

One Day Online Training Programme
on
“Advanced Image Analysis for Geospatial
Professionals”
in
collaboration with IIRS, ISRO Dehradun
from
22nd August 2025



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



Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur

(AN EMPOWERED ATONOMOUS INSTITUTE)

INTERNAL QUALITY ASSURANCE CELL

Academic Year 2025-26

Quality Initiatives/ Activities Report

- 1. Name of Department:** Computer Science
- 2. Name of Organized Activity:** One Day Online Training Programme on "Advanced Image Analysis for Geospatial Professionals"
- 3. Name of the Resource Institute:** IIRS, ISRO Dehradun
- 4. Date/ Duration:** 22nd August 2025
- 5. Aims and Objectives:**
 - To introduce advanced image processing algorithms tailored for geospatial data analysis.
 - To enhance participants' skills in handling high-resolution satellite imagery using open-source tools.
 - To bridge theoretical concepts with real-world geospatial applications in computer science.
 - To foster collaboration between academia and ISRO for innovative remote sensing solutions.
- 6. No. of beneficiaries:** Male: 2
Female: - 9
Total: - 11
- 7. Expenditure & funding agency:** - ----

8. Brief description:

This one-day online training program, organized by the Computer Science Department in collaboration with IIRS, ISRO Dehradun, equips geospatial professionals with advanced image analysis techniques. Delivered on August 22, 2025, it covers cutting-edge tools for processing satellite imagery, enabling practical applications in remote sensing, environmental monitoring, and urban planning through hands-on sessions and expert insights from ISRO.

9. Outcomes:

- Participants will proficiently apply image enhancement and classification techniques to geospatial datasets.
- Attendees will gain hands-on experience with software like QGIS and ENVI for advanced analysis.
- Learners will develop the ability to interpret multispectral images for applications like disaster management.
- Participants will receive a certificate and resources to pursue independent geospatial projects.



CO-ORDINATOR
M.Sc.(COMPUTER SCIENCE)
VIVEKANAND COLLEGE, NOLHAPUR
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Department of Computer Science



One Day Online Training Program on
"Advanced Image Analysis for Geospatial Professionals"

22 August 2025

Attendance

S.No.	Name	Class	Signature
1	Supriya Krishnat Kumbhar	MSc-II	
2	Prachya Arun Mali	MSc-II	
3	Sanika Ananda Patil	MSc-II	
4	Tejasvini Tanaji Sanalkar	MSc-II	
5	Pankaj Vishnu Khandare	MSc-II	
6	Prasad Shrirang Menjane	MSc-II	
7	Diksha Yuvaraj Kumbhar	MSc-I	
8	Sanika Sanjay Kumbhar	MSc-I	
9	Snehal Madhukar Khopkar	MSc-I	
10	Sajal Dhanaji Bhangarde	MSc-I	
11	Sanika Ravindra Gureav	MSc-I	
12			
13			



Dr. V. B. Waghmare
Co-ordinator
CO-ORDINATOR
M.Sc.(COMPUTER SCIENCE)
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



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



COR20251048773

शशि : पीताम संस्कृत / 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 चिवेकानन्द कॉलेज, कोल्हापुर ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम भू-स्थानिक पेशेवरों के लिए उन्नत छवि विश्लेषण में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 2025-08-22 से 2025-08-22 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 **Advanced Image Analysis for Geospatial Professionals**. This online programme was conducted during August 22, 2025 to August 22, 2025



Signature

दिनांक/ Date: 02-09-2025
 देहरादून/ Dehradun

प्रमुख,
 विगोशेव सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
 Head, Geoweb Services, II & Distance Learning Department, ISRO

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



नामांकन सं./ Enrollment No.: 202510482776858

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. MAHESH PARASHARAM PATIL

ने इस संस्थान द्वारा दिनांक 2025-08-22 को आयोजित एक दिवसीय ऑनलाइन कार्यशाला,
भू-स्थानिक पेशेवरों के लिए उन्नत छवि विश्लेषण
में भाग लिया।

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

This is to certify that

MR. MAHESH PARASHARAM PATIL

has participated in one day online workshop titled
Advanced Image Analysis for Geospatial Professionals
conducted by this institute on **22-08-2025**.
(Concerned IIRS Nodal Centre- Vivekanand College, Kolhapur)

Date: 02-09-2025
Place: Dehradun

UID: 6c37a3d0d37a853ff30e27758e87db42 .This Certificate can be validated using URL- <https://certificate.iirs.gov.in>



समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/Institution



निदेशक/Director
आई०आई०आर०एस, देहरादून/IIRS, Dehradun