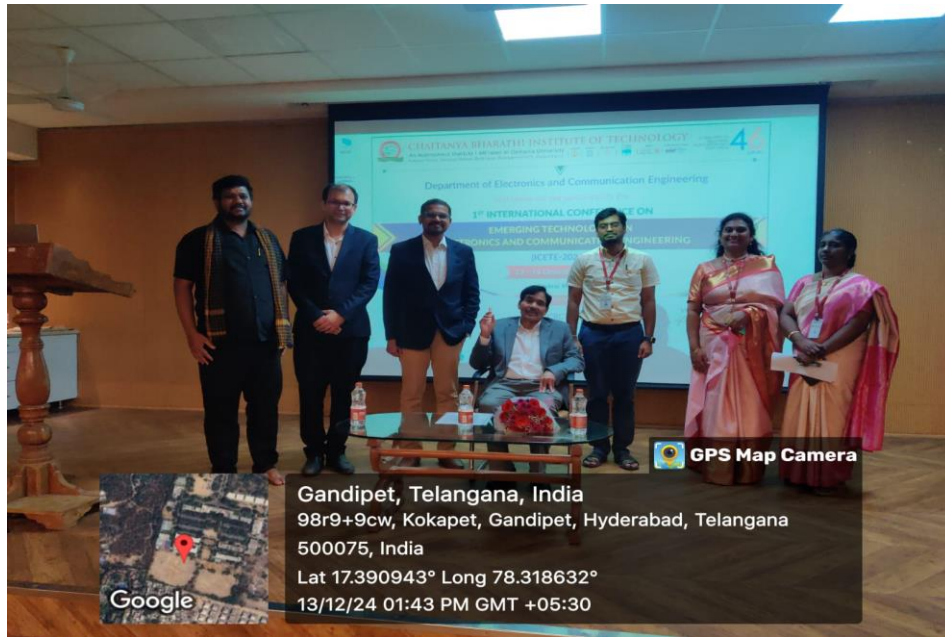


International Conferences

- The Department of Electronics and Communication Engineering, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, Telangana, successfully organized the 2nd International Conference on Emerging Technologies in Electronics and Communication Engineering (ICETE-2025) supported by AAIR Lab on 12th and 13th December 2025 as part of the 7th Research Day of the institution
- The keynote address was delivered by Mr. Shakil Basha Pogaku, Technical Program Manager, The Boeing Company, Seattle, USA, on the theme “AI in the Industry.”
- Keynote Session – Shakil Basha Pogaku, Technical Program Manager, The Boeing Co, Seattle, Washington, USA
- Session 1 – Prof. P. Naveen Kumar, Professor, Dept. of ECE, Osmania University, Hyderabad India
- Session 2 – Mr. Shakil Basha Pogaku; Technical Program Manager, The Boeing Co, Seattle, Washington, USA
- Session 3 – Dr. Hathiram Nenavath, Assistant Professor, Department of Electronics and Communication Engineering, Indian Institute of Technology, (IIT) Bhilai
- Session 4 – Prof. Arindam Kushagra, Assistant Professor, Department of Electrical and Electronics Engineering, BITS, Pilani, Hyderabad



- The Dept. of ECE, CBIT was conducted an International Conference on Emerging Trends in Electronics and Communication (ICETE - 2024) during 13-14 December 2024. This Conference serves as a platform to showcase cutting-edge research, foster collaboration among academia and industry, and explore the transformative potential of electronics and communication technologies in shaping the future.



Meet - kie-sgnf-cfy | Program Schedule | 1:sgnrf-1

https://meet.google.com/kie-sgnf-cfy

Sijithra Prabin (Presenting)

AI-Enhanced MRI versus Traditional MRI and Biomarker Panels for Early Detection of PDAC

Parameter	Value	Description
Diagnostic Accuracy (AI)	92.5%	Specificity of AI-enhanced MRI in detecting early PDAC
Diagnostic Accuracy (Traditional)	88.2%	Specificity of traditional MRI in detecting early PDAC
Diagnostic Accuracy (Biomarker)	75.1%	Sensitivity of traditional biomarker panels
Diagnostic Accuracy (AI+Biomarker)	95.3%	Sensitivity of traditional biomarker panels
Model Sensitivity (AI+Biomarker)	90.2%	Overall accuracy of AI-enhanced MRI model
Area Under Curve (AUC)	0.93	AUC for the AI-enhanced model
Model Specificity (AI+Biomarker)	93.2%	Specificity of AI-enhanced model panel
Model Sensitivity (AI+Biomarker)	90.2%	Specificity of traditional biomarker panel
Area Under Curve (AUC)	0.88	AUC for the traditional biomarker panel

Click to add notes

16:26 | kie-sgnf-cfy

Participants: Sijithra Prabin, Narendra Kumar, 2024icete, Mani Kumari M, suresh kumar, vijayalakshmi K., Deepak Singh, Aaditya Sharma, Karthik, Pavani Vemulap..., Rohith Penki, Jyothikumari Th..., Rajitha Datta, Akshara Jogiraju

Meet - kie-sgnf-cfy | Program Schedule | 1:sgnrf-1

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Mani Kumari M (Presenting)

Power-Delay Comparison Table

Parameter	Memory cell in Binary	Multi-bit Memory cell
Power	0.234776W (SRAM)	0.3326W (SRAM)
Delay	856ns (SRAM)	46.6ns (SRAM)
Power	0.120615W (Flash)	0.96W (Flash)
Delay	187.9ns (Flash)	28.82ns (Flash)

*Flash memories are faster than conventional memories and implementations of Multi-bit cell using quantum logic to increase its accuracy and speed.
*Multi-bit cell reduces interconnects by representing information in reduced number of signal lines.
*Propagative delay of quantum memories are reduced indicates that these modules are more suitable for high speed applications.

Click to add notes

16:06 | kie-sgnf-cfy

Participants: Mani Kumari M, Narendra Kumar Garg, 2024icete, Jagpreet Singh, 10 others, Akshara Jogiraju