भारत अंतरिक्ष अकादमी
INDIA SPACE ACADEMY
विकसित भारत अभियान
1947 TO 2047
INDIA SPACE WEEK

Learn Research Innovate

Artificial Intelligence & Machine Learning in Space Sector

This course helps you to gain expertise in AI & ML for Mission Operations, Space Data Analysis and onboard autonomy challenges. Increasing mission complexity and data volume require practical AI & ML skills for real-world space problems.

You will learn to

Apply AI & ML algorithms for mission planning, and predictive maintenance in space

Process and Analyze Space Data Sets for telemetry and astronomical problems using AI Techniques and Python Libraries

Develop Strategies for deploying AI on board spacecrafts, using real time constraints

Address Implementation process of AI & ML Case Study

Target Audience

Graduates in Engineering (CSE, ECE, AI&DS, and IT), and Science
Anyone who has an interest in Space Science and Technology

Program Supervisor

Dr. Ashok Gopalakrishnan, District Coordinator (for Coimbatore) India Space Week
Professor Emeritus, United Institute of Technology (UIT) coimbatore

TRAINING DURATION: 13 - 18 OCTOBER 25

Registration Details
Start Date: 11 Setember 2025
End Date: 10 October 2025, till 11:55 PM
Fees: 1200/-
Registration Link: https://indiaspaceweek.org/ai_ml/

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