



esri®



2 Weeks
National Level Online Capacity Building Program on
**GEOSPATIAL TECHNOLOGY in
RESEARCH & DEVELOPEMNT**

13 – 26 June, 2021

Organised by



INTERNATIONAL INSTITUTE OF GEOSPATIAL SCIENCE & TECHNOLOGY (IGST)
(A constituent unit of SAIARD)

Keynote

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 is on improving the public access 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.

Recognizing the above needs, the goal of the International Institute of Geospatial Science & Technology (IIGST), a constituent unit of SAIARD has taken this initiative to develop national capacity for geospatial science and technology development through diverse programs in collaboration with various partner organizations working in those fields.

Mission

Promoting geospatial science and technology, policy, solution, capacity building, entrepreneurship and 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 as well as Sustainable Development Goals (SDGs).
- ☐ Build knowledge and adaptation capacity of geospatial technologies at various levels of governance in collaboration with academia and user agencies.
- ☐ Capacity building in teaching, research, development and use of geospatial technologies.
- ☐ Promote the use of open source geospatial technologies.
- ☐ To encourage and nurture innovation among the youth of our country through the Geo Innovation Challenge and Promote networking of government, academic, research and industrial organizations.

Target Audiences

College and University Faculties, Research Scholars, Students, Govt. officials, Industry/Corporate.

Knowledge Support

Areas to be covered are:

- Knowledge about basic Cartography & GIS-RS software
- Hands-on training on GIS & RS
- Thematic Mapping Build-up
- Image Classification
- Work with free High resolution Data
- Application of Python in GIS
- Statistical Data Modelling
- EO-Factory Application
- Application of Geospatial Technology in
 - i. Urban Planning
 - ii. Disaster Management
 - iii. Drone Based Application
 - iv. Natural Resource Management
 - v. River Basin Management

The course curriculum followed

This two weeks capacity building program includes: theory, practical (hands on sessions) with open source geospatial software, interactive sessions with experts and project work.

- ☑ Open source geospatial software
- ☑ Tutorials with data
- ☑ Teaching and learning resources

The main features of this program is :

- ☑ Structured curriculum with a tentative program schedule.

Class Timing: 3.00 – 5.00 p.m. per day

Resource Persons from

- International Institute of Geospatial Science & Technology (IIGST)
- National Atlas & Thematic Mapping Organization (NATMO), GoI
- National Institute of Urban Affairs (NIUA), GoI
- National Mission for Clean Ganga (NMCG), GoI
- Indian Institute of Remote Sensing (IIRS), GoI
- North Eastern Space Applications Centre, GoI
- National Institute of Disaster Management (NIDM), GoI
- Dept. of Science & Technology, Govt. of West Bengal
- Esri India Pvt. Ltd.
- SkyMap Global India Pvt. Ltd.

Application Link: <https://cutt.ly/HbTTIf5>

Registration fees:

- **Faculties & Research Scholars:** 1200/-
- **Officials:** 2000/-
- **Students:** 700/-

Bank Details:

Just scan the QR code & pay or pay in the given bank account

Bank- SBI

Account No- 38377901244

IFSC Code- SBIN0016629

Beneficiary Name- SAIARD



E-Certificate will be provided on behalf of IIGST

For any queries: 6289169916, iigstkolkata@gmail.com

Website: www.iigst.in

Tentative Programme Schedule

Day-1: Inauguration: Welcome Address by the Programme Director, IIGST

Inaugural Address by the Chairman, IIGST

Address by the Director, Geoinformatics Division, IIGST

Address by the Chief Guest

Keynote Lecture by Dr. Anil Kr. Gupta, Professor & Head, ECDRM, NIDM, GoI

Day-2: Basics of Cartography by Prof Ashis Sarkar, Retd. Prof. in Geography, Presidency University, Kolkata

Basics of Geospatial Technology by Mr Manas Hudait, Training Director, IIGST

Day-3 to 7: Hands-on Training on GIS and RS by the Faculties of IIGST

Day- 8 to 9: Learn Python and its application in GIS

Day -10: Technical session by NATMO, GOI

Technical session by NMCG, GOI

Day -11: Technical session by NESAC, GOI

Technical session by NIUA, GOI

Day -12: Technical session by IIRS, GOI

Technical session by DST, GoWB

Day -13: Technical session by Esri India Pvt Ltd.

Day -14: Technical session by SkyMap Global India Pvt Ltd.

Valedictory Lecture by the Chief Guest

Vote of Thanks the Executive Officer, IIGST