



JNTUH UNIVERSITY COLLEGE OF ENGINEERING SULTANPUR

Sultanpur (Vill), Pulkal (Mdl), Sangareddy (Dist) – 502273, Telangana (India)

Web: www.jntuhces.ac.in E-Mail: principaljntuhces@jntuh.ac.in principaljntuhces@gmail.com

Dr.S.VISWANADHA RAJU

M.Tech (CS), Ph. D. (CSE)

Senior Professor of CSE &

PRINCIPAL

Activities report for the month of August- 2026

S.No	Date	Name / Title of the Programme / Activity	Organized / Conducted by	Type of Activity	Page No
1	15-08-2026	Independence Day Celebrations	Admin	Celebrations	2-3
2	03-08-2026	Inauguration of EMEC (Eternal Mechanical Engineers Club)	Dept. of ME	Inauguration	4-7
3	04-08-2026	Campus Recruitment Training (CRT)	T&P Cell	Seminar	8-12
4	17-08-2026	A One-Day Workshop on Advanced AI & Emerging Technologies.	T&P Cell	Workshop	13-17
5	18-08-2026	10000 Coders Placement Drive	T&P Cell	Placement Drive	18-20
6	5 th & 6 th -08-2026	DroneXplore – Fundamentals, Simulation and Autonomous UAV Systems	IIC	Workshop	21-27
7	14-08-2026	Using AI for Fundraising & Investor Pitch Preparation	IIC	Seminar	28-30
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10	25-08-2026	Initiative & Programmes to Support Innovation in higher Educational Institutions (HEIs) , Atal Innovation Mission, NITI Aayog	IIC	MIC Driven Activity	38-43
11	21-08-2026	The Launch of Internal Smart India Hackathon 2026	SIP	Inauguration	44-49

Report on Independence Day Celebrations

JNTUH University College of Engineering, Sultanpur (JNTUH UCES) celebrated **Independence Day on 15th August 2026** with great enthusiasm and patriotic spirit.

The programme was organized to commemorate the **80th Independence Day of India** and to remind students and staff of the sacrifices made by our freedom fighters and the responsibilities of every citizen towards the nation.

The celebrations included the **flag hoisting ceremony**, followed by speech by the principal. Faculty members, staff, and students actively participated in the programme.

The event emphasized the importance of **unity, integrity, discipline, patriotism, and social responsibility** among students. The celebrations concluded with a vote of thanks to all the participants and organizers.



The programme was conducted successfully with active participation and contributed to fostering a sense of national pride and responsibility among the students.



Department of Mechanical Engineering

Inauguration of EMEC (Eternal Mechanical Engineers Club) on 03-08-2026:



Event Title : Inauguration of EMEC (Eternal Mechanical Engineers Club)

Date of Event : 3rd August 2026

Participants : B.Tech Mechanical Engineering 2nd & 3rd Year Students

Organized By : Department of Mechanical Engineering

- Student Lead : Chakra Teja Aerolla, Sathvika
- Objective of the Programme :
- **For Students:** Provides hands-on exposure, enhances project building capabilities, improves professional communication skills, and builds strong technical portfolios for placement and higher education.
 - **For the Department:** Fosters a continuous learning and research culture, increases student-led project outputs, and boosts participation in inter-collegiate technical competitions.
 - **For the College:** Enhances campus innovation culture, creates higher placement opportunities, and elevates institutional reputation at state and national levels.

The Department of Mechanical Engineering at JNTUH UCES inauguration of **EMEC (Eternal Mechanical Engineers Club)** on August 3, 2026. Recognizing the critical need for a practical, student-driven technical platform, the club was formally launched through a dedicated orientation and inaugural presentation attended by 2nd and 3rd-year B.Tech students, department faculty, and college administrators.



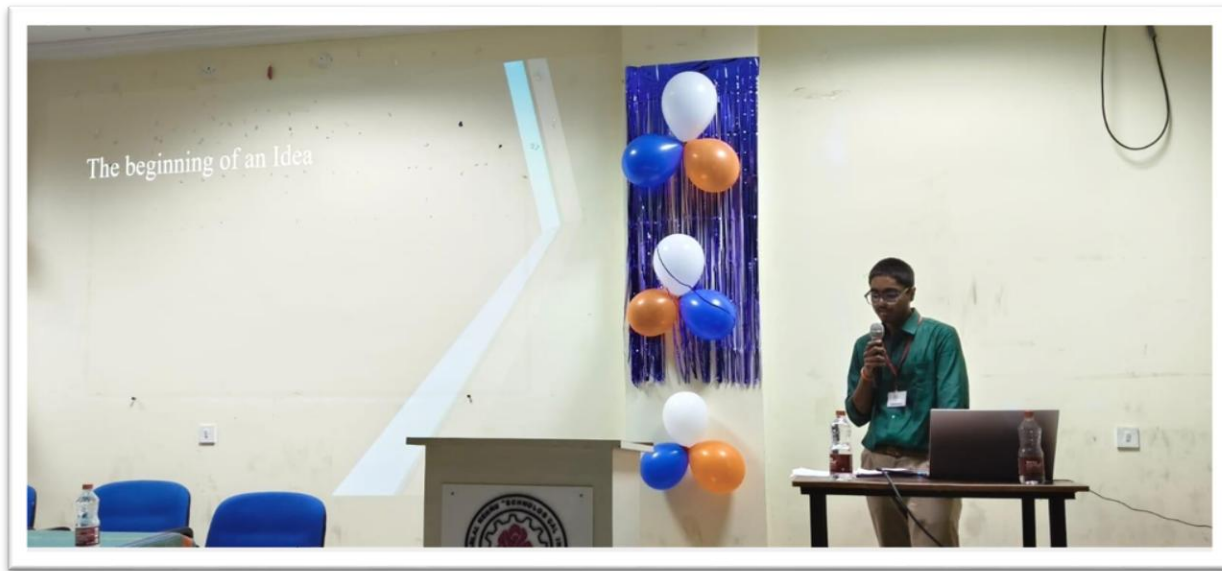
The launch event aimed to introduce the newly structured **EMEC Ecosystem**, designed to bridge the gap between classroom theory and practical industrial applications through



student-led initiatives, technical workshops, project development, and national-level competitions.

Structure & Framework of the EMEC Ecosystem: During the event presentation, the core structure of EMEC was unveiled, consisting of a 3-Tiered Framework: FORGE, FUSION, and APEX.

- **Tier 1: FORGE (Learn Skills):** Hands-on foundational learning across four specialized student clubs:
 - **SKETCHX (CAD & Design Club):** 2D Drafting, 3D CAD Modeling, Simulation (FEA/CFD), and 3D Printing / Prototyping.
 - **ROBOTICS CLUB:** Arduino, Microcontrollers, Sensors, Actuators, Raspberry Pi, ROS, and System Integration.
 - **AUTOMATION & INNOVATION CLUB:** Mechanical Automation, Smart Manufacturing (Industry 4.0), Automotive Technologies, AI/IoT integration, and Sustainable Engineering.
 - **RESONANCE (Communication & Leadership Club):** Public Speaking, Technical Presentations, Group Discussions, Interview Skills, and Event Hosting.



- **Tier 2: FUSION (Build & Prototype):** Project-building ecosystem where knowledge acquired in FORGE clubs is converted into functional prototypes, research papers, and real-world engineering solutions through team collaboration.



- **Tier 3: APEX (Compete & Represent):** Platforms to showcase innovations at national /international technical expos, hackathons, Smart India Hackathon (SIH), SAE competitions, and research conferences.

TRAINING AND PLACEMENT CELL

➤ **Campus Recruitment Training (CRT) Programme** **on 04-08-2026:**

The poster is for the JNTUH University College of Engineering Sultanpur Training and Placement Cell. It features the university's logo in the top left corner, which includes a gear and a rose, with the text 'JNTUH UNIVERSITY COLLEGE OF ENGINEERING SULTANPUR' and 'HYDERABAD' below it. The main title 'TRAINING AND PLACEMENT CELL' is in large, bold, blue letters, followed by 'Campus Recruitment Training (CRT) Programme' in a stylized red font. The date '04 August 2026' is prominently displayed in a blue box with a calendar icon. Below this, a red box indicates 'WHO SHOULD ATTEND' and 'B.Tech - IV Year Students'. A section titled 'PROGRAMME HIGHLIGHTS' lists seven activities: Aptitude Training, Logical Reasoning, Verbal Ability, Resume Preparation, Group Discussion Techniques, Personal Interview Skills, and Professional Communication, each with a corresponding icon. At the bottom, a target icon with an arrow in the bullseye is next to the text 'PREPARE. PRACTICE. PERFORM. SUCCESS STARTS HERE!' and three bullet points: '★ Stronger Skills', '★ Greater Confidence', and '★ Better Placements'.

JNTUH UNIVERSITY COLLEGE OF ENGINEERING SULTANPUR

TRAINING AND PLACEMENT CELL

Campus Recruitment Training (CRT)

Programme

on

04 August 2026

WHO SHOULD ATTEND

B.Tech - IV Year Students

PROGRAMME HIGHLIGHTS

- Aptitude Training
- Logical Reasoning
- Verbal Ability
- Resume Preparation
- Group Discussion Techniques
- Personal Interview Skills
- Professional Communication

PREPARE. PRACTICE. PERFORM.

SUCCESS STARTS HERE!

★ Stronger Skills ★ Greater Confidence ★ Better Placements

The Training and Placement (T&P) Cell organized a **Campus Recruitment Training (CRT) Programme on 04 August 2026** with the primary objective of preparing students for campus recruitment drives and enhancing their overall employability. The programme was designed to bridge the gap between academic learning and industry expectations by providing structured training in aptitude, communication, problem-solving, and interview skills.

Objectives of the Programme:

The programme aimed to equip students with the essential skills and confidence required to successfully navigate various stages of the campus recruitment process. The key objectives included:

- Strengthening **Quantitative Aptitude, Logical Reasoning, and Verbal Ability** skills.
- Enhancing students' **problem-solving and analytical thinking abilities**.
- Providing guidance on **resume preparation and professional presentation**.
- Developing effective **Group Discussion (GD) and Personal Interview (PI)** skills.
- Improving **professional communication, confidence, and interpersonal skills**.
- Familiarizing students with recruitment procedures and the expectations of prospective employers.
- Developing **time management, accuracy, and speed** while attempting recruitment assessments.



Training Activities:

The training sessions were conducted in an interactive and practice-oriented manner. Students were engaged through a combination of structured classroom sessions, practice exercises, aptitude tests, mock interviews, and group discussions.

Particular emphasis was placed on solving aptitude and reasoning problems within stipulated time limits, enabling students to improve their speed and accuracy. Students were also guided on preparing effective resumes and presenting their academic and technical strengths appropriately.

Mock interview sessions and group discussions provided students with opportunities to practice real-world recruitment scenarios. These activities helped them identify areas for improvement



while developing confidence, communication skills, professional etiquette, and the ability to express their ideas effectively.

Student Participation and Response:

Students actively participated throughout the programme and demonstrated considerable enthusiasm during the various training activities. The practical approach adopted during the sessions enabled participants to understand the requirements of different recruitment stages and assess their own strengths and areas requiring further development.

The programme also provided valuable insights into the selection procedures followed by leading companies and the skills expected from prospective candidates. Through continuous practice and

interaction, students were encouraged to improve their analytical abilities, communication skills, confidence, and overall professional preparedness.



Outcomes of the Programme:

The Campus Recruitment Training Programme significantly contributed to enhancing students' **placement readiness and employability skills**. The programme enabled students to:

- Strengthen their fundamental concepts through systematic training and practice.
- Improve their **speed, accuracy, and analytical thinking**.
- Develop better **communication and interpersonal skills**.
- Gain confidence in participating in **Group Discussions and Personal Interviews**.
- Understand the importance of an effective and professional **resume**.
- Become familiar with different stages of the **campus recruitment process**.
- Develop greater awareness of **professional etiquette and industry expectations**.

The **Campus Recruitment Training (CRT) Programme** was successfully conducted by the **Training and Placement Cell** as part of its continuous efforts to enhance students' employability and facilitate better placement opportunities. The programme provided students with a structured platform to strengthen their technical and soft skills while gaining practical exposure to recruitment processes.

Report on

- One-day workshop on **"ADVANCED AI & EMERGING TECHNOLOGIES"** on **17-08-2026:**



JNTUH UNIVERSITY COLLEGE OF ENGINEERING SULTANPUR
SULTANPUR(V), PULKAL(M), SANGAREDDY(D), TELANGANA-502273, INDIA

TRAINING AND PLACEMENT CELL

ONE-DAY WORKSHOP ON
ADVANCED AI & EMERGING TECHNOLOGIES

WHO SHOULD ATTEND?

 IV B.Tech CSE & CSE (AI&ML) Students

 **DATE**
17-08-2026
(MONDAY)

 **TIME**
10:00 AM Onwards

 **VENUE**
Seminar Hall,
JNTUH UCE Sultanpur

KEY TOPICS COVERED

 Advanced AI Tools & Industry Applications

 Prompt Engineering for Large Language Models (LLMs)

 AI Automation & Agentic AI

 n8n Workflow Automation

 No-Code & Low-Code Development

 AI Productivity & Business Automation Tools

 API Integration & AI-Powered Workflows

 Building AI Projects with Practical Demonstrations

 Latest IT Industry Trends & Hiring Expectations

 Career Roadmap in AI, Software Development & Automation

CONVENOR
Dr. S. Viswanadha Raju,
Senior Professor of CSE &
Principal – JNTUH UCES

CO-CONVENOR
Dr. Y. Raghavender Rao,
Professor of ECE &
Vice-Principal – JNTUH UCES

CO-ORDINATOR
Dr. M. Shailaja,
Professor of ME & TPO
JNTUH UCES

Date & Time : 17-08-2026 & 10.00 AM

Resource Persons : Mr. Suresh Bodhas
Mr. Chandra Mouli
Mr. Sree Krishna

Number of
Students : 82

Registered
Number of
Students : 65

Participants

Objective : To providing awareness and practical exposure to the latest developments in Artificial Intelligence, automation, emerging technologies, and their applications in the industry.

Eligible Students : IV B.Tech – ECE, CSE and CSE (AI&ML)

The session
focused on :

- Advanced AI Tools and Industry Applications
- Prompt Engineering for Large Language Models (LLMs)
- AI Automation and Agentic AI

- n8n Workflow Automation
- No-Code and Low-Code Development
- AI Productivity and Business Automation Tools
- API Integration and AI-Powered Workflows
- Building AI Projects with Practical Demonstrations
- Latest IT Industry Trends and Hiring Expectations
- Career Roadmap in AI, Software Development and Automation

The Training & Placement Cell of JNTUH University College of Engineering Sultanpur organized the One-Day Workshop on “**Advanced AI & Emerging Technologies**” on 17-08-2026. The programme was aimed at providing students with exposure to the latest developments in Artificial Intelligence and emerging technologies and their applications in the IT industry.



The workshop focused on equipping students with the knowledge and skills required to meet the changing requirements of the IT industry and to improve their employability and career readiness. The sessions were conducted with a practical and industry-oriented approach. Students were exposed to advanced AI tools, automation platforms, Large Language Models, API



integration, AI-powered workflows, and practical AI project development. The demonstrations helped students understand the application of these technologies in real-world scenarios.

The workshop also highlighted the latest IT industry trends and hiring expectations. Students were encouraged to continuously upgrade their technical and professional skills, explore emerging technologies, undertake practical projects, and develop competencies required for successful careers in the IT sector.

The sessions were designed with a practical and industry-oriented approach, enabling students to understand the application of AI tools and emerging technologies in real-world scenarios. The practical demonstrations and discussions helped the students gain better insight into the use of AI-powered tools, automation platforms, APIs, and Large Language Models for developing innovative solutions.

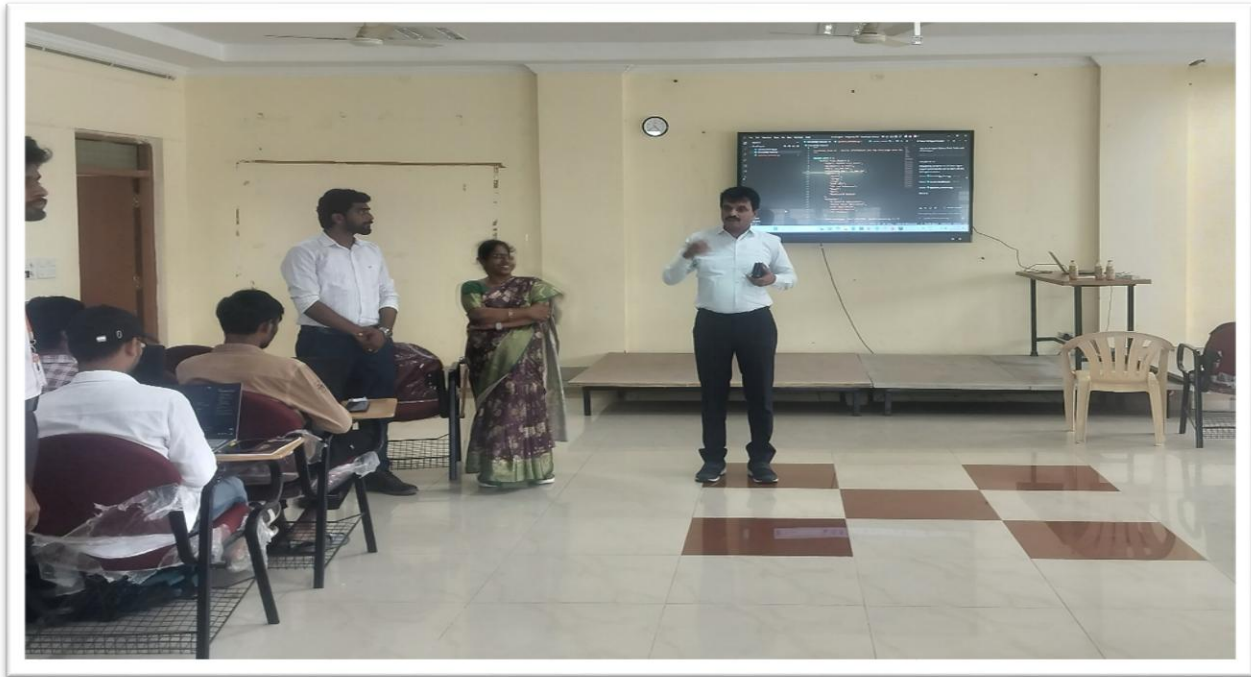
➤ **The major objectives of the workshop were:**

- To create awareness about the latest developments in Artificial Intelligence and emerging technologies.
- To introduce students to advanced AI tools and their applications in industry.
- To provide an understanding of **Prompt Engineering and Large Language Models (LLMs)**.
- To familiarize students with **AI Automation and Agentic AI**.
- To demonstrate **n8n workflow automation** and other productivity tools.
- To introduce students to **No-Code and Low-Code Development**.
- To provide exposure to API integration and AI-powered workflows.
- To enable students to understand the process of developing AI-based projects through practical demonstrations.
- To create awareness regarding current IT industry trends and hiring expectations.
- To guide students in developing a career roadmap in AI, software development, and automation.



➤ **Outcomes of the Workshop:**

The workshop provided students with valuable exposure to contemporary AI technologies and their applications in the IT industry. The practical orientation of the programme helped students understand how AI tools, automation platforms, APIs, LLMs, and emerging development approaches can be utilized for solving real-world problems.



The programme also enhanced students' awareness of the changing requirements of the IT industry and the importance of continuously upgrading their technical and professional skills. The sessions on AI-based career opportunities and industry hiring expectations helped students gain better understanding of career pathways in **Artificial Intelligence, Software Development and Automation**.

The One-Day Workshop on “**Advanced AI & Emerging Technologies**” served as a valuable platform for students to understand the growing importance of Artificial Intelligence and emerging technologies in the present employment scenario. The knowledge and practical exposure gained through the programme are expected to contribute towards enhancing the students' technical competencies, industry readiness, employability, and career prospects.

Report on **10000 Coders Placement Drive- 2026**

Date: 18 August 2026



The Training and Placement Cell of JNTUH University College of Engineering Sultanpur organized a campus placement drive in association with 10000 Coders on **18th August 2026** for B.Tech IV year students of all branches.



Eligible students from all branches of B.Tech participated in the recruitment process. The selection procedure included appropriate screening and interview rounds as prescribed by the company.



A total of 82 students registered for the drive. Eligible students from all branches of B.Tech participated in the recruitment process.

The selection procedure consisted of the following rounds:

- **Round 1:** Group Discussion (GD)
- **Round 2:** Technical Interview and HR Interview

Out of 82 registered students, **40 students cleared the Group Discussion round.** After completion of the final round, **13 students** were selected.

The following students were selected:

S.No	Name of the Students	Roll Number	Branch	Year
1.	Konam Venkat asrith	23SS1A0535	CSE	IV
2.	Shaik Abbu Sofiyan	23SS1A0555	CSE	IV
3.	Amrutha Pawar	23SS1A0549	CSE	IV

4.	Vaishnavi Gurramkonda	23SS1A0564	CSE	IV
5.	Chaduvula Mithil Reddy	23SS1A0513	CSE	IV
6.	Mara Niveditha	23SS1A0541	CSE	IV
7.	Lode Sankeerthana	23SS1A0539	CSE	IV
8.	Rachuri Anil Kumar	23SS1A0551	CSE	IV
9.	A.Snehith Harsha	23SS1A6602	CSE – AIML	IV
10.	K. Khyathi Priya	23SS1A6624	CSE – AIML	IV
11.	Tekumalla Manisha	24SS5A6607	CSE – AIML	IV
12.	Srividya	23SS1A6629	CSE – AIML	IV
13.	Golla Mythri	23SS1A6619	CSE – AIML	IV

The placement drive was conducted smoothly with the coordinated efforts of the Training and Placement Cell and concluded successfully.

The objective of the drive was to provide placement opportunities to students in the IT and software domain and to enhance their employability skills through industry-oriented recruitment.



INSTITUTION'S INNOVATION COUNCIL (IIC)

Report on

➤ A Two-Day Hands-on Workshop on DroneXplore on 06-08-2026:



The poster for the DroneXplore workshop features logos for JNTUH UCES, IIC, JTBI, Ministry of Education, AICTE, and MoE's Innovation Cell. The title 'DroneXplore' is prominently displayed in green, with the subtitle 'Fundamentals, Simulation and Autonomous UAV Systems' below it. The workshop is organized by IIC JNTUH UCES & JTBI. It is a 2-day hands-on workshop with sessions on UAV technology, simulation, navigation, and real-flight experience. The poster includes a detailed schedule for Day 1 and Day 2, listing topics like flight mechanics, waypoint mission planning, and autonomous navigation. It also mentions the dates (5th & 6th August 2026), venue (JNTUH UCES, Sultanpur), and the goal of providing an E-Certificate to all participants. The bottom of the poster has the tagline 'EXPLORE. LEARN. SIMULATE. FLY. INNOVATE.' and a note about being part of the future of Autonomous UAV Systems.

JNTUH UNIVERSITY COLLEGE OF ENGINEERING SULTANPUR
(Constituent College of JNTU Hyderabad)
Sultanpur (V), Chevutur (M), Sangareddy (D) – 502 273, Telangana

Organized by
IIC JNTUH UCES & JTBI

DroneXplore
Fundamentals, Simulation and Autonomous UAV Systems

A 2-DAY HANDS-ON WORKSHOP

Learn from Experts | Hands-on Simulation | Autonomous Navigation | Real-flight Experience | Industry Insights

DAY-1

SESSION-1 10:00 AM – 1:00 PM
Advances in UAV Technology: Fundamentals, Applications, and Industry Landscape
✓ Flight mechanics & fundamentals of flight
✓ Use cases and UAV Ecosystem
✓ Technology Trends: Anti-drone systems & Drone Swarms

SESSION-2 2:00 PM – 5:00 PM
Hands-on Session with UAV Simulation
✓ Waypoint mission Planning for UAVs
✓ Simulation of UAV flight mission

DAY-2

SESSION-1 10:00 AM – 1:00 PM
The Good, The Bad & The Ugly: The Optimal Positioning for Autonomous Navigation of UAVs
✓ Navigation, Guidance & Control Principles
✓ GNSS/INS Integration
✓ Computer Vision and SLAM based techniques

SESSION-2 2:00 PM – 5:00 PM
Hands-on Real-flight Experience with Multi-rotor UAV

DATES 5th & 6th August 2026
VENUE JNTUH UCES, Sultanpur
E-CERTIFICATE for all Participants

EXPLORE. LEARN. SIMULATE. FLY. INNOVATE.

Be a part of the future of Autonomous UAV Systems!

Title of the Activity : DroneXplore – A Two-Day Hands-on Workshop on Fundamentals, Simulation and Autonomous UAV Systems

Date : 5th & 6th August 2026

Organized By :

- Institution's Innovation Council (IIC)
- JNTUH Technology Business Incubator (JTBI)

No of Participants : 429

Objective of the Programme : The primary objective of the workshop was to introduce students to the rapidly evolving field of Unmanned Aerial Vehicles (UAVs) and provide them with practical exposure to drone technologies. The programme aimed to bridge the gap between theoretical concepts and industry practices by offering hands-on experience in drone simulation, autonomous navigation, and real-flight operations. It also encouraged innovation, entrepreneurship, and

research in emerging drone technologies.

Key Learning Outcomes

- :
- Understand the fundamentals of UAV technology.
 - Learn the principles of drone flight mechanics.
 - Gain hands-on experience in UAV simulation.
 - Develop skills in waypoint mission planning.
 - Understand autonomous navigation techniques.
 - Learn INS-GPS integration and computer vision concepts.
 - Gain knowledge of SLAM-based mapping.
 - Experience real-time drone flight operations.
 - Understand industrial applications of UAV technology.
 - Explore career opportunities and entrepreneurship in the drone ecosystem.

A two-day intensive hands-on workshop titled "**DroneXplore – Fundamentals, Simulation and Autonomous UAV Systems**" was successfully organized by the Institution's Innovation Council (IIC) and JNTUH Technology Business Incubator (JTBI) at JNTUH University College of Engineering Sultanpur on **5th and 6th August 2026**.



Day-1 Activities (05-08-2026)

Session-I (10:00 AM – 1:00 PM)

Advances in UAV Technology: Fundamentals, Applications and Industry Landscape

The inaugural technical session focused on introducing the fundamentals of UAV technology. The experts explained:

- Basics of UAVs and Drone Technology
- Flight Mechanics and Principles of Flight
- Components and Architecture of Drones
- UAV Applications across various industries
- Emerging trends in Drone Technology
- Drone Ecosystem and Industry Landscape
- Anti-Drone Systems
- Drone Swarm Technologies
- Career Opportunities in the Drone Sector



Participants gained a comprehensive understanding of drone technologies and their growing importance in agriculture, defence, disaster management, infrastructure inspection, logistics, surveillance, mapping, and smart city applications.

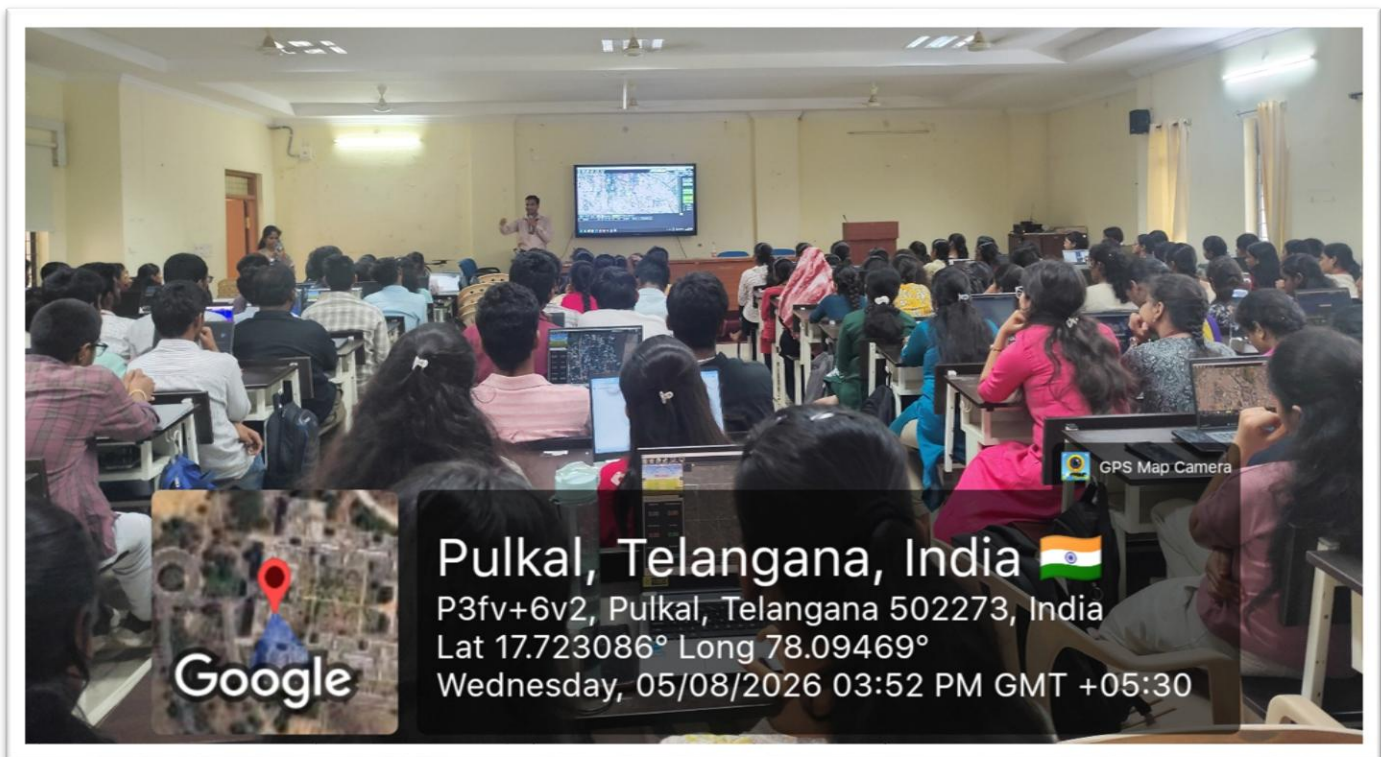
Session-II (2:00 PM – 5:00 PM)

Hands-on Session with UAV Simulation

The afternoon session provided practical exposure using professional UAV simulation software.

Students were trained in:

- UAV Mission Planning
- Waypoint Mission Programming
- Flight Simulation
- Autonomous Navigation
- Flight Path Monitoring
- Virtual Drone Operations
- Mission Execution and Analysis



The simulation-based learning enabled students to understand flight planning, navigation accuracy, and autonomous drone control in a safe virtual environment.

Day-2 Activities (06-08-2026)

Session-I (10:00 AM – 1:00 PM)

Autonomous Navigation and Intelligent UAV Systems

The second day began with advanced technical sessions covering:

- Navigation, Guidance and Control Principles
- INS-GPS Integration
- Autonomous Flight Systems
- Computer Vision Techniques
- SLAM (Simultaneous Localization and Mapping)
- Sensor Integration
- Real-time Mapping Technologies
- Intelligent UAV Applications

Experts demonstrated how artificial intelligence and computer vision are integrated with UAV systems for autonomous operations and precision navigation.



Session-II (2:00 PM – 5:00 PM)

Hands-on Real Flight Experience

The highlight of the workshop was the live drone flying session.

Participants received practical training on:

- Drone Pre-flight Inspection
- Flight Safety Procedures
- Drone Take-off and Landing
- Manual Flight Operations
- Autonomous Flight Modes
- Flight Controller Operations
- Battery Management
- Emergency Flight Procedures
- Live Flight Demonstrations



Students were provided an opportunity to operate multi-rotor UAVs under the supervision of certified drone experts, enabling them to gain valuable real-world flying experience.



The programme was successfully conducted with active participation from students and faculty members. The workshop effectively achieved its objective of providing practical exposure to UAV technologies and fostering innovation among engineering students. Participants appreciated the interactive sessions, live demonstrations, and real-flight experience.

At the conclusion of the programme, **E-Certificates were awarded to all participants** in recognition of their successful completion of the workshop.

Report on

➤ A workshop on “USING AI FOR FUNDRAISING & INVESTOR PITCH PREPARATION” on 14-08-2026

JNTUH UNIVERSITY
COLLEGE OF ENGINEERING
SULTANPUR
Sultanpur, Sangareddy,
Telangana - 502273

INSTITUTE'S INNOVATION COUNCIL
(Ministry of Education Initiative)

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

IIC ACTIVITY
Workshop on
Using AI for Fundraising & Investor Pitch Preparation

Explore how Artificial Intelligence is transforming fundraising strategies and helping startups create compelling investor pitches.

KEY TAKEAWAYS

- ✓ AI Tools for Fundraising
- ✓ Building Winning Investor Pitch Decks
- ✓ Startup Funding Strategies
- ✓ AI-Powered Business Storytelling
- ✓ Live Demonstration & Expert Interaction

DATE
14-08-2026
(Friday)

TIME
03:00 - 04:00 PM

VENUE
Seminar Hall
JNTUH UCE Sultanpur

RESOURCE PERSON
Dandla Sai Kumar
Data Scientist 2 in
MENA Science
at Amazon Science

WHO CAN ATTEND?

- Students
- Faculty Members
- Aspiring Entrepreneurs
- Startup Enthusiasts
- Innovation & Incubation Teams

Organized by
INSTITUTION'S INNOVATION COUNCIL (IIC)
JNTUH UNIVERSITY COLLEGE OF ENGINEERING SULTANPUR

www.jntuhces.ac.in

#IIC #Innovation #Startups #AI

Date & Time : 14-08-2026 & 03:00 PM – 04:00 PM

Resource Persons : **Mr. Dandla Sai Kumar,**
Data Scientist 2, MENA Science at Amazon Science

No of Students
Attended : 110

Objective : To creating awareness among students, faculty members, aspiring entrepreneurs, startup enthusiasts, and innovation and incubation teams about the application of Artificial Intelligence in fundraising and investor pitch preparation.

Beneficiaries :

- Students
- Faculty members
- Aspiring entrepreneurs
- Startup enthusiasts
- Innovation and incubation teams

The session focused on : How emerging AI tools and techniques can assist startups and aspiring entrepreneurs in developing effective fundraising strategies, preparing compelling investor pitch decks, and communicating their business ideas more effectively.

The Institution's Innovation Council (IIC), JNTUH University College of Engineering Sultanpur, organized a virtual workshop titled "Using AI for Fundraising & Investor Pitch Preparation" on 14 August 2026 from 03:00 PM to 04:00 PM.

❖ Proceedings of the Workshop:

The virtual workshop commenced with an introduction to the theme and the importance of Artificial Intelligence in the contemporary startup ecosystem. The resource person explained how AI can support entrepreneurs at different stages of fundraising and investor communication.

The session covered the use of AI tools for **fundraising**, including ways in which AI can help entrepreneurs structure information, identify relevant insights, and improve the quality of their communication with potential investors.

A significant part of the workshop focused on **building winning investor pitch decks**. The participants were introduced to the importance of presenting a startup's problem statement, proposed solution, market opportunity, business model, competitive advantage, and growth potential in a clear and convincing manner.

The resource person also discussed **startup funding strategies** and emphasized the importance of understanding investor expectations while preparing a fundraising proposal. The role of AI-powered tools in developing a coherent and engaging **business story** was also highlighted.

The session further included practical insights and interaction related to the use of AI in investor pitch preparation. Participants were encouraged to explore AI-based approaches for improving the presentation, structure, and effectiveness of their entrepreneurial ideas.

❖ Key Takeaways:

The major takeaways from the workshop included:

1. **AI Tools for Fundraising** – Understanding how Artificial Intelligence can assist entrepreneurs in fundraising-related activities.
2. **Building Effective Investor Pitch Decks** – Learning the essential elements required for preparing a compelling pitch for investors.

3. **Startup Funding Strategies** – Gaining awareness of different approaches to startup fundraising and investor engagement.
4. **AI-Powered Business Storytelling** – Understanding how AI can help communicate business ideas in a structured and engaging manner.
5. **Investor Communication** – Recognizing the importance of clarity, data, storytelling, and effective presentation while pitching a startup.
6. **Practical Application of AI** – Encouraging participants to integrate AI tools into innovation, entrepreneurship, and startup development activities.

❖ **Major Objective:**

- To create awareness about the potential of Artificial Intelligence in fundraising activities.
- To introduce participants to AI-assisted approaches for preparing effective investor pitch decks.
- To explain strategies for approaching startup funding opportunities.
- To demonstrate the role of AI in business storytelling and communicating startup ideas.
- To encourage students and aspiring entrepreneurs to leverage emerging technologies for innovation and entrepreneurship.
- To provide practical insights into investor pitch preparation and startup development.

❖ **Outcome of the Programme**

The workshop successfully created awareness about the growing role of Artificial Intelligence in the startup and innovation ecosystem. It helped participants understand how AI can be used not only as a technological solution but also as a supporting tool for **fundraising, business communication, investor pitch preparation, and entrepreneurial storytelling**. The session encouraged participants to explore innovative ways of using AI for developing and presenting their startup ideas. The practical orientation of the programme also helped bridge the gap between technological capabilities and their application in entrepreneurship and innovation.

➤ **A brief report on the World Entrepreneurship Day-2026
on 21 August 2026:**

The poster is for the World Entrepreneurs' Day 2026 event. At the top, it features logos for the Institution's Innovation Council (Ministry of HRD Initiative), AICTE, the Ministry of Education, MHRD's Innovation Cell (Government of India), and Telangana Rising. The central text reads "WORLD ENTREPRENEURS' DAY 2026" in large, bold letters, with "CELEBRATING INNOVATION & LEADERSHIP" below it. To the left of the main title is the JNTUH logo. To the right is a graphic of a rocket launching over a bar chart. Below the title, a portrait of Dr. Samyuktha Penta is shown. To the left of the portrait, the text identifies her as the Chief Guest, Dean – Innovation & Entrepreneurship, and lists her roles: Electrical Engineer | Design Thinker | Innovator | Social Entrepreneur. Below the portrait, event details are listed: EVENT: Keynote Address & Interactive Session; TOPIC: Fostering Innovation & Sustainable Growth; DATE: August 21, 2026 (Friday); VENUE: Seminar Hall, JNTUH UCES. At the bottom, the slogan "EMPOWERING THE FUTURE" is displayed. The background is decorated with various icons related to innovation, such as gears, lightbulbs, and bar charts.

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

AICTE

शिक्षा मंत्रालय
MINISTRY OF EDUCATION

MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

1 TELANGANA RISING

JNTUH University College of Engineering Sultanpur
Sultanpur(V), Pulkal(M), Sangareddy(D),
Telangana-502273, India

WORLD ENTREPRENEURS' DAY 2026
CELEBRATING INNOVATION & LEADERSHIP

CHIEF GUEST
Dr. SAMYUKTHA PENTA
Dean – Innovation & Entrepreneurship
Electrical Engineer | Design Thinker |
Innovator | Social Entrepreneur

EVENT: Keynote Address & Interactive Session
TOPIC: Fostering Innovation & Sustainable Growth
DATE: August 21, 2026 (Friday)
VENUE: Seminar Hall, JNTUH UCES

EMPOWERING THE FUTURE

INTRODUCTION:

The Institute Innovation Council (IIC) of the **JNTUH University College of Engineering Sultanpur** organized World Entrepreneur's Day on 21st August, 2026 for the students of the Institute. The Day was celebrated with a special lecture by **Dr. SAMYUKTHA PENTA**, Dean – Innovation & Entrepreneurship, Electrical Engineer - Design Thinker-Innovator- Social Entrepreneurship, Hyderabad, Telangana, India. The theme of the lecture was 'Entrepreneurship, Innovation and Start-ups'. The lecture was organised at Seminar Hall,

JNTUHU CES, and started at 11:30 a.m. The lecture was attended by more than 120 B. Tech (U.G) students.

AGENDA OF THE EVENT:

It is a global event dedicated to recognizing and promoting the contributions of entrepreneurs to economic development and innovation. The day highlights the vital role that entrepreneurs play in creating jobs, fostering innovation, and driving economic growth. It also serves as a platform for aspiring entrepreneurs to gain insights, inspiration, and support from established business leaders and industry experts.

OBJECTIVES:

- To promote awareness about entrepreneurship and its role in innovation
- To encourage creativity and Critical thinking among students.

HIGHLIGHTS OF THE LECTURE:

The eminent speaker started her lecture by explaining the term Entrepreneur. She further explained the concepts of Innovation and creativity, which are embedded in the process of entrepreneurship. She explained the various stages that an entrepreneur goes through for their start-up. She also emphasized and explained the stories of various successful entrepreneurs like Steve Jobs, Jack Ma, etc. She concluded her talk by stating in detail the funding agencies through which funds for new entrepreneurs can be acquired. At the end, a question-and-answer session was held for students, which was undertaken by the expert.

OUTCOME:

The celebration of *World Entrepreneurs' Day* proved to be highly impactful in achieving its objective.

- Students not only gained valuable insights into the entrepreneurial journey but also showcased their creativity through the punch line competition.
- The event successfully fostered a spirit of innovation and motivation among young minds at JNTUH UCES College.

CONCLUSION:

The event was concluded on a positive note as students learned new concepts, the scope of entrepreneurship & new career options. Many students shared their innovative ideas and how they can transform them into a start-up. The benefits of this event are to set future goals, how to convert problem in opportunity & Development of different entrepreneurial skills



Chief Guest Dr. SAMYUKTHA PENTA lecture on World Entrepreneur's Day-2026.



Report on

MIC-Driven Activities | 24th August 2026

JNTUH University College of Engineering Sultanpur
Sultanpur (V), Pulkal (M), Sangareddy (D),
Telangana-502273, India

India's IPR Policy and Provisions for Startups, Inventors and Innovators: Accelerating the IP Landscape in Higher Educational Institutions (HEIs)

Prof. (Dr) Unnat P. Pandit
Controller General of Patents, Designs and Trade Marks (CGPDTM), Government of India

MONDAY
24th August 2026

TIME
11:30 AM

US ON **LIVE** / MoEInnovationCell

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On August 24, 2026, the Ministry of Education's Innovation Cell (MIC) conducted a live MIC-driven activity session focused on "**India's IPR Policy and Provisions for Startups, Inventors and Innovators: Accelerating the IP Landscape in HEIs.**"

Event Metadata

- **Activity Name:** India's IPR Policy and Provisions for Startups, Inventors and Innovators: Accelerating the IP Landscape in HEIs
- **Activity Type:** MIC Driven Activity (Quarter 4)
- **Date & Time:** 24 August 2026 | 11:30 AM IST
- **Mode:** Online (Live Stream via Ministry of Education's Innovation Cell)
- **Keynote Speaker:** Prof. (Dr.) Unnat P. Pandit (Controller General of Patents, Designs and Trade Marks, Government of India)

Objective of the Session

- **Awareness:** To educate students, researchers, and faculty on the National IPR Policy.
- **De-risking Innovation:** To train innovators to secure intellectual property before open publication.
- **Academic Growth:** To transform Higher Education Institutions (HEIs) from research hubs into commercial IP powerhouses.
- **Importance of IPR:** The session emphasized safeguarding innovative ideas, research outcomes, and student projects through Intellectual Property Rights (IPR).
- **Startup Provisions:** Participants learned about government schemes, patent filing provisions, and financial or legal opportunities tailored for inventors and early-stage startups in campuses.
- **Ecosystem Growth:** The talk aimed to boost an innovation-driven culture, entrepreneurship, and commercialization capabilities within academic ecosystems.
-

Key Highlights & Insights by the Speaker

1. The Core Pillars of IP Generation: Prof. (Dr.) Unnat P. Pandit highlighted the three mandatory criteria that any student or faculty project must meet to qualify for patent protection:

- **Novelty:** The invention must be completely new and never published anywhere globally.
- **Inventive Step:** It must involve a technical advancement that is not obvious to a person skilled in the art.
- **Industrial Application:** The invention must be capable of being made or used in a practical industry.

2. Financial Incentives for Startups & HEIs : The speaker focused on massive cost reductions aimed at breaking down financial barriers for academic innovators:

- **80% Fee Rebate:** Academic institutions, student innovators, and registered startups get an 80% discount on patent filing and processing fees.
- **SIPP Scheme Expansion:** The *Start-ups Intellectual Property Protection* (SIPP) scheme provides empanelled IP facilitators to help write and file patents, with the

government bearing the facilitator costs.

3. Administrative Reforms & Speed

- **Accelerated Examination:** Startups and educational institutions can opt for fast-tracked patent examinations to reduce waiting times from years to months.
- **Digital Governance:** Fully online e-filing systems have simplified the application process for designs, trademarks, and patents.

4. The "File First, Publish Later" Mandate

- A critical warning was given to the academic community: **Do not publish research papers before filing for IP protection.**
- Public disclosure (in journals, conferences, or open exhibitions) destroys the "Novelty" aspect, making the technology ineligible for a patent.

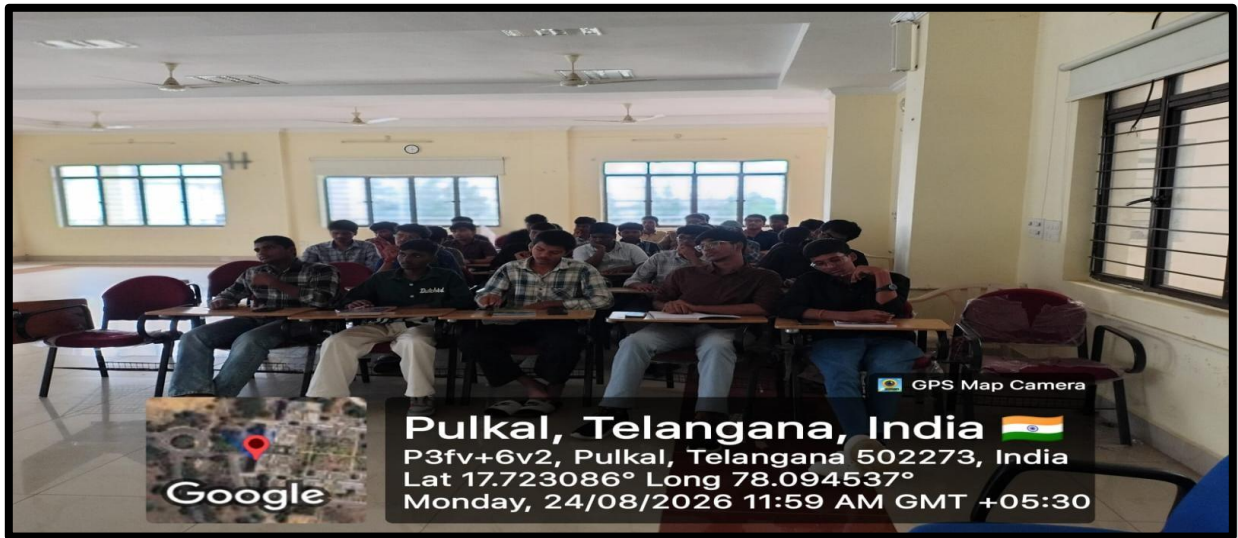
5. Institutionalizing IP in HEIs

- **Technology Transfer Offices (TTOs):** HEIs must set up internal cells to bridge the gap between lab research and industry commercialization.
- **IP Policy:** Every college should have a clear institutional IP policy defining revenue-sharing models between the university and the student/faculty inventor.

Key Outcomes for the Report

- Participants learned how to evaluate their academic projects for patentability.
- Innovators gained clarity on leveraging government subsidies to reduce filing costs.
- The session successfully motivated faculty to align academic research with commercial product development.

Glimpses of the Programme:



Report on

MIC-Driven Activities | 25th August 2026

JNTUH University College of Engineering Sultanpur
Sultanpur (V), Pulkal (M), Sangareddy (D),
Telangana-502273, India

AICTE
All India Council for
Technical Education

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

**Initiatives & Programmes to Support
Innovation, Incubation and Startups
in Higher Educational Institutions (HEIs)
| Atal Innovation Mission, NITI Aayog**

DATE
25 August 2026

TIME
11:30 AM

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On August 25th, 2026, the Ministry of Education's Innovation Cell (MIC) conducted a live MIC-driven activity session focused on “**Initiatives & Programmes to Support Innovation in Higher Educational Institutions (HEIs) | Atal Innovation Mission, NITI Aayog**”

Event Metadata

- **Activity Name:** “Initiatives & Programmes to Support Innovation in Higher Educational Institutions (HEIs) | Atal Innovation Mission, NITI Aayog”
- **Activity Type:** MIC Driven Activity (Quarter 4)
- **Date & Time:** 25 August 2026 | 11:30 AM IST
- **Mode:** Online (Live Stream via Ministry of Education's Innovation Cell)

Session Overview

- **Organizer:** Ministry of Education's Innovation Cell (MIC) & AICTE in association with participating Institution's Innovation Councils (IICs).
- **Focus:** Institutional innovation frameworks, venture support, and the creation of vibrant entrepreneurship ecosystems inside Indian campuses through NITI Aayog schemes
- **Keynote/Resource Persons:** Delivered via national policy experts and representatives from the Atal Innovation Mission team

Core AIM Initiatives Highlighted for HEIs

- **Atal Incubation Centres (AICs):** World-class incubation setups supported with funding up to ₹10 crores to foster domain-specific startups in universities.
- **Atal Community Innovation Centres (ACICs):** Focused on community-driven grassroots innovations in underserved regions and Tier 2/3 cities.
- **Atal New India Challenges (ANIC):** Product and service grant-based challenges tackling national socio-economic sectors.

Key Highlights & Insights by the Speakers

Atal Innovation Mission (AIM), NITI Aayog is Government of India's flagship initiative to promote a culture of innovation and entrepreneurship in the country and was setup in 2016. Towards this end AIM has taken a holistic approach to ensure creation of a problem-solving innovative mindset in schools and creating an ecosystem of entrepreneurship in universities, research institutions, private and MSME sector. All the initiatives of AIM are currently monitored and managed systematically using real-time MIS systems and dynamic dashboards. AIM is also currently having its programs reviewed by third party agencies for ensuring continuous improvements.

1. AIM Ecosystem Development Program

AIM has established institutions across the value chain of the Innovation Ecosystem.

Atal Innovation Mission(AIM) has initiated the program AEDP(AIM Ecosystem Development program) with a vision to build collaborations, create strategic programs, develop the innovation ecosystem and link all parts of the AIM Ecosystem.

AEDP's objectives are-

- To map and develop the Innovation Ecosystem of the country
- To develop quality and long lasting Collaborations and Partnerships.
- Linking the relevant stakeholders in the Innovation ecosystem to break the silos
- Building a pool of experts
- To bridge the internal or external gaps of the Innovation Ecosystem through Strategic Programs, Ecosystem mapping and research & publication cell.
- Connecting with various stakeholders in the government
- Being the link between AIM beneficiaries, Start-ups and the Government

2. Atal Incubation Centres - Building Startups and Entrepreneurs ecosystem of India

- Atal Incubation Centres or AICs are business incubators established by AIM at universities, institutions and corporates to promote innovation and entrepreneurship among young innovators of the country. These Atal Incubation Centres aim to foster world-class innovation and support dynamic entrepreneurs, who want to build scalable and sustainable enterprises. AIM has successfully operationalized 72 AICs across India. These AIC enable startups by providing technical facilities, resource-based support, mentorship, funding support, partnerships and networking, co-working spaces and lab facilities among others. 3500+ startups are incubated at these AICs and have created more than 32000 jobs in the ecosystem. About 1000+ startups have a women leader and founder. AICs supports startups from diverse areas such as Healthtech, Fintech, EdTech, Space and Drone Tech, AR/VR, Food Processing, Tourism, among others.

3. Atal Community Innovation Centres - serving Unserved and Under-Served regions of India

- To promote the benefits of technology led innovation to the unserved/underserved regions of India including Tier 2, Tier 3 cities, aspirational districts, tribal, hilly and coastal areas, AIM is setting up Atal Community Innovation Centres with a unique

partnership driven model wherein AIM would grant upto Rs 2.5 crores to an ACIC subject to a partner proving equal or greater matching funding. So far 14 ACICs have been established across the country.

4. Atal New India Challenges - Product and Service Innovation with National Impact

- Atal New India Challenge is a flagship program of Atal Innovation Mission, NITI Aayog. The program aims to seek, select, support and nurture technology-based innovations that solve sectoral challenges of national importance and societal relevance. ANIC solicits innovations in the prototype stage and supports the selected start-ups throughout the commercialization stage over the course of 12 – 18 months by funding up to INR 1 crore and other associated support. 53 Startups have been supported with grant-in-aid under ANIC phase 1, and 88 Startups have been shortlisted for grant-in-aid and mentorship support under ANIC phase 2 program.

5. Mentor of Change (Mentorship and Partnerships - with Public, Private sector, NGOs, Academia, Institutions)

- To enable all the initiatives to succeed AIM has launched one of the largest mentor engagement and management program "Mentor India – The Mentors of Change". Till date AIM has over 6200+ Mentors registered under the Programme.

Key Outcomes for the Report

- The Institution's Innovation Council (IIC) report highlights key outcomes focused on aligning institutional frameworks with NITI Aayog benchmarks and acquiring actionable blueprints for Atal Incubation Centre (AIC) grants.
- Key strategic priorities include developing grassroots support for student startups, strengthening campus incubation infrastructure, and integrating with the AIM nationwide mentoring network.

Glimpses of the Programme:





Smart India Hackathon

Report on

the Launch of Internal Smart India Hackathon 2026



The official problem statements for the Smart India Hackathon (SIH) 2026 were launched on August 21, 2026, by the Chairperson of AICTE, Prof. Yogesh Singh. This marks the official opening for student teams to select real-world government and industry challenges and begin preparation for their internal college selections.

The hackathon is currently moving from the institution onboarding phase into the internal team shortlisting phase.

SPOC Registration: Single Point of Contact (SPOC) registration for college faculty was recently extended through mid-August to maximize institution enrollment.

Problem Statement Analysis: Over 226 distinct problem statements from various ministries, PSUs, and industries are now available on the official SIH Portal. Teams are advised to validate the technical feasibility and innovation potential of these challenges before locking them in.

Internal Hackathons: Participating colleges must organize mandatory internal hackathons from late August through September to select and nominate their top 6-member teams.

Participants will get an opportunity to:

- Explore and select relevant SIH 2026 Problem Statements.
- Form multidisciplinary teams and collaborate to develop innovative solutions.
- Understand real-world problem requirements and convert ideas into working solution concepts.
- Apply technologies such as Artificial Intelligence, Machine Learning, Web & Mobile Development, IoT, Data Science, Cloud Computing, Cybersecurity, Blockchain, and other emerging technologies.
- Develop prototypes and solution approaches under a defined time frame.
- Receive guidance, mentoring, and feedback during the internal hackathon.
- Showcase their ideas and solutions before the evaluation panel.
- Compete for selection as the institute's representative team(s) for the Smart India Hackathon 2026.

Who Can Participate?

- The opportunity is open to eligible students of the institute who are interested in **innovation, technology, entrepreneurship, problem-solving, and hackathons.**
- Students are encouraged to participate with a team and bring together members with complementary technical and creative skills.

Why Participate?

- SIH provides a platform to transform innovative ideas into practical solutions while developing highly valuable skills in **teamwork, leadership, research, technical development, presentation, and problem-solving**.
- This internal hackathon will serve as an important platform for students to demonstrate their capabilities, receive expert feedback, and compete for an opportunity to represent the institute at the **Smart India Hackathon 2026**.
- **Think. Innovate. Build. Solve. Represent.**

Smart India Hackathon runs in two phases:

1. **Internal Hackathon** — your college runs an internal round. Top teams are selected to represent the college.
2. **Grand Finale** — selected teams compete at nodal centers across India. 36 hours of non-stop building.

Problem statements come from government ministries (MeitY, Ministry of Health, Ministry of Agriculture, etc.) and organizations. Each problem statement has a specific department, a clear challenge, and expected outcomes.

SIH Project Ideas by Theme

➤ Healthcare and Public Health

- **AI-Powered Rural Health Screening** — a mobile app that uses AI to screen for common diseases (diabetes, hypertension, eye conditions) using just a smartphone camera and basic inputs. Works offline for areas without connectivity.
- **Medicine Authenticity Verifier** — scan any medicine packaging and verify if it's genuine using QR codes, batch numbers, and a government database. Tackles India's counterfeit medicine problem.
- **Mental Health Chatbot in Regional Languages** — an AI chatbot that provides mental health support in Hindi, Tamil, Telugu, Bengali, and other languages. Culturally sensitive, available 24/7.
- **Hospital Bed and Resource Tracker** — real-time dashboard showing bed availability,

oxygen supply, and ventilator status across hospitals in a district. Learned from COVID-19 challenges.

➤ **Agriculture and Rural Development**

- **Crop Price Prediction and Market Linkage** — AI model that predicts crop prices using weather data, historical trends, and market demand. Helps farmers decide when and where to sell.
- **Soil Health Card Digitizer** — scan physical soil health cards, digitize the data, and provide AI-powered recommendations for fertilizer use and crop selection.
- **Water Resource Management Dashboard** — IoT sensors + AI to monitor groundwater levels, predict shortages, and optimize irrigation schedules for a village or district.
- **Farmer Grievance Resolution Bot** — AI agent that helps farmers navigate government schemes, file complaints, and track resolution status in their local language.

➤ **Education and Skill Development**

- **AI Tutor for Government School Students** — personalized learning app aligned with state board curricula. Works on basic smartphones, supports regional languages. Similar to what teams built at the [Wadhvani AI Education Hackathon](#).
- **Skill Gap Analyzer** — students input their current skills and target job role. AI identifies gaps and creates a personalized learning path with free resources.
- **Exam Paper Generator with Bloom's Taxonomy** — AI tool for teachers that generates balanced question papers covering all cognitive levels, aligned with the syllabus.

➤ **Smart Cities and Urban Development**

- **Pothole Detection and Reporting** — smartphone app that automatically detects potholes using accelerometer data while driving, maps them, and reports to the municipal corporation.
- **Public Transport Optimization** — AI that analyzes ridership data to suggest optimal bus routes, frequencies, and timings for a city's public transport system.
- **Waste Collection Route Optimizer** — optimize garbage truck routes based on fill levels (IoT sensors on bins), traffic patterns, and collection schedules.

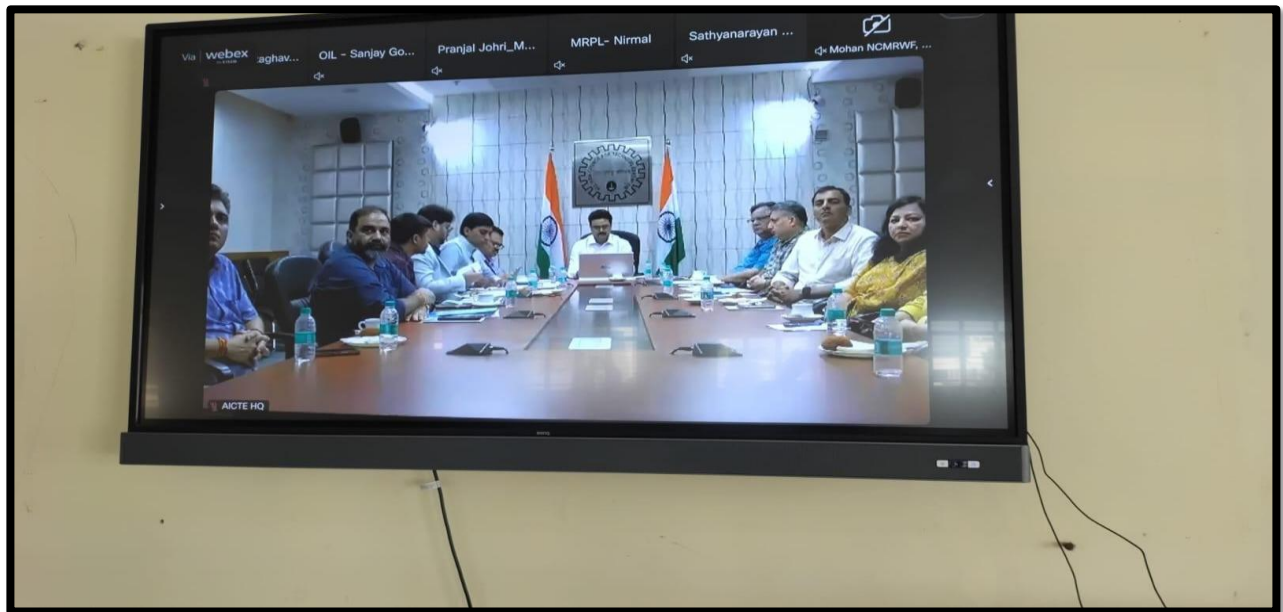
➤ Governance and Citizen Services

- **Government Scheme Eligibility Checker** — answer simple questions and get matched with all government schemes you're eligible for. Explains how to apply in plain language.
- **RTI Request Assistant** — AI that helps citizens draft Right to Information requests, suggests the correct department, and tracks response timelines.
- **Land Record Digitization and Verification** — OCR + AI to digitize handwritten land records, cross-reference with existing databases, and flag discrepancies.

➤ Environment and Sustainability

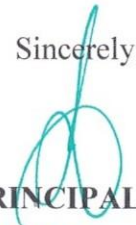
- **Air Quality Prediction and Alert System** — predict AQI for the next 48 hours using weather data, traffic patterns, and industrial activity. Send alerts to vulnerable populations.
- **Forest Fire Early Warning** — satellite imagery + weather data + AI to predict forest fire risk and alert forest departments before fires start.
- **Carbon Footprint Calculator for Indian Households** — personalized carbon footprint tracking based on Indian lifestyle patterns (cooking fuel, transport, electricity usage).

Glimpses of Event:





Sincerely,



PRINCIPAL
PRINCIPAL

JNTUH UNIVERSITY COLLEGE OF ENGINEERING SULTANPUR
Sultanpur (V), Choutkur (M), Sangareddy Dist, T.G-502273