



MARATHWADA MITRA MANDAL'S
COLLEGE OF COMMERCE

Affiliated to Savitribai Phule Pune University, Re-Accredited by NAAC with "A" Grade
ISO 9001:2015 Certified, Awarded as Best College by Savitribai Phule Pune University
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Date:-29/09/2021

IIRS ISRO Nodal Center

**Report on
Certificate Course of
"Fundamentals of Remote Sensing and GIS Technology (Course in Hindi)".
Held online during 14th September to 28th September 2021.**

Overview:

The Fundamentals of Remote Sensing and Geographic Information Systems (GIS) Technology (Course in Hindi) Certificate Course was conducted by the IIRS ISRO MMCC Nodal Center during 14th Sept. to 28th Sep. 2021. The course aimed to provide participants with a comprehensive understanding of remote sensing principles, GIS applications, and their integration for various environmental and geospatial analyses.

Objectives:

- To introduce participants to the basic principles and concepts of remote sensing.
- To familiarize participants with the fundamentals of Geographic Information Systems (GIS).
- To demonstrate the integration of remote sensing and GIS for spatial analysis and decision-making.
- To provide hands-on experience with popular remote sensing and GIS software tools.

Participants:

The course attracted a total 54 participants from diverse backgrounds, including students, researchers and teachers involved in fields such as environmental science, computer science, geography, agriculture, and disaster management.

Course Content:

The course curriculum was structured to cover the following topics:

- Introduction to Remote Sensing
- Remote Sensing Platforms and Sensors
- Image Interpretation Techniques
- Basics of GIS and Spatial Data
- Data Acquisition and Pre-processing
- Spatial Analysis and Modeling

- Applications of Remote Sensing and GIS
- Hands-on Training with Software Tools (e.g., ArcGIS, QGIS, ENVI, ERDAS Imagine)

Methodology:

The course employed a combination of lectures, practical demonstrations, hands-on exercises, and interactive sessions to facilitate learning. Participants were provided with study materials, software tutorials, and datasets to reinforce their understanding. Experts from ISRO were to provide insights into real-world applications and advancements in remote sensing and GIS technology.

Outcomes:

Upon completion of the course, participants gained a solid foundation in remote sensing principles, GIS techniques, and their integration for spatial analysis. They developed practical skills in handling remote sensing data, performing geospatial analyses, and generating meaningful outputs for decision support. The hands-on training sessions equipped them with the necessary proficiency in using popular software tools for remote sensing and GIS applications.

Conclusion:

The Fundamentals of Remote Sensing and GIS Certificate Course conducted by the [Nodal Center Name] proved to be a valuable learning experience for participants, empowering them with knowledge and skills essential for tackling diverse environmental and geospatial challenges. The course received positive feedback from attendees, highlighting its relevance, comprehensiveness, and practical applicability in their respective fields.



Dr.Sandip Anpat
Coordinator, IIRS ISRO Nodal Center



Dr. Devidas Golhar
Principal





भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



COR91139752021

बहिः परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **मराठवाड़ा मित्र मंडल कॉलेज ऑफ कॉमर्स, डेक्कन जिमखाना, पुणे** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहारादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **सुदूर संवेदन एवं जीआईएस प्रौद्योगिकी के मूल सिद्धांत** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 14 सितंबर, 2021 से 28 सितंबर, 2021 तक किया गया।

This is to certify that **Marathwada Mitra Mandal's College of Commerce, Deccan Gymkhana, Pune**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on **Fundamentals of Remote Sensing and GIS Technology (Course in Hindi)**. This online programme was conducted during September 14, 2021 to September 28, 2021

दिनांक/ Date: 11-10-2021
देहारादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

COR91139752021

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि **मराठवाड़ा मित्र मंडल कॉलेज ऑफ कॉमर्स, डेक्कन जिमखाना, पुणे** कार्यरत **???** **संदीप एम. अनपत**, ने **“सुदूर संवेदन एवं जीआईएस प्रौद्योगिकी के मूल सिद्धांत”** विषय पर इस संस्थान द्वारा दिनांक 14 सितंबर, 2021 से 28 सितंबर, 2021 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **DR. SANDIP M. ANPAT**, working with **Marathwada Mitra Mandal's College of Commerce, Deccan Gymkhana, Pune**, has coordinated the online training course on **“Fundamentals of Remote Sensing and GIS Technology (Course in Hindi)”** conducted by this institute during September 14, 2021 to September 28, 2021.

दिनांक/ Date: 11-10-2021
देहरादून/ Dehradun


प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS


समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

IIRS ISRO Nodal Center
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Technology

Date: 14 Sept 2021 to 28 Sept 2021

Sr.No.	Student Name	Remark
1	Ms. Vaishnavi vitthal gajbar	Completed
2	Ms. Manali Prayag Petare	Completed
3	Mr. Kuldeep raju patil	Completed
4	Ms. Rutuja Uppin	Completed
5	Mr. Yash Sandeep Kadam	Completed
6	Mr. Shubham Ramdas Zende	Completed
7	Ms. Anupriti Avinash Wakchaure	Completed
8	Mr. Siddharth	Completed
9	Mr. Akash mahesh patole	Completed
10	Ms. Ketaki Kailas Gopalghare	Completed
11	Ms. Takalkar Sakshi Shankar	Completed
12	Ms. Renu Chandrakant Vitkar	Completed
13	Ms. Waghmare Maya Bharat	Completed
14	Ms. Sakshi Sanjay Pargaonkar	Completed
15	Ms. Aarti janardan kale	Completed
16	Ms. Prachi Naik Nimbalkar	Completed
17	Ms. Isha Jaiprakash Choudhary	Completed
18	Ms. Aishwarya Datta Bodkhe	Completed
19	Ms. Siddhi Anil Deshmukh	Completed
20	Mr. Sourab Probhas Khan	Completed
21	Ms. Niroo Ganesh Chohan	Completed
22	Mr. Vivek Nair	Completed
23	Ms. Neha	Completed
24	Mr. Suraj Deepak Mandal	Completed
25	Mr. Basuraj khot	Completed
26	Mr. Jamdade Sanket Dilip	Completed
27	Ms. Akanksha Bharat Kadlag	Completed
28	Ms. Kshitija Suresh Darde	Completed
29	Mr. Mayur Rewa Fegade	Completed
30	Mr. Omkar Malikarjun Kumbhar	Completed
31	Mr. Amit Gautam Kamble	Completed
32	Mr. Varad Vikas Deshpande	Completed
33	Ms. Vaishnavi Sunil Bade	Completed
34	Mr. Avishkar Malusare	Completed
35	Ms. Shatakshi ganpat kshirsagar	Completed
36	Mr. Rushikesh deshmukh	Completed
37	Ms. Yugandhara Girish Kulkarni	Completed

38	Ms. Chavan Siddhi Abhijit	Completed
39	Mr. Omkar Balasaheb Borude	Completed
40	Mr. Partha Shirolkar	Completed
41	Mr. Omkar Ajit Awadhut	Completed
42	Ms. Aishwarya	Completed
43	Ms. Aarya Swaroop Mulay	Completed
44	Ms. Jathar Mugdha Vishwas	Completed
45	Mr. Sankalp	Completed
46	Mr. Atharva Pradeep Bankar	Completed
47	Mr. Patil Prasad Makarand	Completed
48	Mr. Debashis	Completed
49	Mr. Kshreyash Dattatray Sudrik	Completed
50	Mr. Janjitya Jagbandhu Pradhan	Completed
51	Mr. Vaibhav Rajkumar Bachate	Completed
52	Mr. Tanmay Pradip Borge	Completed
53	Dr. Sandip Anpat	Completed
54	Mrs. Swati Shelar	Completed



Dr. Sandip Anpat
Coordinator, IIRS ISRO Nodal Center



Dr. Devidas Golhar
Principal

