

Bharat Space Education Research Centre

भारत अंतरिक्ष शिक्षा अनुसंधान केंद्र

Respected Authority,

आदरणीय महोदय/महोदया | **Respected Sir(s)/Madam,**

The **Bharat Space Education Research Centre (BSERC)** is pleased to announce the **2-Day Helicopter Design Workshop** and the **3-Day Online AI Accelerate Boot Camp**, dedicated to advancing **Def-Space Education and Innovation** for innovators and learners. We cordially invite students, faculty members, researchers, professionals, and technology enthusiasts to participate.



Public Notice / Important Update

Registration is now open for the **2-Day Helicopter Design Workshop** and the **3-Day Online AI Accelerate Boot Camp**.

BSERC introduces a new specialized course titled **"Helicopter Design"**, designed to provide participants with comprehensive knowledge of helicopter aerodynamics, rotorcraft dynamics, flight controls, propulsion systems, rotor performance, and modern helicopter technologies.

The AI Accelerate Boot Camp is designed to provide practical exposure to **Artificial Intelligence Foundations, AI Agentics, Automation, AI Application Development, AI Research, Productivity Tools, and AI Coding Assistants.**



2-Day Helicopter Design Workshop

Registration Link:

<https://forms.gle/KzayG1sqYBhy5nkA8>

Workshop Dates: 18th & 19th July 2026 (Saturday & Sunday)

Major Topics:

- Helicopters vs. Airplanes
- Main Components of Helicopter & Propulsion System
- Helicopter Configurations
- Helicopter Aerodynamics and Dynamics
- Helicopter Flight Controls
- Swash Plate Mechanism
- Rotor Blade Motions
- Momentum Theory and Rotor Performance
- Blade Element Theory (BET)

- Blade Element Momentum Theory (BEMT)
- Rotorcraft Inflow in Forward Flight
- Rotor Blade Optimisation and Tip Loss

Eligibility:

Students from **Class 11 onwards**, along with students from Universities, Colleges, Schools, Researchers, Faculty Members and Professionals.

Participation Fee: ₹490



3-Day Online AI Accelerate Boot Camp

Registration Link:

<https://forms.gle/BMqQbiJVV3RnKjJy7>

Mode: Online

Workshop Duration: 180 Minutes (3 Hours Daily)

Dates: 31st July, 1st & 2nd August 2026 (Friday – Sunday)

Timings: 05:00 PM – 08:00 PM (IST)

Boot Camp Modules:

1. Foundations of Artificial Intelligence
2. AI Agentics
3. Automation Workflows
4. Build AI Applications
5. Auto Research using AI
6. Excel & PowerPoint Bots
7. Codex & Claude Code
8. Notebook LM

Eligibility:

Students and individuals with an interest or background in Science, Engineering, Technology, Artificial Intelligence, Innovation, or related fields are encouraged to participate.

Participation Fee: ₹750

We look forward to your enthusiastic participation in these nationally focused skill development workshops.

सादर | **Regards,**

Bharat Space Education Research Centre

भारत अंतरिक्ष शिक्षा अनुसंधान केंद्र

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