ELLENKI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous Institution - UGC, Govt. of India)
(Sponsored by Ellenki Educational Society)

ECET Patelguda, Sangareddy Dist. Hyderabad.

Approved by AICTE & Affiliated to JNTUH, Accredited by NAAC, Recognition of 2(f), UGC, MSME-HI

Department of Center of Excellence

Inauguration of Center of Excellence Lab

Chief Guest

Mr. Shrikanth Sinha, CEO Task

Mr. E.Sada siva Reddy ,Chairman

Edunet and Task Executives

Venue: Seminar Hall

Time: 10:00 AM to 1:00 PM

Submitted

by

Mrs. A Vijaya Bharathi

Training and Placement Officer

Ellenki College of Engineering and Technology

Coordinator   **Academic Director**   **Principal**

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ECET

Objectives

1. To equip students with industry-aligned knowledge and hands-on skills in emerging technologies such as Artificial Intelligence, Machine Learning, IOT, and Cloud Computing.

2. To foster innovation and research by providing access to state-of-the-art infrastructure and resources.

3. To bridge the gap between academic learning and industry requirements, making students career-ready.

4. To enhance collaboration with industry partners for joint projects, internships, and expert guidance.

5. To encourage interdisciplinary projects, enabling students to apply their technical expertise in real-world scenarios.

Outcomes

1. Students gained practical expertise in advanced technologies, boosting their employability.

2. Enhanced ability to tackle real-world problems through innovative solutions.

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3. Increased collaboration opportunities with leading companies and professionals in the industry.

4. Successful execution of industry-oriented projects, research papers, and prototypes.

5. Development of leadership, teamwork, and communication skills among students through project-based learning.

Summary Report

The newly inaugurated **Center of Excellence (COE) Lab** at

Ellenki College of Engineering and Technology marks a significant step toward enhancing technical education. The COE Lab is designed to provide students with a platform for experiential learning in collaboration with TASK and Edunet.

The inauguration was graced by **Mr. Shrikant Sinha**, CEO of TASK, along with representatives from Edunet. The event highlighted the lab's role in preparing students for future challenges by integrating academic curriculum with real-world applications.

Key features of the COE Lab include:

- High-performance computing systems and tools.

- Access to industry-standard software and resources.

- Dedicated mentors and trainers for skill development.

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This initiative is expected to empower students with the skills required to excel in a competitive job market and contribute meaningfully to the tech ecosystem.

Course Structure

Module 1: Foundations in Emerging Technologies

- Introduction to AI, ML, IoT, and Cloud Computing
- Overview of industry use cases and trends

Module 2: Practical Skills Development

- Hands-on training in programming languages (e.g., Python, R)
- Projects focusing on AI/ML algorithms, IoT prototypes, and cloud-based solutions

Module 3: Industry Applications and Tools

- Workshops on tools like Tensor Flow, AWS, and IoT platforms
- Case studies on real-world implementations

Module 4: Capstone Projects

- Group and individual projects addressing real-world challenges
- Presentation and evaluation by industry experts

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