Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)

DEPARTMENT OF COMPUTER SCIENCE

In Association with

Indian Space Research Organisation, Department of Space

NODAL CENTRE: VIVEKANAND COLLEGE, KOLHAPUR

ISRO Space Science and Technology Awareness Training Program (START) -2025

ND:NB/1688/2024-25

Date: 31-12-2024

NOTICE

All UG/PG B.Sc., M.Sc. Computer Science, Physics, Mathematics, Electronics, Statistics, B.A., M.A. Geography students and Faculty members are hereby informed that the beginner course of ISRO-IIRS Course ID-155: Course on **"Overview of Space Science and Technology"** is schedule from **January 09-29, 2025.** The course is conducted through E-Class CMS.

All interested students are informed to contact Department of Computer Science for registration and more details.

Dr. V. B. Waghmare
Nodal officer
ISRO-IIRS

Dr. R. R. Kumbhar
PRINCIPAL
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

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START-2025 Theme: Future of India's space exploration

Tentative Programme schedule

No.	Date and Time (hrs)	Lecture Title
	09th January 2025 14:30 – 15:00	Inauguration
1	09th January 2025 15:15 – 16:00	India's Space Science Exploration: Past, Present and Future: Context of START 2025
2	10th January 2025 15:30 – 16:15	India's Human Spaceflight Programme: Beginning of a new Era
3	10th January 2025 16:30 – 17:15	India's Own Space Station: The Bharatiya Antarish Station (BAS)
4	13th January 2025 15:30 – 16:15	India's contributions to exploratory Lunar Science
5	13th January 2025 16:30 – 17:15	Microgravity and Biology of Living Systems: Challenges for Human Space exploration and new opportunities for research.
6	15th January 2025 15:30 – 16:15	Scientific Opportunities for Indian Astronauts on Lunar Surface
7	15th January 2025 16:30 – 17:15	Towards a Better Understanding of the Sun-Earth Connection: Avenues for Next Two Decades
8	16th January 2025 15:30 – 16:15	Envisioning the future for Solar System Exploration
9	16th January 2025 16:30 – 17:15	Future Directions in Space-Based Astronomy and Astrophysics
10	17th January 2025 15:30 – 16:15	Future Directions in Astrochemistry Research
11	17th January 2025 16:30 – 17:15	Space-Based Cosmology: Thoughts for Future Exploration
12	20th January 2025 15:30 – 16:15	India's Venture to Heliophysics and Space Weather: Present Status and Future Opportunities
13	20th January 2025 16:30 – 17:15	In Search of the Exoplanets
14	21st January 2025 15:30 – 16:15	Ground Observatories in India
15	21st January 2025 16:30 – 17:15	Lagrange Points as Vantage Points in Space-based Exploration: Future Opportunities
16	22nd January 2025 15:30 – 16:15	Understanding and predicting solar activity: Do sun's poles have the answer.
17	22nd January 2025 16:30 – 17:15	Launch Vehicles for Future Space Exploration
18	23rd January 2025 15:30 – 16:15	Advanced Propulsion System for Future Space Exploration
19	23rd January 2025 16:30 – 17:15	Docking in Space: Technologies, Challenges and Possibilities
20	24th January 2025 15:30 – 16:15	Communication and Navigation for Futuristic Interplanetary Missions
21	24th January 2025 16:30 – 17:15	Scientific Payloads and Techniques for Solar System Exploration
22	27th January 2025 15:30 – 16:15	Space Robotics in Future Science Exploration

23	27th January 2025 16:30 – 17:15	Building structures on the Moon: Challenges and Possibilities
24	28th January 2025 15:30 – 16:15	Enabling and Disruptive Technologies for Future Space Science Exploration
25	28th January 2025 16:30 – 17:15	Challenges in the Archival and Analysis of Planetary Samples
26	29th January 2025 16:30 – 17:15	Planetary Protection in Scientific Exploration: Will new Rules be Necessary for Future?
	Will be announced in course of time	**Concluding Session**

Dr. VISHAL BANSI WAGHMARE

155- IIRS Outreach Programme on Space Science and Technology awareness training (start)

View Student | Attendance | Attendance Status | Study Material | Download Certificates

Students Record

Show 10 entries

Search:

S.No.	RegNo.	Name	Email ID	Profession	Qualification		Su
1	20241552652467 (/student_detail/20241552652467)	Sayali Prakash Harugade	sayliharugade16@gmail.com	Student	Graduation	Geography	2024
2	20241552656316 (/student_detail/20241552656316)	Pradnya Arun Mali	malipradnya5@gmail.com	Student	Graduation	Computer Science	2024
3	20241552654301 (/student_detail/20241552654301)	Supriya Krishnat Kumbhar	supriyakumbhar18103@gmail.com	Student	Graduation	Computer Science	2024
4	20241552652565 (/student_detail/20241552652565)	Ajinkya Anil Mali	mallajinkya946@gmail.com	Student	Graduation	geography	2024
5	20241552652347 (/student_detail/20241552652347)	FIROJ PATEL	abcxyz29200@gmail.com	Student	Graduation	Geography	2023
	20241552654166	Prasad				Computer	

Showing 1 to 6 of 6 entries

Previous1Next

Students Record

USEFUL LINKS

IIRS e-Learning Brochure (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) ›

IIRS Application Form (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

सत्यमेव जयते

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

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बहि: 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 इसरो स्टार्ट कार्यक्रम के अंतर्गत **अंतरिक्ष विज्ञान और प्रौद्योगिकी का अवलोकन** मे भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 2025-01-09 से 2025-01-29 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 Dehardun on **Space Science and Technology awareness training (start)** under ISRO START Programme. This online programme was conducted during January 09, 2025 to January 29, 2025

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दिनांक/ Date: 18-02-2025
देहरादून/ Dehradun

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

Tirtha Pratim Das

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 Overview of Space Science and Technology"

1. **Name of Department**: -Computer Science

2. **Name of Organized Activity**: - "E-Learning course on Overview of Space Science and Technology"

3. **Date/ Duration**: -9th January to 29th January 2025

4. **Resource Institute**:- ISRO and IIRS

5. **Aims and Objectives**: -
   - To provide foundational knowledge of space science, satellite technology, and remote sensing concepts to students and faculty.
   - To create awareness about the applications of space technology in areas such as communication, navigation, resource monitoring, disaster management, and climate studies.
   - To encourage interest and research orientation among participants towards careers and higher studies in the fields of space science, data science, and interdisciplinary technologies.

6. **No. of beneficiaries**: - 6

7. **Expenditure & funding agency**: -NIL

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8. **Brief description: -**

The Department of Computer Science organized an **E-Learning Course on "Overview of Space Science and Technology"** in collaboration with **ISRO** and the **Indian Institute of Remote Sensing (IIRS)** from **9th January to 29th January 2025**. The program aimed to provide participants with foundational knowledge of space science and its diverse applications. The sessions covered essential topics such as remote sensing, satellite technology, planetary exploration, navigation systems, and space communication. Eminent scientists and experts from ISRO and IIRS delivered lectures and shared their expertise with students and faculty. The course also emphasized the role of space technology in solving real-world challenges like disaster management, urban planning, resource monitoring, and environmental studies. Participants gained valuable insights into emerging trends and innovations in space research. Interactive modules, case studies, and demonstrations made the learning experience engaging and effective. The initiative helped broaden participants' understanding of how space science integrates with multiple disciplines, including data science and technology. Overall, the program was a significant step in inspiring students to explore careers, higher studies, and research opportunities in the ever-expanding domain of space science and technology.

9. **Outcomes: -**

- Enhanced Knowledge Base – Participants gained fundamental understanding of space science concepts, satellite technology, and remote sensing applications.
- Awareness of Real-World Applications – Students and faculty understood how space technology supports fields like communication, navigation, disaster management, urban planning, and environmental monitoring.
- Motivation for Research and Careers – The course encouraged participants to explore higher studies, research opportunities, and careers in space science, geoinformatics, and interdisciplinary technologies.