Call for Participants

Summer / Winter Schools in Geospatial Science and Technology (2021-23)

A capacity building initiative of the National Geospatial Program (NGP), Department of Science and Technology, Government of India, New Delhi

ANNOUNCEMENT BROCHURE

Supporting Institutions

In India's recent journey of sustainable economic growth, knowledge has been identified as one of the key drivers. In this odyssey, India has adopted a new information regime through its 'Digital India' program to support good governance, sustainable development goals and empowerment of its citizens. The challenges of this developmental path are inclusiveness, transparency, efficiency and productivity while balancing economic growth and sustainable development. Over the last three decades, geospatial technologies have proven to be an effective enabler to meet these challenges.

In India's evolving geospatial ecosystem, the current focus in on improving the publicness in the provision of geospatial data and information through institutional strengthening for enhancing the performance of organizations. In this context, developing technical capacity at the individual level, remains the key factor for the success of this change process.

Capacity refers to the ability of individuals and organizations to make and implement decisions and perform functions in an effective, efficient and sustainable manner. Capacity building is an ongoing process and involves changing attitudes, imparting technical knowledge and developing skills while maximizing the benefits of participation, knowledge exchange and ownership.

Capacity building initiatives of the National Geospatial Program (NGP) erstwhile NRDMS, Department of Science and Technology, Government of India

Recognizing the above needs, the goal of the National Geospatial Program of the Department of Science and Technology, Government of India is to develop national capacity for geospatial science and technology development through diverse programs in collaboration with various partner organizations across the country.

Initiated in 1982, the erstwhile Natural Resources Data Management System (NRDMS) has successfully demonstrated utilities of geospatial technologies in decision making and developed capacity for geospatial data and information management at state, district and local levels at a pilot scale. The proof of concept phase being over, NRDMS has evolved into the National Geospatial Programme (NGP) with the following vision, mission and objectives:

Vision

Catalyzing the National Geospatial Ecosystem.

Mission

Promoting geospatial science and technology, policy, solution, capacity building, entrepreneurship and international cooperation for sustainable socio-economic development at all levels of governance.

Objectives

- Promotion of R&D in emerging areas of geospatial science and technology.

- Development of geospatial solutions for sustainable socio-economic growth in alignment with Sustainable Development Goals (SDGs) and national developmental priorities.

PROGRAM DETAILS OF THE SUMMER/WINTER SCHOOLS IN GEOSPATIAL TECHNOLOGy

The three week Summer/Winter School in Geospatial Technology is being conducted at two levels-Level 1 and Level 2. All the institutions implementing the program have been selected through a rigorous process by the DST, GOI to ensure quality of the program.

Level 1 Summer / Winter School In Geospatial Science and Technology

This three week program covers the basics of geospatial science and technologies with a standardized program being implemented by all the 25 selected institutions. The syllabus for this level is standardized, with all the concerned institutions implementing the same. The candidate is thus advised to select the centre closest to their place of residence.

Who can apply?

Faculty members, scientists, technologists, researchers from academia, national institutions of research, smart city cells, municipal corporations and other government departments, personnel from non government organizations are eligible to apply. Only 2-3 seats at each centre are reserved for research scholars.

Level 2 Summer / Winter School In Geospatial Science and Technology

This three week program is a theme specific advanced training being implemented by eight institutions across the country. The details of the themes offered is provided on page no. 8 A one week online refresher session will be held prior to the commencement of the three week program.

Who can apply?

Faculty members, scientists, technologists, researchers from academia, national institutions of research, smart city cells, municipal corporations and other government departments, personnel from non government organizations are eligible to apply. Only 2-3 seats are reserved for research scholars. Only candidates who have a high degree of experience with geospatial technologies should apply for these advanced programs. No basics will be covered in the Level 2 program. Candidates who have no knowledge of geospatial technologies should apply for the Level 1 program.

Grading and Certification

Participants will be assessed based on assignments completed during the course, a mini project that they are expected to complete, active participation during the training program as well as attendance.

PROGRAM DETAILS OF THE GEO-INNOVATION CHALLENGE

This is a new program instituted this year (2021) to recognize, encourage and nurture innovation for national socio-economic developmental processes among the youth of our country.

Increasing g-governance and efficiency of the system, necessitates innovation in geospatial technologies. While there has been widespread adoption of geospatial technologies in various sectors, innovation brings economic and social value. These could be in diverse fields of food, water and environment security, health, disaster risk reduction and management, location based services, infrastructure and development planning, enhanced governance, monitoring of the Sustainable Development Goals (SDG), poverty alleviation, etc. through the combination of geospatial technologies with artificial intelligence, IoT, big data, etc. This Geo Innovation Challenge will serve as a repository of ideas leading to the development of full proposals that could be supported by the DST at a future stage.

Who can apply?

This call invites young professionals under the age of 40 to submit their innovative ideas (not complete project proposals) in the prescribed format that can address any of the sub- themes as mentioned in the brochures of the respective institutions bringing in innovation in their approach. Kindly check the brochures of the respective institutions on the portal http://dst-iget.in. The ideas will have to be presented to an eminent jury drawn from the industry, academia and premier research institutions. We encourage you to apply if you fulfill any of the following conditions:

- Are below 40 years of age.

- Have a doctoral degree from any recognized University/ are pursuing a doctoral degree/ have or are pursuing a Masters / Bachelors degree in any subject

- Are working in an industry or an NGO or any other organization

Awards

The three top innovative ideas will be awarded cash prizes and a certificate with due credits to your ideas when used by the DST to issue a call for proposals.

First Prize: Merit Certificate + Rs. 12000/-

Second Prize: Merit Certificate + Rs. 8000/-

Third Prize: Merit Certificate + Rs. 5000/-

Other Information for all programs

There is no course fee for any of the courses. All the participants will be provided with shared accommodation and boarding by the Institutions conducting the training program. AC III tier train fare / bus fare will be paid on the production of tickets. Travel by air/private car / vehicle will not be reimbursed. In case the program is conducted online due to COVID 19 restrictions, participants must ensure that they have a laptop and a strong internet connection.

Course Study material

Course material including presentations, videos, reading material will be provided to all the participants.

Number of seats

25 at each Institution.

How to apply?

Interested candidates should fill the online application form through the weblink available on http://dst-iget.in below this Information Brochure on the website on or before the specified dates of each Institution as mentioned in the following pages. For any further queries write to dst-iget@bvieer.edu.in or call on +91-20-24375684/24362155.

Click here

Application Form

Institutional Brochures

NOTE: All the programs cater to in-service candidates and thus the prospective candidate must be nominated for the training by the respective organization. Please ensure that the application is duly endorsed from the Head of the organization. Applications without the nomination letter of the concerned organization will not be accepted. Incase you are not able to get the requisite letter due to COVID 19, kindly submit a self attested letter in the format on page 10 of this brochure.

The candidate is advised to read the brochures of the institution where the candidate wishes to apply thoroughly to be familiar with the dates. The Level 1 program are being held in three cycles: Winter 2021 (October 2021 to February2022) | Summer 2022 (April to June 2022) | Winter 2022 (November 2022 to January 2023). Kindly check the dates of the program as well as the last date for applying for each of these cycles. The application form will be open throughout but after the cut off date applications for specific institutions will not be accepted.

Institutions conducting Level 1 Summer / Winter School in Geospatial Technologies

S.No.	Name of PI	Name of the Institution	Date of Training Program	Session
1	Prof. Mushtaq A Wani	Sher-e-Kashmir University of Agricultural of Kashmir,Kashmir	10-30 November 2021	**Winter School, 2022** **Last date for applying: 30 September 2021**
2	Prof. Anup Saikia	Gauhati University, Guwahati, Assam,	15 November-5 December 2021	
3	Dr. Kailash Chandra Tiwari	Delhi Technological University, New Delhi	15 November – 9 December 2021	
4	Prof. Ramu	University Of Mysore, Karnataka	6-28 December 2021	
5	Dr. Ravikumar D	University Of Agricultural and Horticultural Sciences, Shivamogga, Karnataka	10-31 January 2022	**Winter School, 2022** **Last date for applying: 15 December 2021**
6	Dr. Shruti Kanga	Suresh Gyan Vihar University, Jaipur, Rajasthan	10-31 January 2022	
7	Dr. Khadeeja Priyan	G H Patel College of Engineering & Technology, CVM University, Gujarat	18 April – 8 May 2022	**Summer School, 2022** **Last date for applying: 31 March 2022**
8	Mr. Sashikanta Sahoo	Punjab Remote Sensing Centre, Ludhiana, Punjab	21 April-11 May 2022	**Last date for applying: 31 March 2022**
9	Dr. Ramesh H	National Institute of Technology Karnataka, Karnataka	11-31 May 2022	**Last date for applying: 15 April 2022**
10	Dr. Triloki Pant	Indian Institute of Information Technology Allahabad, Uttar Pradesh	23 May -12 June 2022	**Last date for applying: 30April 2022**
11	Dr. Pawan Kumar	Chaudhary Bansi Lal University, Haryana	23 May-12 June 2022	**Last date for applying: 30April 2022**
12	Prof. Umesh Mishra	National Institute of Technology Agartala, Tripura	25 May- 14 June 2022	**Last date for applying: 10 May 2022**
13	Prof. Seema Jalan	Mohanlal Sukhadia University Udaipur,Rajasthan	6-26 June 2022	**Last date for applying: 15 May 2022**

S.No.	Name of PI	Name of the Institution	Date of the training pro-gram	
14	Dr. R Mariappan	V R Siddhartha Engineering College (Autonomous), Andhra Pradesh	13 June– 3 July 2022	**Last date for applying: 30 May 2022**
15	Dr. Priyabrata Santra	ICAR- -Central Arid Zone Research Institute, Rajasthan	1-21 November 2022	**Winter School, 2022 Last date for applying: 15 October 2022**
16	Dr. Nishant K Sinha,	Indian Institute of Soil Science, (ICAR-IISS), Madhya Pradesh	3- 23 November 2022	**Last date for applying: 15 October 2022**
17	Dr. Kishan Singh Rawat	Graphic Era (Deemed to Be University), Dehradun, Uttrakhand	10 - 30 November 2022	**Last date for applying: 15 October 2022**
18	Dr. Guru Balamurugan	Central University Of Tamil Nadu, Tamil Nadu	21 November-11 December 2022	**Last date for applying: 15 November 2022**
19	Prof. Shakil Ahmad Romshoo	University Of Kashmir, Jammu and Kashmir	01 to 21 December 2022	**Last date for applying: 20 November 2022**
20	Dr. Aparna Ashok Phadke	University Of Mumbai, Mumbai, Maharashtra	5-25 December 2022	**Last date for applying: 20 November 2022**
21	Prof. Ranjan Roy	University Of North Bengal, West Bengal	30 January to 22 February 2023	**Winter School, 2022-23 Last date for applying: 16 January 2023**
22	Dr. Abhishek Mukherjee	Indian Statistical Institute, Kolkata, West Bengal	1 to 21 February 2023	**Last date for applying: 10 January 2023**
23	Dr. Srinivas Pasupuleti	Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand	10 February -02 March 2023	**Last date for applying: 25 January 2023**
24	Prof. Venkata Reddy Keesara	National Institute of Technology Warangal, Telangana	13 February to 04 March 2023	**Last date for applying: 31 January 2023**
25	Dr. Jayanta Kumar Ghosh	Indian Institute of Technology Roorkee, Roorkee, Uttarakhand	March 2023 (Tentative)	

Institutions conducting the 21-days Level 2 Summer/ Winter School*

No.	Name of PI	Institute	Theme	Dates	Session
1	Prof. Kranti Yardi	Bharati Vidyapeeth Deemed University, Institute Of Environment Education And Research, Pune, Maharashtra	Advances in geospatial techniques in ecosystem conservation and management	1-21 December 2021	**Winter School, 2021-22** **Last date for applying: 15 October 2021**
2	Prof. P Shanmugam	Indian Institute of Technology, Madras, Chennai	Recent Advances in marine geospatial techniques	3-23 January 2022	**Last date for applying: 15 December 2021**
3	Dr. G P Obi Reddy	ICAR-National Bureau of Soil Survey and Land Use Planning (NBSS&LUP), Nagpur, Maharashtra	Advance geospatial technologies for assessment and monitoring of land degradation in changing climate	8-28 February, 2022	**Last date for applying: 25 January 2022**
4	Dr. P Partheeban	Chennai Institute of Technology, Chennai, Tamil Nadu	Advanced geospatial technologies in smart city traffic and transportation planning	2-22 May 2022	**Last date for applying: 15 April 2022**
5	Dr. S. Pazhanivelan	Tamil Nadu Agricultural University, Tamil Nadu	Advanced Geospatial Science and Technology Applications in Agriculture	11-31 May 2022	**Last date for applying: 15 April 2022**
6	Prof (Dr.) Tarun Pratap Singh	Symbiosis Institute of Geoinformatics, Symbiosis International (Deemed) University, Pune, Maharashtra	Roles and methods of Geointelligence to achieve tangible UN Sustainable Development Goals	23 May-11 June 2022	**Summer School, 2022** **Last date for applying: 5 May 2022**
7	Dr.C Prakasam	Chitkara University, Solan, Himachal Pradesh	Advanced Geospatial Science and Technologies in Mountain disaster management	2 to 22nd June 2022	**Last date for applying: 5 May 2022**
8	Prof. Rama Rao Nidamanuri	Indian Institute of Space Science andTechnology, Thiruvananthapuram, Kerala	Advanced geospatial science and technology in water and environment	March 2023 (Tentative)	**Winter School, 2022-23** **Last date for applying:**
9	Prof. Avtar Singh Jasrotia,	University of Jammu, Jammu & Kashmir	Geospatial capacity building program (L2 water resources)	March 2023 (Tentative)	**Last date for applying:**

Institutions conducting 3-day Geo Innovation Challenge

Sr. No.	Name of PI	Name of the Institution	Date of Training Pro-gram	Session
1	Dr. Jaskirat Kaur	Chandigarh Engineering College Mohali, Punjab	2-4 February 2022	**Winter Session, 2021-22** **Last date for applying: 10 January 2022**
2	Dr. Kailash Chandra Tiwari	Delhi Technological University, New Delhi	7-9 February 2022	**Last date for applying: 10 January 2022**
3	Mr. Anand Sebastian	Integrated Rural Technology Centre, Kerala	23-25 March 2022	**Summer Session, 2021-22** **Last date for applying 10 March 2022**
4	Dr. L N Thakural	National Institute of Hydrology, Roorkee, Uttarakhand,	18-20 April 2022	**Last date for applying 10 April 2022**
5	Dr. K Nagamani	Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu	20-22 April 2022	**Last date for applying 07 April 2022**
6	Dr. Ramiya A M	Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala	20-22 April 2022	**Last date for applying 31 March 2022**
7	Dr. Hasmukh J Chauhan	Birla Vishvakarma Mahavidyalaya College, Anand, Gujarat	27-29 April 2022	**Last date for applying 15 April 2022**
8	Dr. Sukumar R	Jain University, Ramanagara,Karnataka	17 - 19 May 2022	**Last date for applying 25 April 2022**
9	Prof.Sanjay Kumar Ghosh	Indian Institute of Technology Roorkee, Roorkee, Uttarakhand	March 2023 (Tentative)	**Summer Session, 2022-23** **Last date for applying**

Format of deputation / nomination letter (must be on institutional letterhead with signature of the concerned authority and seal

This is to state that Prof.,/Dr/ Mr/Ms. Working in the institution as＿＿＿＿＿＿＿＿(designation) in the Department of ＿＿＿＿＿＿＿＿＿＿＿＿since＿＿＿＿＿＿is being deputed/ nominated to the＿＿＿＿＿＿＿＿＿＿＿＿(mention the program selected). He /She will be relieved from his duties during this period.

Name, signature and seal of the concerned authority

Format of self attested letter to be uploaded with the application form (in case deputation letter cannot be got due to COVID 19 or other unavoidable circumstances

I, Dr./Mr./Ms.＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿hereby confirm that I am presently working at ＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿since＿＿＿＿＿＿＿＿＿＿＿. I wish to apply for the Level 1 / Level 2/ Geo-Innovation Challenge (Write the appropriate course) to be conducted at＿＿＿＿＿＿＿＿＿＿＿from＿＿＿to＿＿＿＿.

I am unable to get the deputation letter at the moment due to＿＿＿＿＿＿＿＿＿＿＿(kindly write your reason here). I hereby confirm that I will submit the letter deputing me to the training program once I am selected. I kindly request you to consider my application for the same.

Yours sincerely

(Name and signature of applicant with date)

For any queries contact us at:

dst-iget@bvieer.edu.in

020-24375684, 24362155

Log on to: http://dst-iget.in