



Fostering innovation for a brighter tomorrow

# HACKATHON

**SEASON 3**

**12<sup>th</sup> to 14<sup>th</sup>  
March 2026**

**Themes**

**SUSTAINABLE  
DEVELOPMENT  
GOALS  
VIKSIT BHARAT**

(Under Lead College Scheme of Shivaji University, Kolhapur)

**CASH PRIZE**

worth **₹2 Lakh**



Sant Dnyaneshwar Shikshan Sanstha's

**ANNASAHB DANGE COLLEGE  
OF ENGINEERING AND TECHNOLOGY, ASHTA**  
(An Empowered Autonomous Institute)

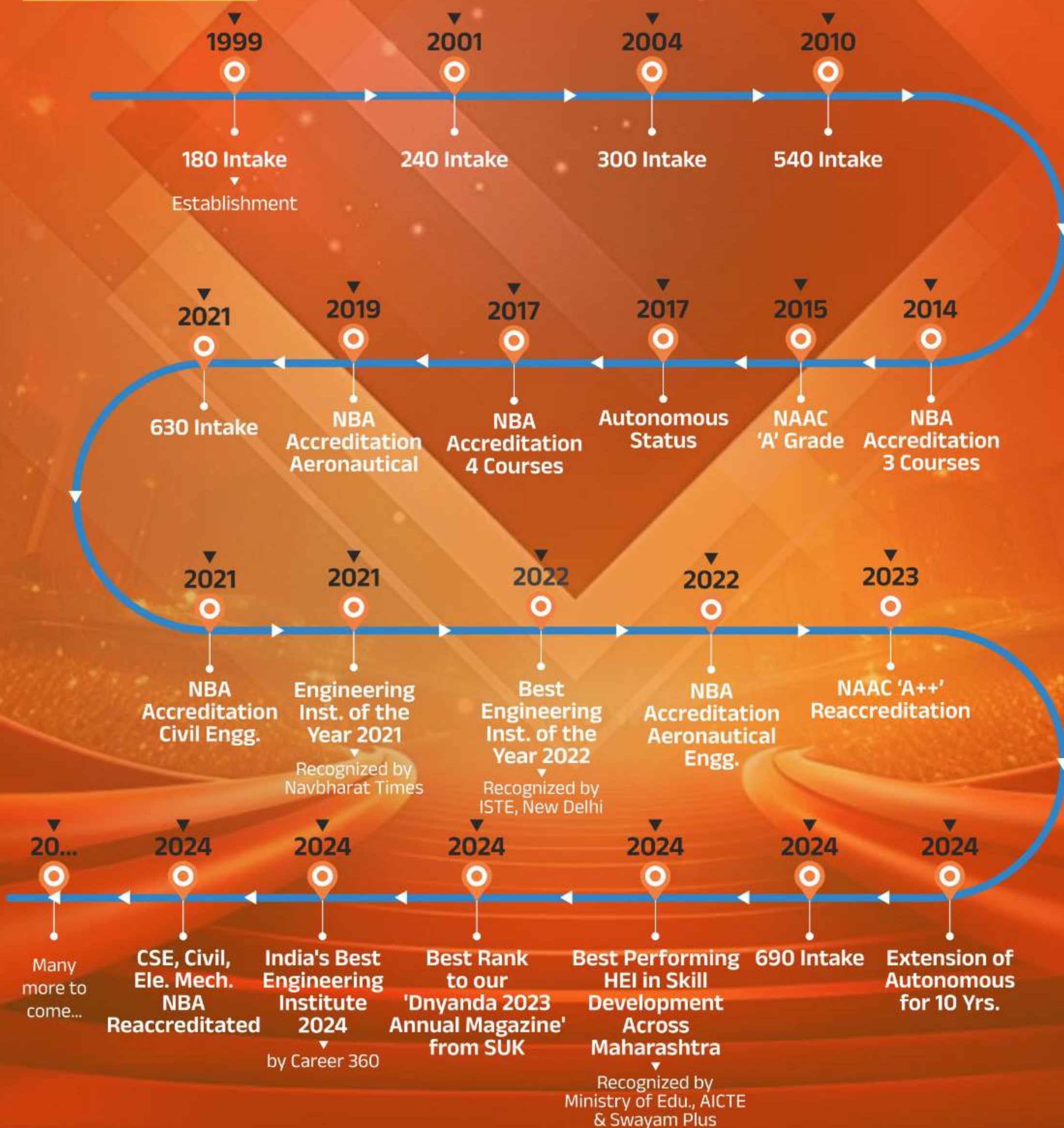




## About ADCET

The Annasaheb Dange College of Engineering and Technology (ADCET), Ashta is one of the Empowered Autonomous institutions of higher technical education in Western Maharashtra, distinguished by its compassion to produce engineers with competence for improving the human condition and building the nation. Established in 1999, ADCET, Ashta is an Autonomous institute affiliated to Shivaji University, Kolhapur, Maharashtra and approved by AICTE, New Delhi. The institute is NAAC accredited with "A++" grade, ISO 9001:2015 certified and runs eligible programmes accredited by NBA, New Delhi. The community and culture of ADCET, Ashta are enriched by active bright students, dedicated teachers, and commitment to impart quality education in Engineering.

## Institute Journey





We are thrilled to host ADCET Hackathon Season 3 at our institute — a platform where your creativity, technical skills, and collaborative spirit come together to address pressing challenges. This year, we emphasize the critical role of Sustainable Development Goals (SDGs) in shaping our hackathon themes and challenges. The SDGs, adopted by the United Nations, are a universal call to action to end poverty, protect the planet, and ensure prosperity for all. These goals serve as a roadmap for sustainable development and offer endless opportunities for technological innovation and impactful solutions

## Themes for Hackathon

### Software Section



#### ► Generative AI & Autonomous Systems

Develop intelligent software systems that can generate content, make decisions, and operate autonomously with minimal human intervention.



#### ► EdTech 5.0 – Personalized & Immersive Learning

Propose technology-driven learning solutions that adapt to individual learners using AI, analytics, and immersive technologies.



#### ► Quantum Computing Applications (Software Perspective)

Build software applications, simulators, or hybrid models that demonstrate real-world problem solving using quantum or quantum-inspired computing.



#### ► GameTech & Serious Games for Impact

Build games or interactive simulations aimed at education, training, awareness, and social or behavioural impact



#### ► Digital Twins for Industry & Infrastructure

Create virtual replicas of physical systems to monitor, simulate, optimize, and predict performance of industrial or infrastructure assets.



#### ► System Smart Supply Chain & Logistics Intelligence

Create data-driven software solutions to optimize logistics, forecasting, traceability, and supply chain efficiency



#### ► Digital Governance & e-Public Services

Develop digital platforms that enhance government service delivery, citizen engagement, transparency, and administrative efficiency



#### ► AR/VR Solutions

Develop immersive augmented or virtual reality applications for education, training, healthcare, industry, or social impact.



#### ► Blockchain Technology

Develop a secure, technology-enabled digital platform for creating, managing, and enforcing assured contractual agreements among stakeholders across diverse sectors



#### ► Cyber Security

Design and develop a comprehensive and extensible e-application fuzzing framework that automates the discovery and security testing of key web application components.



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## Themes for Hackathon

### Hardware Section



#### ▶ Smart Resource Optimization System

Design a hardware-based system to monitor and optimize the usage of energy, water, materials, or fuel in industrial, institutional, or domestic applications.



#### ▶ Assistive Technology for Health and Accessibility

Build a hardware-based assistive device supporting healthcare, elderly care, or differently-abled individuals.



#### ▶ Affordable Automation for Small-Scale Industries

Develop a low-cost automated or semi-automated hardware solution to improve productivity, quality, or safety in small-scale or cottage industries.



#### ▶ Smart Agriculture and Food Processing System

Design a hardware solution to enhance agricultural productivity, food processing efficiency, quality control, or storage.



#### ▶ Smart Safety and Monitoring Device

Create a hardware solution that enhances safety, security, or hazard detection in workplaces, laboratories, construction sites, or public environments.



#### ▶ Predictive Maintenance and Fault Detection

Develop a system capable of detecting faults or predicting maintenance requirements in machines, structures, or equipment.



#### ▶ Sustainable and Green Technology Solution

Design an eco-friendly hardware prototype focusing on renewable energy, waste reduction, recycling, or environmental monitoring.



#### ▶ Smart Mobility and Transportation Solution

Create an innovative hardware model to improve transportation safety, efficiency, or monitoring in ground or aerial systems



#### ▶ Smart Infrastructure and Built Environment

Develop a hardware-enabled system for smart buildings, smart campuses, roads, or infrastructure monitoring



#### ▶ Digital-Physical Integration for Business Applications

Design a hardware–software integrated solution for inventory management, logistics, operational tracking, or business process optimization.



## Important Dates & Deadlines

### Registration Deadline

**05 February 2026, 11:59 PM IST**

Final notification of selected ideas will send on

**26<sup>th</sup> February 2026 to the respective groups.**

#### Software Section

##### Final Round

12<sup>th</sup> March 2026 & 13<sup>th</sup> March 2026

#### Hardware Section

##### Final Round

12<sup>th</sup> March to 14<sup>th</sup> March 2026

#### Software Section

##### Prizes



**Winner**

**₹50000/-**



**Runner Up**

**₹30000/-**



**2nd Runner Up**

**₹20000/-**

#### Hardware Section

##### Prizes



**Winner**

**₹50000/-**



**Runner Up**

**₹30000/-**



**2nd Runner Up**

**₹20000/-**

Registration Fees for first round: Nil

Registration fees for Final Round:

- Software Edition: Rs 200/- Per Student
- Hardware Edition: Rs. 300/- Per Student
- Team Size: One Team can consist of 4 - 5 Members  
(At least one girl student should be a team member from any department).
- Team members can be from same institute or multiple institute, provided that permission letter from all the institutes is required while registering.

## ▲ Hackathon Rules & Guidelines

### 1 General Rules

- Each team is allowed to submit only one Idea.
- Participants must strictly follow the Code of Conduct provided by the organizers and Unstop platform.
- Teams are encouraged to develop projects entirely during the hackathon duration.
- For software Edition, if a team uses re-used code or re-submits a project previously submitted in another hackathon, the previous usage and its extent must be clearly disclosed during submission.

### ▲ IPR:

Intellectual Property (IP) of the developed product shall be jointly owned by:

- 1 The developing team and
  - 2 The sponsoring industry (if any) and
- The organizers reserve the right to use project details for academic, promotional, or research purposes with due credit.
  - Teams must clearly disclose any pre-existing intellectual property (code, libraries, hardware modules, designs, patents, or copyrighted material) used in their project.
  - Teams are responsible for protecting their own confidential information.
  - Organizers, judges, and mentors are not responsible for maintaining confidentiality of ideas disclosed during presentations or demonstrations.
  - Teams should avoid sharing sensitive or patent-pending information unless adequately protected.

- ▲ At least one team member must be present at the team desk at all times during the final round.

### 2 Project Development Rules

- All projects must be developed from scratch during the hackathon.
- Teams must strictly follow the assigned problem theme.
- A working prototype/ product must be presented at the end of the hackathon.
- Teams may use open-source libraries and tools.
- Any use of pre-built templates must be explicitly disclosed during the final presentation.
- In the event of any changes to the rules or policies, the decision of ADCET shall be final and binding.

### 3 Hardware & Resource Guidelines

- Participants may use off-the-shelf hardware such as:
  - Arduino
  - Raspberry Pi
  - Sensors, modules, etc.
- Teams must bring their own hardware components; organizers will not provide additional hardware components.
- A basic prototyping kit (breadboards, jumper wires, etc.) may be available in limited quantity.
- Teams must carry their own laptops and computing resources.
- The organizers will provide:
  - Casting and testing facilities (Civil Engg.)
  - Workshop facilities
  - Power supply
  - Internet connectivity



## PLATINUM

SPONSORSHIP

₹1,00,000/-

### Prominent Brand Visibility :

- Your logo prominently displayed on all event marketing materials, including the event website, banners, and promotional materials.
- Acknowledgment in press releases.

### Exclusive Benefits :

- Opportunity to host a keynote session or workshop during the event.
- Access to a dedicated booth space in the exhibition area.
- Access for 2 representatives to all event activities.

### Digital Exposure :

- Extensive social media promotion with dedicated posts recognizing your support.
- Your Large Size logo and link on our event website's sponsor section and all certificates.

## GOLD

SPONSORSHIP

₹50,000/-

### Prominent Brand Visibility :

- Logo placement on event marketing materials, including the event website, banners, and promotional materials.
- Acknowledgment in press releases.

### Exclusive Benefits :

- Opportunity to host a breakout session during the event.
- Access to a booth space in the exhibition area.

### Digital Exposure :

- Social media mentions recognizing your support.
- Your Medium Size logo and link on our event website's sponsor section and all certificates.

## SILVER

SPONSORSHIP

₹25,000/-

### Brand Visibility :

- Logo placement on event marketing materials, including the event website.
- Acknowledgment in press releases.

### Benefits :

- Access to a booth space in the exhibition area.

### Digital Exposure :

- Social media mentions recognizing your support.
- Your Medium Size logo and link on our event website's sponsor section and all certificates.

## BRONZE

SPONSORSHIP

₹15,000/-

### Brand Visibility :

- Logo placement on the event website.

### Benefits :

- Access to a booth space in the exhibition area

### Digital Exposure :

- Social media mentions recognizing your support.
- Your Small Size logo and link on our event website's sponsor section and all certificates.