

"Dissemination of Education for Knowledge, Science and Culture"
-Shikshanamaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha
Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Computer Science

No: NB/1615/2024-25

Date: 06-08-2024

*** NOTICE ***

All Post Graduate M.Sc. (PG) students and Final Year B.Sc. (UG) students of Computer Science, Physics, Electronics, Statistics and Mathematics are hereby informed that the Department of Computer Science in association with Indian Space Research Organisation (ISRO) Indian Institute of Remote Sensing (IIRS), Dehradun is organizing 144th e-learning course on **AI/ML for Geodata Analysis** (under Data Science discipline) during 19-Aug-2024 to 23-Aug-2024.

Interested students are informed to meet Dr. Vishal Waghmare (Coordinator, Nodal Centre) in the Department of Computer Science on or before 14-Aug-2024. All students who will successfully participate and clear the test will get a Certificate from ISRO.


Dr. R. R. Kumbhar
PRINCIPAL

VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Copy to:
The Head,
Department of

1. Physics
2. Mathematics
3. Statistics
4. Electronics





144th Outreach Programme on "AI/ML for Geodata Analysis" from August 19-23, 2024
Department of Computer Science, Vivekanand College, Kollhapur

S.No.	RegNo.	Name	19/08/2024	20/08/2024	21/08/2024	22/08/2024	23/08/2024
1	20241442491349	Mr. Vicky Harihar Pol					
2	20241442492592	Dr. Vishal Waghmare					
3	20241442508748	Ms. Sanika Santosh Dhumale					
4	20241442521466	Ms. Pranali Shirke					
5	20241442522633	Ms. Mrunal Pandit Dinde					
6	20241442523003	Mr. Prasad Shirang Mengane					
7	20241442524429	Ms. Rajashree Shendre					
8	20241442525621	Ms. Pandav Gautami Dashrath					
9	20241442526048	Ms. Kambale Sanjivani Rajaram					
10	20241442528874	Ms. Mrunali Ajit Powar					
11	20241442533053	Ms. Pallavi Bhujgonda Gudle					
12	20241442539083	Ms. AUNDHAKAR SONAL VIJAY					
13	20241442539291	Ms. Nikita Raju Hude					
14	20241442539725	Ms. Prajakta Sahadev Patil					
15	20241442550426	Ms. Shreya Hirdekar					
16	20241442553690	Mr. Pratham Pradeep Sawant					
17	20241442553929	Ms. Sharvari Kuldeep Patil					
18	20241442554215	Ms. Ankita Prakash Hanbar					





INDIAN INSTITUTE OF REMOTE SENSING
Indian Space Research Organisation
Department of Space, Govt. of India



144th Outreach Programme on "AI/ML for Geospatial Analysis" from August 10-13, 2024
Department of Computer Science, Vivekanand College, Kolhapur

S.No.	Registration Number	Name	Certificate Received
1	202414425401340	Ms. Vicky Harhar Pat	
2	202414425402302	Dr. Vishal Waghmare	
3	202414425408748	Ms. Nandha Santosh Dhumale	
4	20241442521466	Ms. Prunali Nhirke	
5	20241442522633	Ms. Mrunali Pandit Dinda	
6	20241442523003	Ms. Prasad Shikharang Mengane	
7	20241442524420	Ms. Rajashree Bhendre	
8	20241442525621	Ms. Pandav Gautami Dhanrath	
9	20241442526048	Ms. Kamble Sanjivani Rajaram	
10	20241442528874	Ms. Mrunali Ajit Power	
11	20241442533053	Ms. Pallavi Dhufgonda Gudle	
12	20241442539083	Ms. AUNDHAKAR SONAL VIJAY	
13	20241442539291	Ms. Nikita Raju Hude	
14	20241442539723	Ms. Prajakta Sahadev Patil	
15	20241442550426	Ms. Shreyu Hirdokar	
16	20241442553690	Mr. Pratham Pradeep Sawant	
17	20241442553929	Ms. Sharvari Kuldeep Patil	
18	20241442554215	Ms. Ankita Prakash Hanbar	



DR. VISHAL BANSI WAGHMARE
Co-ordinator,
IRS, 144th Outreach Programme



भारतीय अंतरिक्ष अनुसंधान संगठन / INDIAN SPACE RESEARCH ORGANISATION
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नाम/कनस / Enrolment No.: 20241442522633

CERTIFICATE OF ATTENDANCE

ONLINE COURSE

यह प्रमाणपत्र

MS. MRUNAL PANDIT DINDE

को "जियोडेटा विश्लेषण के लिए एआई/एमएल का प्रयोग"

मैं ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है।

इस ऑनलाइन पाठ्यक्रम का आयोजन 2024-08-19 से 2024-08-23 (कुल पाठ्यक्रम की अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।
(संबन्धित आई आई आर एम् एम् नोडल केंद्र- विवेकानन्द कॉलेज, कोल्हापुर)

**THIS CERTIFICATE IS
AWARDED TO**

MS. MRUNAL PANDIT DINDE

ON COMPLETION OF THE ONLINE COURSE ON

"AI/ML for Geodata Analysis"

THIS ONLINE COURSE WAS CONDUCTED DURING 19 August 2024 to 23 August 2024 (Total course duration = 7 hrs & 30 minutes).

(Concerned IIRS Nodal Centre- Vivekanand College, Kolhapur)

Attendance: 100 %

Date: 10-09-2024

Place: Dehradun

dd2ca0aa327e349f8c2a3c14d140a02b, This Certificate can be validated using URL: https://certificate.lifs.gov.in/coordinator_university_institution

समन्वयक, विध्वविद्यालय/संस्थान
Coordinator, University/ Institution

सम्यक्चेन्द्र सिंह
निदेशक/Director
आई.आई.आर.एस. देहरादून/ IIRS, Dehradun

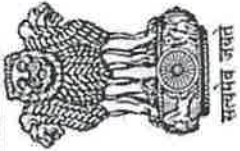
144th IIRS Outreach Programme
on
“AI/ML for Geodata Analysis”

August 19-23, 2024

Time: 1600-1730 Hrs

S.No.	Topic	Date	Faculty
1	Introduction to AI/ML and DL	19/08/2024	Dr. Poonam Seth Tiwari
2	Methods in Machine Learning: Supervised, Unsupervised and Reinforcement	20/08/2024	Dr. Hina Pande
3	Deep Learning concepts through CNN, RNN, R-CNN, Faster RCNN, SSD, YOLO etc & their applications	21/08/2024	Dr. Poonam Seth Tiwari
4	Machine learning through Google earth engine	22/08/2024	Dr. Kamal Pandey
5	Python for Machine/Deep Learning Models	23/08/2024	Shri Ravi Bhandari





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



सत्यमेव जयते

COR2024144773

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

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

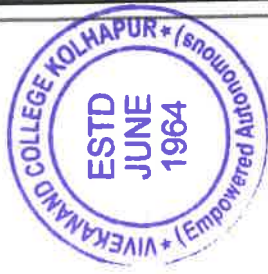
- यह प्रमाणित किया जाता है कि विवेकानन्द कॉलेज, कोल्हापुर ने भारतीय सुदूर संवेदन संस्थान, इसरो देहारादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम जियोडेटा विश्लेषण के लिए एआई/एमएल का प्रयोग में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 2024-08-19 से 2024-08-23 तक किया गया।

This is to certify that **Vivekanand College, Kolhapur**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **AI/ML for Geodata Analysis**. This online programme was conducted during August 19, 2024 to August 23, 2024

दिनांक/ Date: 09-09-2024
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





“Dissemination of Education for Knowledge, Science and Culture”
-Shikshanmaharshi Dr. Bapuji Salunkhe

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)



Internal Quality Assurance Cell
2024-25

Activities Report

One Page Report: “E-Learning course on AI/ML for Geodata Analysis (Under Data Science Discipline)”

- 1. Name of Department:** -Computer Science
- 2. Name of Organized Activity:** - “E-Learning course on AI/ML for Geodata Analysis (Under Data Science Discipline)”
- 3. Date/ Duration:** -19th August to 23rd August 2024
- 4. Resource Institute:-** ISRO and IIRS
- 5. Aims and Objectives:** -
 - To introduce participants to the fundamentals of Artificial Intelligence (AI) and Machine Learning (ML) and their applications in analyzing geospatial and remote sensing data.
 - To enhance technical skills by providing hands-on exposure to AI/ML tools, techniques, and algorithms used in geodata analysis.
 - To promote research and innovation in applying data science methods for solving real-world challenges such as urban planning, environmental monitoring, agriculture, and disaster management.
- 6. No. of beneficiaries:** - 18
- 7. Expenditure & funding agency:** -NIL



8. Brief description: -

The Department of Computer Science organized an **E-Learning Course on "AI/ML for Geodata Analysis"** from 19th August to 23rd August 2024 in collaboration with **ISRO** and the **Indian Institute of Remote Sensing (IIRS)**. The program was designed to familiarize students and faculty with the latest advancements in the field of Artificial Intelligence and Machine Learning, specifically applied to geospatial data analysis. Participants were introduced to the fundamentals of AI/ML techniques and their role in processing, classifying, and interpreting large geodata sets. The sessions included online expert lectures, practical demonstrations, and real-life case studies that connected theory with applications. Special emphasis was laid on the use of data science tools for urban planning, environmental monitoring, natural resource management, and disaster response. The course also highlighted cutting-edge methodologies integrating AI with remote sensing technologies. Students gained valuable insights into handling large-scale spatial datasets with efficiency and accuracy. The program supported both learning and research by opening new avenues in the interdisciplinary domain of data science and geoinformatics. Overall, the initiative strengthened participants' knowledge base and encouraged them to explore innovative solutions to societal and environmental challenges.

9. Outcomes: -

Improved Technical Competence – Participants gained knowledge of AI/ML algorithms and their applications in geospatial data analysis, enhancing their domain-specific technical skills.

Practical Exposure to Tools & Case Studies – Students and faculty were able to apply learned concepts through demonstrations, real-world examples, and hands-on practice, bridging theory with practical applications.

Research and Career Readiness – The course encouraged participants to explore interdisciplinary research opportunities and prepared them for careers in data science, remote sensing, and geoinformatics.

