

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

Shri Swami Vivekanand Shikshan Sanstha  
**Vivekanand College, Kolhapur**  
(An Empowered Autonomous Institute)  
**Department of Computer Science**  
**ISRO-IIRS E-Learning Center**

Date: 12-11-2024


**\*NOTICE \***

All Post Graduate M.Sc. (PG) students and Final Year B.Sc. (UG) students of Computer Science, Physics, Electronics, Statistics, Mathematics and B.A. Geography, Geology 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 1043 IIRS Outreach Programme on **Deep Learning in Ecological Studies** on 27 November 2024.

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

**Copy to:**  
The Head,  
Department of

1. Physics
2. Mathematics
3. Statistics
4. Electronics
5. Geography
6. Geology

  
**Dr. V. B. Waghmare**  
**HEAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**VIVEKANAND COLLEGE, KOLHAPUR**  
**(EMPOWERED AUTONOMOUS)**





Dr. VISHAL BANSI WAGHMARE

1043- IIRS Outreach Programme on Deep learning in ecological Studies

View Student Attendance Attendance Status Study Material Download Certificates

### Students Record

Show 10

entries

Search:

S.No.	RegNo.	Name	Email ID	Profession	Qualification	Sul		
1	202410432620233 (/student_detail/202410432620233)	Vishal Waghmare	vishal_pri1@yahoo.co.in	Working Professional	Doctorate	Computer Science	2015	View
2	202410432620261 (/student_detail/202410432620261)	Rajesh Ramchandra Mane	rajmane78@gmail.com	Working Professional	Post Graduation	MCA	2003	View
3	202410432617962 (/student_detail/202410432617962)	FIROJ PATEL	abcxyz29200@gmail.com	Student	Graduation	Geography	2023	View
4	202410432620792 (/student_detail/202410432620792)	Ajinkya Anil Mali	maliyajinkya946@gmail.com	Student	Graduation	geography	2024	View
5	202410432620890 (/student_detail/202410432620890)	Sayali Prakash Harugade	sayliharugade16@gmail.com	Student	Graduation	Geography	2024	View

Showing 1 to 5 of 5 entries

Previous1Next

### Students Record

### USEFUL LINKS

IIRS e-Learning Brochure ([https://elearning.iirs.gov.in/imgs/elearning\\_IRS--English\\_Version2018.pdf](https://elearning.iirs.gov.in/imgs/elearning_IRS--English_Version2018.pdf))

Annual Course Calendar IIRS Distance Learning Programme – 2020 ([https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20\(4\).pdf](https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20(4).pdf))

IIRS Application Form ([https://elearning.iirs.gov.in/imgs/application\\_form.pdf](https://elearning.iirs.gov.in/imgs/application_form.pdf))

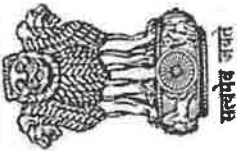
ISRO (<https://www.isro.gov.in/>)

CSSTEAP (<https://www.cssteap.org/>)

National Biodiversity Information System (<https://bis.iirs.gov.in/>)



### OUR CONTACTS



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



COR20241043773

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 पारिस्थितिक अध्ययन में डीप लर्निंग में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 2024-11-27 से 2024-11-27-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 **Deep learning in ecological Studies**.  
This online programme was conducted during November 27, 2024 to November 27, 2024

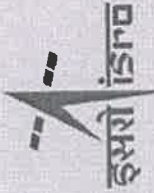


दिनांक/ Date: 18-12-2024  
देहारादून/ Dehradun

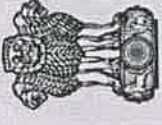
प्रमुख,  
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग  
Head, Geoweb Services, IT & Distance Learning Department, IIRS

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





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



नामांकन सं./ Enrollment No.: 2024I0432620261

आई.आई.आर.एस. आउटरीच कार्यक्रम  
IIRS Outreach Programme

## कार्यशाला में सहभागिता का प्रमाणपत्र/CERTIFICATE OF PARTICIPATION IN WORKSHOP

यह प्रमाणित किया जाता है कि

**MR. RAJESH RAMCHANDRA MANE**

ने इस संस्थान द्वारा दिनांक 2024-11-27 को आयोजित एक दिवसीय ऑनलाइन कार्यशाला,  
पारिस्थितिक अध्ययन में डीप लर्निंग  
में भाग लिया।

(संबन्धित आई.आई.आर.एस नोडल केंद्र- विवेकानन्द कॉलेज, कोल्हापुर)

This is to certify that

**MR. RAJESH RAMCHANDRA MANE**

has participated in one day online workshop titled  
**Deep learning in ecological Studies**  
conducted by this institute on 27-11-2024.

(Concerned IIRS Nodal Centre- Vivekanand College, Kolhapur)

समन्वयक, विश्वविद्यालय/संस्थान  
Coordinator, University/Institution

Date: 18-12-2024  
Place: Dehradun

UID: 7dcb11c51915aaff6f738295b9fb-c0df . This Certificate can be validated using URL- <https://certificate.iirs.gov.in>



निदेशक/Director

आई०आई०आर०एस, देहरादून/IIRS, Dehradun



“Dissemination of Education for Knowledge, Science and Culture”  
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**Internal Quality Assurance Cell**  
**2024-25**

### **Activities Report**

#### **One Page Report: “Outreach Programme on Deep Learning in Ecological Studies”**

- 1. Name of Department:** -Computer Science
- 2. Name of Organized Activity:** - “Outreach Programme on Deep Learning in Ecological Studies”
- 3. Date/ Duration:** - 27<sup>th</sup> November 2024
- 4. Resource Person:-** ISRO and IIRS
- 5. Aims and Objectives:** -
  - To introduce participants to the applications of Deep Learning in ecological and environmental research using geospatial and remote sensing data.
  - To enhance interdisciplinary learning by bridging computer science techniques with ecological and biodiversity monitoring studies.
  - To encourage research and awareness on how AI/ML approaches can support sustainable development, conservation efforts, and climate change analysis.
- 6. No. of beneficiaries:** - 05
- 7. Expenditure & funding agency:** -NIL





#### 8. Brief description: -

The Department of Computer Science organized an **Outreach Programme on “Deep Learning in Ecological Studies”** on 27th November 2024, in collaboration with **ISRO** and the **Indian Institute of Remote Sensing (IIRS)**. The programme aimed to provide participants with an understanding of how **Deep Learning and AI techniques** can be effectively applied in the field of ecology and environmental sciences. Experts from ISRO and IIRS delivered insightful sessions on integrating geospatial data with advanced machine learning models to analyze ecological systems. The lectures covered applications such as biodiversity monitoring, habitat mapping, and the study of climate change impacts. Case studies presented during the sessions highlighted real-world use of AI tools in wildlife conservation and sustainable natural resource management. The programme emphasized the importance of interdisciplinary approaches, combining technology with environmental science for meaningful outcomes. Students and faculty gained exposure to state-of-the-art methods, algorithms, and frameworks used globally in ecological research. Interactive discussions provided opportunities to clarify concepts and explore future research possibilities. Overall, the programme successfully motivated participants to consider innovative applications of Data Science in ecological and environmental domains.

#### 9. Outcomes: -

- **Applied Knowledge Acquisition** – Participants gained an understanding of how Deep Learning techniques can be used in ecological studies such as biodiversity monitoring, climate change analysis, and environmental management.
- **Interdisciplinary Awareness** – Students and faculty developed an appreciation of how computer science concepts like AI/ML integrate with ecological and geospatial sciences for real-world problem solving.
- **Research and Innovation Orientation** – The programme inspired participants to explore innovative projects and research opportunities at the intersection of Data Science, Remote Sensing, and Environmental Studies.

