



**G.B. Pant National Institute of Himalayan Environment & Sustainable Development  
Kosi-Katarmal, Almora-263643**

**Certificate course (Green Skill Building Programme)**

**on**

**Environmental Monitoring using Remote Sensing and GIS**

***(Course duration: 94 hrs)***

Applications are invited for the certificate course funded under “*Green Skill Building Programme*” (GSBP) with following details:

**Title of the Course:** Environmental Monitoring using Remote Sensing and GIS

**Background:** Indian Himalayan region (IHR) is known for its sensitive ecosystem. It is therefore important to understand the environmental processes and its interactions that affect the ecosystem. Environmental processes in nature are controlled through interactions of various components such as air, water, climatic parameters, Land Use Land Cover of the region, cryosphere, soil, and other natural resources. But due to undulating terrain, limited infrastructure, higher altitude and extreme survival conditions in IHR, it may not be possible to study these parameters for pan Himalayas through in situ observation. However, using the various remote sensing techniques, it is possible to study these parameters with high precision. Moreover, GIS technology provide the means through different platforms to present, analyze and model (future predictions and scenario building) the information for much better understanding by the policy makers and the stakeholders in informed decision making. Also, using the GIS modelling the interaction of two or more parameters among each other may be assessed to study their impact on the environment as a whole. This program is designed for the participants seeking in depth knowledge of the application of GIS & Remote Sensing in the discipline of environmental science. It is expected that the participants would acquire the skills that will help them in their career building and will also motivate them towards the research in the environment sector. Candidates after successfully completing the training program will receive the certificate from the Institute.

**Course duration:** Likely to be held in the month of March, 2020 (94 hrs). It will be intimated separately to selected candidates.

**Eligibility:** B.Sc./B.Tech (passed), M.Sc./M.Tech (passed/pursuing)

(Preference will be given to students having degree in Remote Sensing, GIS, Geography, Meteorology, Computer Science/Information Technology, Environmental Science, Geology and Earth Science)

**Age limit:** 28 years as on 28<sup>th</sup> **January 2020** (Relaxation to Reserved categories as per GOI rules)

**How to apply:** Interested candidates must apply on the prescribed application format attached with this advertisement. Duly completed application form along with candidate's resume must be mailed to the email id [gsdp.clwrm@gmail.com](mailto:gsdp.clwrm@gmail.com) so as to reach latest by 28<sup>th</sup> **January 2020 (till 2.00 PM)**. Hard copy of the same may be submitted to the office of the Course Coordinator by hand/speed post/registered post by **5<sup>th</sup> February, 2020**.

**Note:**

1. On the basis of merit 15 candidates will be shortlisted to attend the training course.
2. This is a purely residential programme. Hence, the boarding and lodging facility will be borne by the Institute.
3. Participants are requested to carry their laptops with installed ArcGIS 10.2 or later version; Erdas Imagine 2014 or later version. Open source software or trial software would be provided, if required.
4. TA will be reimbursed to trainees for attending the course as per the rules restricted to 3<sup>rd</sup> AC rail fare.

Passport  
Size  
Photograph

## Application Format

Certificate course (GSBP) on "Monitoring of Environmental Factors and Interpretation"

1. Personal Details			
Name:			
Date of Birth: (DD/MM/YYYY)		Category: (Gen/SC/ST/OBC)	
Marital Status (Married/Unmarried)		Gender (Male/Female)	
Nationality:			
Mailing Address:	Permanent Address:		
Mobile No.:		Email :	
AADHAR Number:			

2. Educational Qualifications (10 <sup>th</sup> onwards)						
S. No.	Examination Passed	University/Board	Year	Marks/OGPA	% of Marks	Divison

3. Whether NET/GATE qualified? (if yes, provide the details)
4. Experience (if any)

**5. Research Publications (if any)**

**6. Relevance of the training programme for your career and future plans:**

**DECLARATION**

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If found false about the furnished information or involved in any kind of undesirable misconduct/misbehave/in disciplinary activities, the institute will have the right to expel me from the institute at any time after my admission.

If selected for the Certificate Course (GSBP), I shall be present for the whole course duration and I also promise to abide by the rules, regulations and discipline of the institute. I note that the decision of the institute is final in the regard to selection for admission and further necessary action. I agree that I shall abide by the decision of the institute, which will be final.

**Date:**

**Place:**

**Signature of the Applicant**



**Note:** The print out of the application form is to be filled by candidates in their own handwriting and required to be sent to the email [gmdp.clwrm@gmail.com](mailto:gmdp.clwrm@gmail.com) latest by 28<sup>th</sup> January, 2020 (till 2.00 PM). Hard copy of the same will be submitted to the office of the Course Coordinator by hand/speed post/registered post latest by 5<sup>th</sup> February, 2020.