



PRAGATI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 23-08-2025

CIRCULAR

It is to inform to all the students of B.Tech II, III & IV Year that the Student Chapter Institution of Engineers(India) Department of Electrical & Electronics Engineering is Conducting "INDUSTRY TRENDS AND EMERGING TECHNOLOGIES" on 25-08-2025. In this regard All the interested students participate actively.

Faculty coordinator: Mrs. G.DURGA DEVI, Asst professor

Student Coordinators: P.R. BHAGYA LAKSHMI - 24A31A0214
N.V.V. SAI KRISHNA MOHAN-24A31A0246

Venue:MS-12 (CORE BLOCK)

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Copy to:

- 1) Circulate among students and staff
- 2) Department Notice Board
- 3) Department File
- 4) Principal for Information

J. S. S. K. 21/8/25
HOD-EEE





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A.Y:2025-26

Date: 26-08-2025

REPORT ON INDUSTRY TRENDS AND EMERGING TECHNOLOGIES

1. Introduction

A student seminar on *Industry Trends and Emerging Technologies* was organized to provide participants with insights into the latest developments shaping the global industrial and technological landscape. The seminar aimed to bridge the gap between academic learning and industry requirements, equipping students with knowledge about innovations, future skills, and opportunities in the rapidly evolving technology-driven world.

2. Objectives of the Seminar

- To create awareness among students about current industry trends.
- To highlight the importance of adopting emerging technologies in various sectors.
- To enhance students' employability skills by aligning them with industry expectations.
- To encourage innovation, research, and entrepreneurial thinking among participants.

3. Key Topics Covered

The seminar sessions included expert talks and student presentations on the following themes:

1. **Industry 4.0 and Smart Manufacturing** – Automation, robotics, IoT, and digital twin technologies.
2. **Artificial Intelligence and Machine Learning** – Applications in data analytics, predictive maintenance, and intelligent systems.
3. **Renewable Energy and Sustainability** – Green energy technologies, smart grids, and environmental impact.
4. **Cyber security Trends** – Threat detection, data protection, and blockchain for secure transactions.
5. **5G and Future Communication Systems** – High-speed networks, IoT expansion, and connectivity.
6. **Cloud Computing and Edge Computing** – Scalable IT solutions for businesses and research.
7. **Electric Vehicles and E-Mobility** – Sustainable transport, charging infrastructure, and future challenges.



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4. Outcomes of the Seminar

- Students gained knowledge of the **latest advancements in technology** and their real-world applications.
- The seminar improved **awareness of industry expectations** and future job opportunities.
- Participants developed skills in **presentation, critical thinking, and collaborative learning**.
- A platform for **idea exchange and research discussion** was created among students and faculty.

5. Feedback and Observations

- Students actively participated with great enthusiasm and raised insightful questions.
- Experts appreciated the curiosity and innovative ideas shared by students.
- It was suggested to conduct such seminars regularly to keep students updated with industry developments.

6. Conclusion

The Student Seminar on *Industry Trends and Emerging Technologies* was a **successful academic initiative** that motivated students to keep pace with technological advancements. The knowledge gained will help them prepare for future careers and contribute to innovation-driven growth in the industry.

A total of 50 students participated enthusiastically, showcasing their technical knowledge and quiz-solving speed. The event encouraged peer learning, team spirit, and subject confidence among students.

Date & Time of Event : 25-08-2025 @3:00 PM

Venue : MS-12(CORE BLOCK)





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2025 Top 10 Strategic Technology Trends

- | | | | |
|---|--------------------------------|----|----------------------------|
| 1 | Agentic AI | 6 | Energy-Efficient Computing |
| 2 | AI Governance Platforms | 7 | Hybrid Computing |
| 3 | Disinformation Security | 8 | Spatial Computing |
| 4 | Post-Quantum Cryptography | 9 | Polyfunctional Robots |
| 5 | Ambient Invisible Intelligence | 10 | Neurological Enhancement |

S. Nani Bal
IE(I) INCHARGE

D. Prakash
IQAC COORDINATOR

Prasanna
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(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada)
(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act. 1956)

Ph: 08852 - 252233, 34. Website: www.pragati.ac.in

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Name of the Event: Industry Trends and Emerging Technologies Date: 25-08-2025

S.NO	ROLL NUMBER	NAME OF THE STUDENT	SIGNATURE
1.	23A31A0207	K. Sumathi	K. Sumathi
2.	23A31A0209	M. pooja kowsika	M. Pooja
3.	23A31A0212	P. srovan	P. srovan
4.	23A31A0205	K. Mallikarjuna	K. Mallikarjuna
5.	23A31A0203	G. Anusha	G. Anusha
6.	23A31A0214	P. Sowmya	P. Sowmya
7.	23A31A0206	K. Aswini	K. Aswini
8.	23A31A0204	C. Vashitha	C. Vashitha
9.	23A31A0211	M. B. Srividya	M. B. Srividya
10.	23A31A0210	M. Uma Nageswari	M. Uma
11.	24A35A0202	Sk. Shamshad	Shamshad
12.	24A35A0201	M. Ambika	Ambika
13.	23A31A0208	K. Lalitha Sri	Lalitha
14.	23A31A0202	B. Chaitanya JyothiKa	B. Chaitanya
15.	23A31A0215	P.V. Indu Priya Donkin	P.V. Indu
16.	23A31A0224	B. Sridhara	B. Sridhara
17.	23A31A0218	R. Ch. Sathya	R. Ch. Sathya
18.	23A31A0229	E. Hima Varsha	E. Hima Varsha

19	24A35A0208	E.S.S. Kiran	52-5
20	23A31A0835	K. Koushik	K. Koushik
21	24A31A0225	K. R. M. Dasu	Dasu
22	24A31A0246	Nohan	Nohan
23	25A35A0204	P. Leela	Leela
23	25A35A0209	V. Vijay Kumar	V. Vijay Kumar
25	24A31A0247	N.T.S. Santosh	N.T.S. Santosh
26	24A31A0231	G. Bhargav Sai	G. Bhargav
27	24A31A0223	B. Anil Kumar	B. Anil
28	24A31A0228	D. Sai Pavan Tejesh	D. S. P. Tejesh
29	24A31A0255	R. GIMMY	R. G. I.
30	24A31A0246	N. Nohan	Nohan
31	24A31A0229	D. Veerababu	D. Veerababu
32	24A31A0205	Ch. Lakshmi Sri	Lakshmi
33	24A31A0219	V. Lasya Sanjana	Lasya
34	24A31A0201	A. Preethi	Preethi
35	24A31A0201	M. Pragynada	Pragynada
36	24A31A0208	Koushik	Koushik
37	24A31A0209	K. Satya Raja	Satya
38	24A31A0213	P. Bharan	Bharan

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