



**MBU**  
MOHAN BABU  
UNIVERSITY

DREAM. BELIEVE. ACHIEVE

2<sup>nd</sup> International Conference  
on

**INTELLIGENT ELECTRONICS  
AND COMMUNICATION DEVICES**

**IECom - 2025**

12<sup>th</sup> - 14<sup>th</sup> March 2025

Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
in Association with  
**AICTE IDEA LAB**



# ABOUT MBU

Mohan Babu University, situated in Tirupati, Andhra Pradesh, India, is a State Private University founded by Sree Vidyanikethan Educational Trust under the leadership of Dr. M. Mohan Babu, a philanthropist, former Rajyasabha Member, producer, and cine artist. The University promotes excellence in various fields such as Engineering, Pharmacy, Liberal Arts and Science, Agriculture, Art and Design, Media Studies, Film Academy, Paramedical and Health Sciences. With a 5-star rated campus, advanced curriculum, expert mentorship, and 65+ clubs. MB School of Engineering and MB School of Computing (Erstwhile Sree Vidyanikethan Engineering College) has achieved notable accreditations which includes,

## RANKINGS AND ACCREDITATIONS



Boasting a robust placement record, including a remarkable package of Rs. 60 lakh offered by Google, the university also actively mentors other engineering colleges.

**To foster Research, Innovation and Entrepreneurship, MBU has the following:**

DST-STI Hub  
worth of  
**3.61**  
Crores

AICTE-IDEA  
Lab worth of  
**1.1**  
Crores

V-Hub,  
Innovation  
Centre

Ear  
project



# ABOUT ECE DEPARTMENT

The Department of ECE has incepted in the year 1996 with an intake of 60 offering B. Tech (ECE). The Department has gradually progressed to an intake level of 240. Also offered post-graduation programs in VLSI Design. The B.Tech. Program was Re-accredited (fourth cycle of Accreditation) by NBA for three years (01.07.2020 to 30.06.2023). JNTUA, Anantapuramu has recognized the Department of ECE as Research Centre for Ph.D. Program. At present, the department is under prestigious Mohan Babu University and offering four under graduation programs in ECE, ECE with specialization in Embedded Systems and IoT, EIE, EIE with specialization in Biomedical Engineering, post-graduation programs in VLSI & Embedded Systems and Doctoral Degree Program. The department has well qualified faculty which includes 25 Ph.D.'s. The department is substantially equipped with state-of-art laboratories and Research Centers like Communication and Signal Processing, VLSI and Embedded Systems and MEMS to foster research activities for students and faculty. The department is also actively involved in collaborative initiatives with industry for the student and faculty centric activities.

# About the AICTE IDEA Lab

The AICTE IDEA (Idea Development, Evaluation, and Application) Lab, approved by AICTE, New Delhi, has been established across engineering institutions nationwide to foster the application of STEM (Science, Technology, Engineering, and Mathematics) principles through experiential learning, innovation, and product development. Co-funded by AICTE and the host institution, the IDEA Lab provides a comprehensive facility for transforming ideas into prototypes under one roof. AICTE IDEA lab fosters critical thinking, problem-solving, design thinking, collaboration, communication, and lifelong learning. It serves as a platform for students and faculty to generate innovative ideas, design solutions, and develop prototypes, enhancing imagination and creativity in a practical environment.



# ABOUT THE CONFERENCE

2nd International Conference on Intelligent Electronics and Communication Devices (IECom-2025) will be held at Mohan Babu University, Tirupati, during 12th –14th , March 2025, in hybrid mode. Sponsored by AICTE IDEA LAB ,SVEC and organized by the School of Engineering, Department of ECE, Mohan Babu University, the conference serves as a premier platform for researchers, practitioners, policymakers, and industry professionals to exchange knowledge, share innovations, and discuss advancements in communication systems and related fields. Keynote addresses, invited talks, and paper presentations by distinguished experts from around the world will highlight the event. IECom-2025 focuses on contemporary challenges and rapid developments in communication systems and allied areas, fostering collaboration and bridging the gap between academia, industry, and society. The conference ensures stakeholders, including researchers, students, and professionals, stay informed and engaged with the latest advancements in this dynamic field.

## The objectives of the Conference:

- To create a platform for stakeholders to collaborate, exchange ideas, and share innovations in Communication Systems and related domains.
- To foster global connections and strengthen relationships among participants and the wider community.
- To offer students and researchers opportunities to engage with and learn from experts in the field.
- To bridge the gap between academia and industry, promoting collaboration and knowledge transfer.

# SCOPE OF THE CONFERENCE

The IECom-2025 conference focuses on advancements in Intelligent Electronics, Communication Systems, and related areas. It serves as a platform for academia, industry, and researchers to exchange ideas, foster collaboration, and bridge the gap between research and practical applications.

# CALL FOR PAPERS

**Original research papers are invited in the areas, but not limited to**

## Low Power Electronic Devices

- VLSI Circuits and embedded Devices and Circuits
- Low power devices/MOSFETS
- Wearable and Implantable Electronics
- Devices for UAVs, Wireless sensors, etc
- Spintronics and Magnetic Tunnel Junction Device
- Energy-Efficient Edge Computing Devices



## Electrical, Control and Instrumentation

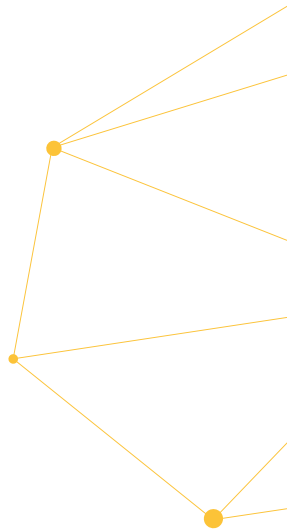
- Intelligent devices for smart grid/ Micro grids
- Smart grid Communication
- Intelligent power devices/ electronic circuits
- PLC and SCADA in Process Automation
- Intelligent sensors/ instruments
- Instrumentation for Biomedical Applications

## Communication Technologies

- Satellite Communication and IoT Integration
- Quantum Communication Systems.
- Smart City Communication Networks
- UAV Communication
- Antenna design for communication
- AI and ML for Next-Generation Communication Networks

## Computational Techniques

- Artificial intelligence and machine learning
- Natural language processing and sentiment analysis
- Deep learning and its applications
- Big data analytics and applications
- Block chain and applications
- High-Performance Computing (HPC) Applications



# CONFERENCE COMMITTEE

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Pro-Chancellor, MBU | CEO (SVET)

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### Mr. M. Venkata Naresh

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## Keynote Speakers

### Dr. Christian Ravariu

Professor, Technical University  
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### Dr. Bipin Joshi, Scientist F

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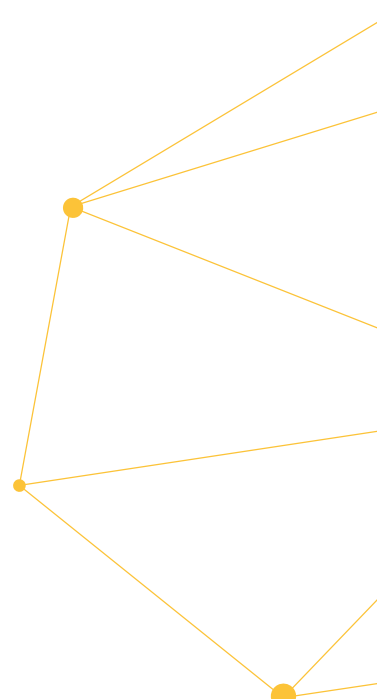
Assistant Professor, ECE,MBU

### **Ms. Nalini Chekuri**

Assistant Professor, ECE,MBU

### **Mr. Y. Venkatadri**

Assistant Professor, ECE,MBU



## PUBLICATION OF CONFERENCE PROCEEDINGS

All the accepted and registered papers will be published with ISBN number allotted to this conference proceeding only. Extended quality papers will be published in 100% Scopus/WoS indexed journals through peer review process, based on the author's concern and additional APC.

## REGISTRATION FEES

Registration Fee (inclusive of GST)	Students	Academic/Research Scholars	Industry
<b>Participants from India</b>	<b>₹1,000</b>	<b>₹ 1,250</b>	<b>₹1,500</b>
<b>Participants from abroad</b>	<b>\$100</b>	<b>\$150</b>	<b>\$200</b>

Submit the paper to the mail: [iecomconference@mbu.asia](mailto:iecomconference@mbu.asia)

Paper details Submission: [https://forms.office.com/Pages/ResponsePage.aspx?id=DQSIkWdsW0yxEjajBLZtrQAAAAAAAAAAAAAN\\_\\_hPr-ipUNE5PWjl3SIJKQIhUT0haN1kzREJPSU5VQy4u](https://forms.office.com/Pages/ResponsePage.aspx?id=DQSIkWdsW0yxEjajBLZtrQAAAAAAAAAAAAAN__hPr-ipUNE5PWjl3SIJKQIhUT0haN1kzREJPSU5VQy4u)

Paper Submission Format: <https://www.ieee.org/content/dam/ieee-org/ieee/web/org/conferences/Conference-template-A4.doc>

## IMPORTANT DATES

<b>Submission deadline</b>	<b>05.02.2025</b>
<b>Notification of acceptance/rejection</b>	<b>15.02.2025</b>
<b>Camera ready submission</b>	<b>28.02.2025</b>
<b>Last date for online registration</b>	<b>25.02.2025</b>
<b>Conference Dates</b>	<b>12.03.2025 to 14.03.2025</b>

Mode of Conference: **Hybrid (Online & Offline)**

For More Details Contact:

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