurisdiction of Courts at Kolkata.

Signature of Parent/ Legal Guardian: _____ Date:_____ Place:_____

Occupation of Signatory: _____ Relationship with the candidate:_____

Place: _____ Date: _____

Notwithstanding anything expressed in the Brochure or in application form, the decision of the admission committee on all matters of admission will be treated as final.

----------FOR OFFICE USE----------

ANNEXURE – I

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

CERTIFICATE OF SPONSORSHIP
(To be filled in by Sponsored Candidates only)

Certified that Dr./ Shri/ Smt./Kum. _____

_____ (designation) has been officially Deputed for the one year PG Diploma course in Geoinformatics at the Geoinformatics & Remote Sensing Cell, West Bengal State Council of Science & Technology, Department of Science & Technology, Government of West Bengal, Bikash Bhavan, Salt Lake, Kolkata – 700 091 scheduled during _____ by

_____ which is a Central Government/ State
(Name of the sponsoring organization)

Government/ Academic Institute/ Autonomous Organisation/ Any other (pl. specify)

The Account Payee Demand Draft bearing No._____ dated _____ for Rs. _____, towards the fee for the regular One Year course, drawn in favour of "**Member Secretary, West Bengal State Council of Science & Technology"** payable at **"Kolkata"**, is enclosed.

Signature of sponsoring authority : Date :

Name : Place :

Designation :

Official Seal :

Note: Self-sponsored employed persons have to submit a letter from his/ her employer that he/she has been allowed to attend the course.