

The Spintronics NEWS LETTER

J. B. Institute of Engineering & Technology

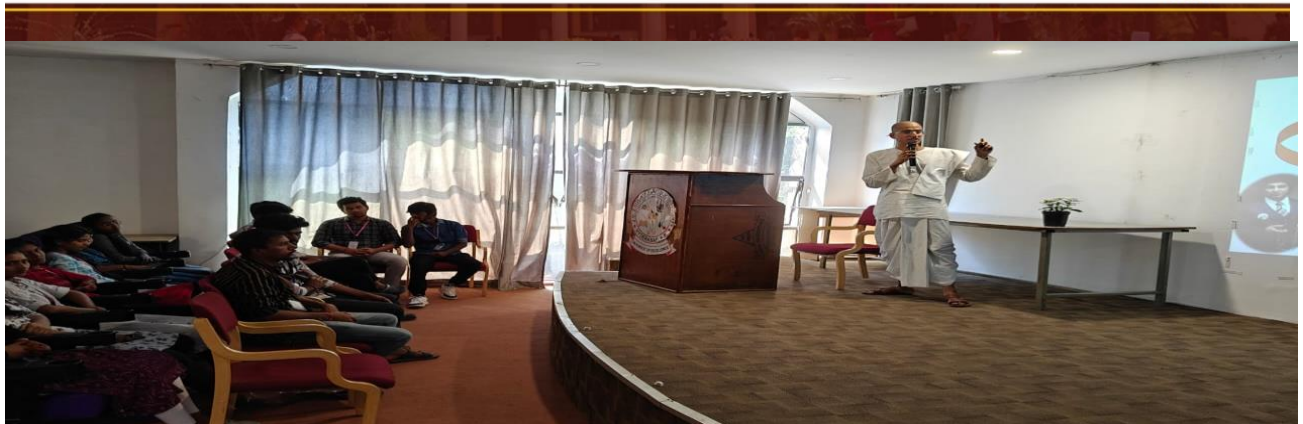
December 2025

Volume 2, Issue02

**J.B. INSTITUTE OF
ENGINEERING & TECHNOLOGY**



ACCREDITED BY **NAAC** - GRADE "A"
WITH HIGH SCORE **3.23**



Department of ECE

Vision:

To be a guiding force enabling multifarious applications in Electronics and Communications Engineering, promote innovative research in the latest technologies to meet societal needs.

Mission:

- To provide and strengthen core competencies among the students through expert training and industry interaction.
- To promote advanced designing and modeling skills to sustain technical development and lifelong learning in ECE.
- To promote social responsibility and ethical values, within and outside the department.

INSIDE HIGHLIGHTS:

HOD'S MESSAGE

EVENTS

STUDENTS ACHIEVEMENTS ARTICLES

Program Educational Objectives (PEOs):	
PEO 1	Practice Technical skills widely in industrial, societal and real time applications.
PEO 2	Engage in the pursuit of higher education, delve into extensive research and development endeavors, and explore creative and innovative ventures in the domains of science, engineering, technology.
PEO 3	Exhibit professional ethics and moral values and capability of working with professional skills to contribute towards the need of industry and society.

Program Specific Outcomes (PSOs):	
PSO 1	Carry out the Analysis and Design different Analog & Digital circuits with given specifications.
PSO 2	Construct and test different communication systems for various applications.

Program Outcomes (POs):	
P01 Engineering Knowledge	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
P02 Problem Analysis	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
P03 Design/Development of Solutions	Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.
P04 Conduct Investigations of Complex Problems	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
P05 Modern Tool Usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
P06	Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the

The Engineer and Society	consequent responsibilities relevant to professional engineering practice.
P07 Environment and Sustainability	Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
P08 Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
P09 Individual and Team Work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
P010 Communication	Communicate effectively on complex engineering activities with the engineering community and with society at large.
P011 Project Management and Finance	Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.



Dr. S K Chaya Devi

From the Head of Department's Desk

It is with great pride and enthusiasm that I present this edition of the Department of Electronics and Communication Engineering newsletter. At J. B. Institute of Engineering & Technology, the ECE Department continuously strives to create a vibrant academic environment that encourages innovation, critical thinking, and professional excellence.

The semester has been highly fulfilling, reflecting the dedicated efforts of our faculty members, the active participation of our students, and the unwavering support of our management and alumni. Notable achievements in student projects, research publications, industry collaborations, and the successful conduct of seminars, workshops, and technical programs highlight the department's commitment to holistic development.

As we move forward, we remain focused on strengthening research culture, enhancing industry engagement, and nurturing entrepreneurial skills among students. With rapid advancements in areas such as Artificial Intelligence, Internet of Things, VLSI, Embedded Systems and 5G technologies, the department continues to adapt its academic practices to meet global technological demands. Together, with the collective efforts of faculty,

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Warm regards,

Dr. S K Chaya Devi

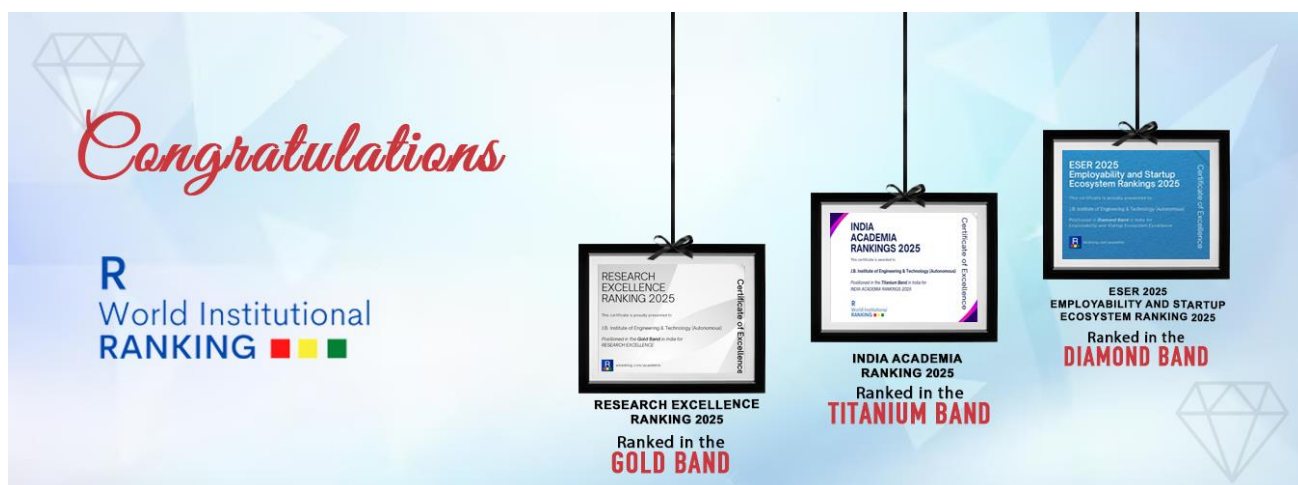
Head of the Department

Events Conducted:

- 3 Days VLSI Training Session 2nd September, 2025 to 4th September 2025.
- The Art of Mind Control on 13th November 2025.
- Alumnus Interaction Session on VLSI and current market trends on 14th November 2025.
- Guest Lecture on Importance of Speech Recognition on 20th November 2025

Department Highlights

1. Accreditations, Recognitions, and Rankings



2. MoUs and Collaboration

- MOU with Jadavpur University, Jadavpur, West bengal

3. New Labs and Infrastructure Upgrades: DST FIST LAB Established students are enrolled to PhD programs under the FIST LAB

4. Innovation in Teaching and Learning: **I2Hub – Inclusive Innovation Hub** center is established

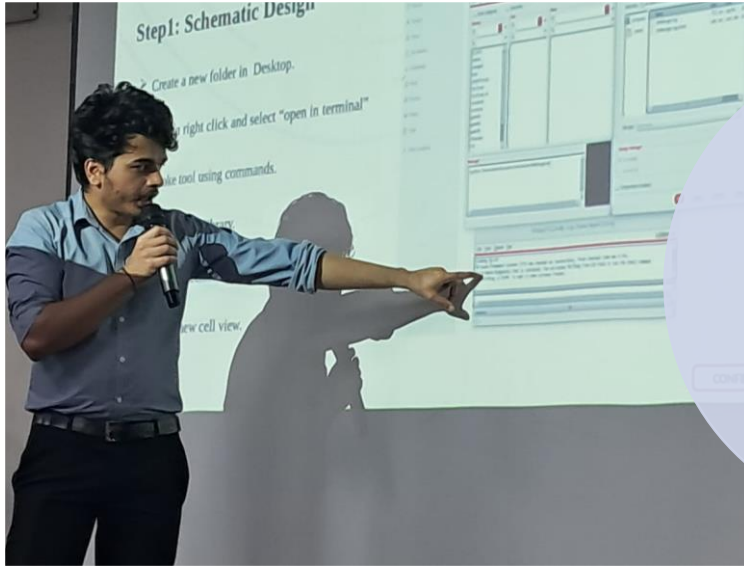


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Introduction Session by Mr. Kishore kumar Bunga (Faculty along with Entuple Staff)

The training was an intensive, three-day deep dive into the world of IC design, covering the complete end-to-end process for both full-custom and semi-custom methodologies. Day 1 focused on the fundamentals of full-custom design using 180nm technology, while Day 2 explored the more complex RTL-to-GDSII semi-custom flow using a 90nm technology node. The sessions combined theoretical instruction with practical, hands-on examples to solidify understanding.

The training provided by the department explores the practical exposure to a wide range of industry-standard Cadence tools: **Virtuoso Schematic Editor**, **Spectre**: For circuit simulation, **Virtuoso Layout Suite**: For creating physical layouts. **Assura**: For physical verification (DRC & LVS). **Quantus**: For RC Extraction. **Simvision**: For analyzing simulation waveforms. **Genus**: For synthesis. **Conformal LEC**: For logical equivalence checking and verification.

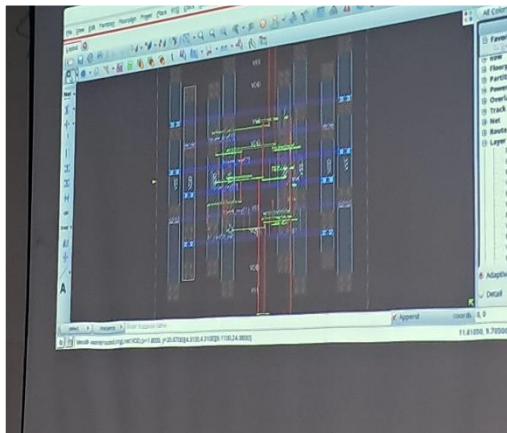


Practical Exposer along with the Technical session

Technical Session



Schematic



Organized by the Department of Electronics and Communication Engineering, JBIET

The Department of Electronics and Communication Engineering, J.B. Institute of Engineering and Technology (JBIET), successfully organized an Alumnus Interaction Session on VLSI and current market trends.

The primary objective of the session was to provide current Electronics and Communications Engineering students with direct industry insight into the field of Very Large Scale Integration (VLSI). The event aimed to bridge the gap between academic curriculum and real-world applications by hosting Mr. Praneeth Kumar Reddy Gillela, an accomplished alumnus (2006-2010 batch) and a Senior Member of Technical Staff at AMD India Pvt Ltd. The goal was to educate students on current semiconductor trends, a practical VLSI design flow, and the skills necessary to succeed in the industry.



Understanding of Semiconductor Ecosystem by Alumni



Alumni Interaction with Staff and students



Student Interaction

This Alumnus Interaction program the students of Department of ECE are able to know about how the semiconductor industry is rapidly evolving, with a focus on advanced nodes like 2nm and 3nm, making it a challenging and exciting field. By the program the students are benefitted with holistic understanding of the entire design flow, as each stage impacts the others. RTL, Verification, and Physical Design were highlighted as critical, high-demand skill areas for new graduates to focus on.

The Department of Electronics and Communications Engineering at JBIET organized an insightful session titled "Art of Mind Control" on November 13, 2025. The primary objective of the seminar was to provide students with practical tools to manage stress, improve focus, and navigate the mental challenges associated with academic and personal life.

The event was led by **H.G. Adi Govinda Das Prabhu**, a postgraduate from NIT Surat. During his graduation, he found inspiration in the teachings of the Bhagavad Gita. After working in the corporate sector for a year, he dedicated his life to spiritual service, joining the Travelling Sankirtan Party to preach the message of the Bhagavad Gita across India. Currently serving at ISKCON Attapur, he actively guides youth on the path of karma.

Event proceedings



**By: H G Adi Govinda
Das Prabhu**

***Motivational
Session on
"The Art of Mind
Control"
Organized
by
Dept. of
ECE
on
13th November
2025***

Art of Mind by Expert



300 + STUDENTS
PARTICIPATED

Session Highlights and Key Teachings:

The session covered the nature of the human mind, the consequences of an uncontrolled mind, and practical solutions for mental management.

The "Art of Mind Control" seminar was a resounding success. It bridged the gap between modern scientific research and ancient Vedic wisdom, providing ECE students with actionable

techniques to enhance their mental resilience and focus. The combination of scientific data and spiritual insights made the session highly relevant for the engineering students in attendance.

A. The Nature of the Mind

The speaker established that the mind can be a dual-edged sword. If managed well, "It is your best friend," but if unmanaged, "It will be your greatest enemy".

- **The Knife Analogy:** The mind was compared to a knife; in a surgeon's hand, it can save a life, but in a miscreant's hand, it can kill.
- **The Chariot Analogy:** Using Vedic wisdom, the speaker explained the "Chariot of the Body," where the Soul is the passenger, Intelligence is the driver, the Mind represents the reins, and the 5 Senses are the horses. The driver (Intelligence) must control the reins (Mind) to guide the horses (Senses) .

B. Consequences of an Unmanaged Mind

The speaker highlighted that an uncontrolled mind leads to various personal and societal issues, including:

- **Internal Struggles:** Depression, lack of confidence, loss of trust, and overthinking.
- **External Consequences:** Damaged relationships, bad habits (smoking, liquor), and aggressive behaviors.
- **Root Causes:** The presentation identified "Lust" and "Anger" (Kama and Krodha) as the viruses that corrupt the mind.

C. The Solution: The ABCD Formula

To combat these negative influences, H.G. Adi Govinda Das Prabhu introduced the "ABCD Formula" for mind control:

- **A - Association:** Being mindful of the company one keeps. The "Garbage In, Garbage Out" (GIGO) principle applies to the books we read, movies we watch, and friends we associate with.
- **B - Books:** Reading spiritual literature like the *Bhagavad Gita As It Is* and *Srimad Bhagavatam*.

- **C - Chanting:** Engaging in Mantra Meditation.
- **D - Diet:** Regulating food habits.

D. The Science of Mantra Meditation

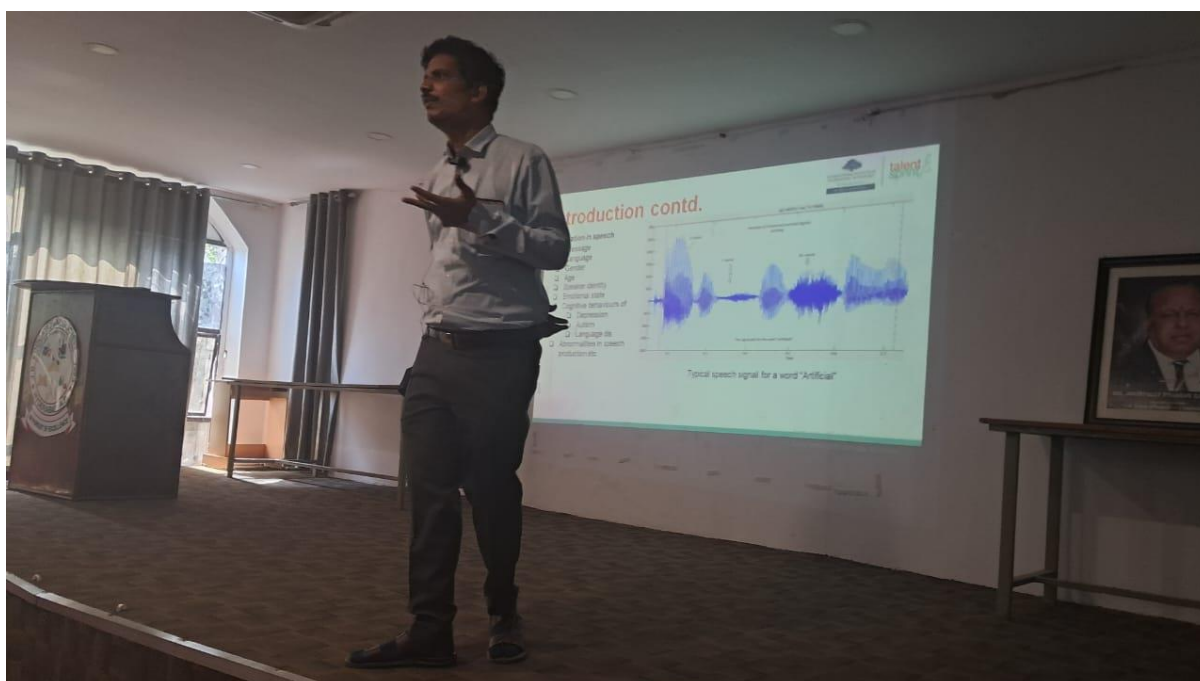
A significant portion of the session focused on the power of chanting the Hare Krishna Mahamantra. **Scientific Evidence:** The speaker presented research by Dr. David Wolf, which showed that regular chanting significantly decreases stress and depression while increasing "Sattva" (purity/clarity). **Brain Wave States:** Meditation helps shift the brain from a "Hyperactive zone" to an "Alpha zone" (Relaxed Alert zone), fostering a state of relaxed alertness. **Testimonials:** Quotes from prominent figures like George Harrison (The Beatles), Alfred Ford (Ford Motors), and Hema Malini were displayed, attesting to the stress-relieving power of chanting.



Dr. Anil Kumar Vuppala



The Electronics and Communication Engineering Department at **J.B. Institute of Engineering & Technology (JBIET)** organized a **Guest Lecture on The Importance of Speech Recognition**, which was held on 20th November, 2025.



- Dr. Vuppala opened the session by defining Speech Recognition (Automatic Speech Recognition - ASR) as the interdisciplinary sub-field of computer science and computational linguistics that develops methodologies and technologies that enable the recognition and translation of spoken language into text by computers.
- He highlighted that speech is the most natural mode of human communication, making it the ideal interface for human-computer interaction (HCI). He outlined the evolution of the field from simple command-based systems to today's complex conversational agents.
- The session was a comprehensive overview of the speech domain, balancing heavy mathematical concepts (Fourier Transforms) with social applications (Bhashini). Dr. Vuppala's core message was clear: Speech recognition is not just about convenience; it is about accessibility, and the future of this technology lies in rigorous, indigenous research.

Department achievement

Patent Publications 2025-26

S. No.	Title of Patent	Name of the Faculty	Patent Details (Appl. No. /Ref. No. &Date of filing)
1.	A SYSTEM AND METHOD FOR REAL-TIME CONTEXT-AWARE IMAGE 3 RECOGNITION IN AUTONOMOUS VEHICLES USING HYBRID NEURAL ARCHITECTURES	Bijaya Kumar Muni Dr. Shravan kumar B Samatha Gaddam Akula jyothi	202541047153 A 16/05/2025
2.	ADAPTIVE SIGNAL PROCESSING METHOD AND SYSTEM FOR ENHANCED COMMUNICATION PERFORMANCE	Dr. Himanshu Sharma Dr. Salauddin Mohammad Mrs. K. Snehalatha Gadmuru Mary Pushpa	202541046320 A 14/05/2025
3.	A SYSTEM AND METHOD FOR LOW-POWER INTEGRATED CIRCUIT DESIGN IN WIRELESS SENSOR NETWORKS	Dr. Salauddin Mohammad Nagabathula Ramesh Babu Dr. Himanshu Sharma G. Surekha	202541047148 A 16/05/2025
4.	IOT ENABLED PRECISION AGRICULTURE SYSTEM FOR IRRIGATION EFFICIENCY AND CROP YIELD OPTIMIZATION.	Dr. S. K. Chaya Devi	202541015282 A 07/03/2025
5.	PORTABLE COMPUTER MAINTENANCE DEVICE	Dr. Himanshu Sharma	202511093625 A 29/09/2025
6.	PREDICTIVE MODELLING FOR SONG REPETITION IN A MUSIC STREAMING SERVICE	Panjala Kavitha	202541041138 A 29/04/2025
7.	Face Recognition and Voice assist-based Vehicle ignition and Controlling System	Panjala Kavitha	202541007273 A 29/01/2025
8.	QRS Detection Algorithm with Adaptive Time and Amplitude Thresholding for Indian Healthcare Systems	Panjala Kavitha	202541043217 A 05/05/2025
9.	Wireless LoRa Communication Based Industrial Sensor Monitor and Security Alert System	Panjala Kavitha	202541043419 A 05/05/2025
10.	Implementation of FIFO using ternary content addressable memories	Panjala Kavitha	2025-10483 16/05/2025
11.	Multimodal Disaster Detection System Using Hybrid BiLSTM-Attention-CNN-XGBoost Neural Network	G Mary Pushpa	202541058816 A 19/06/2025
12.	Adaptive Wind Speed Forecasting System Using Functional Data Analysis	G. Mary Pushpa	202541060702 A 25/06/2025
13.	Quality Driven Web Service Classification Using Semi-Supervised Techniques	G. Mary Pushpa	202541085240 A 08/09/2025

Faculty Publications in Journal, Academic Year 2025-2026

S. No:	Name of the Author(s)	Name of the Journal	Title of the paper	Vol. No and Page nos.	ISBN/ISSN	Date
1.	Dr.Himanshu Sharma	Journal of Communications	Punishment Mechanism for Cognitive radio networks in advanced wireless communication systems	Vol.20.no.5 2025 619-631	ISSN	Published on Oct,21 st ,2025
2.	Dr.Himanshu Sharma	Journal of Information systems engineering and management	Performant Algorithm to Identify the Extranodal Extension Using Artificial Intelligence	502-514	e-ISSN 2468-4376	Accepted 27th feb,2025
3.	Dr.Himanshu Sharma	Journal of Polymer and composites	Structures and Sensors of Polymer optical fibers for last mile networks	Vol.13 166-172	ISSN 2231-3826	Issue.01.2025
4.	Dr.Himanshu Sharma	International Journal for Research Trends and Innovation	ATM SECURITY SYSTEM USING BIOMETRIC AUTHENTICATION, GSM ALERTS, AND GPS TRACKING WITH STM32 CONTROLLER	Vol.10 b378-b385	ISSN 2456-3315	Issue 3, march 2025
5.	Dr.Himanshu Sharma	International Journal for Research Trends and Innovation	IOT BASED SMART DUSTBIN MONITORING AND ALERT SYSTEM USING GSM	Vol.10 b595-b601	ISSN 2456-3315	Issue 3,march 2025
6.	Dr.Himanshu Sharma	International Journal for Research Trends and Innovation	SMART VIDEO SURVEILLANCE WITH WIRWLESS NOTICE ANNOUNCEMENT VEHICLE FOR COLLEGES	Vol.10 b311-b318	ISSN 2456-3315	Issue 3,march 2025

7.	Dr. Md Salauddin	High Technology Letters	STUDIES ON ELECTRICAL PROPERTIES OF METAL OXIDE NANO COMPOSITES	Vol.31 432-437	ISSN 1006-6748	Issue 2,2025
8.	Mrs. G. Samatha	International Journal for Research Trends and Innovation	IOT BASED SMART DUSTBIN MONITORING AND ALERT SYSTEM USING GSM	Vol.10 b609-b615	ISSN 2456-3315	Issue 3,march 2025
9.	Mrs. G. Samatha	International Journal for Research Trends and Innovation	DESIGN AND ANALYSIS OF A 4×4 DADDA MULTIPLIER IMPLEMENTED USING 45NM CMOS TECHNOLOGY	Vol.10 b319-b327	ISSN 2456-3315	Issue 3,march 2025
10.	Mrs. G. Samatha	Journals Elsevier	DRSC Net: End-to-end attention-guided segmentation and sequence-aware classification for diabetic retinopathy	1-18	ISSN2272-9419	10 Dec,2025
11.	Mrs. G. Samatha	International Journal of Engineering Technology Research & Management	SIGN LANGUAGE TO TEXT CONVERSION USING FLEX SENSORS	Vol.09 72-76	ISSN 2456-9348	Issue 4,April 2025
12.	Mrs. A. Jyothi	International Journal of Engineering Technology Research & Management	CNN BASED EMOTION MAPPING SYSTEM	Vol.09 339-243	ISSN 2456-9348	Issue 3,March 2025
13.	Mrs. A. Jyothi	International Journal of Engineering Technology Research & Management	ENHANCED COMMUNICATION USING GESTURE RECOGNITION AND DIRECT TRANSLATION SYSTEM FOR DEAF AND DUMB	Vol.09 302-307	ISSN 2456-9348	Issue 3,March 2025
14.	Mrs. K. Shilpa	International Journal of Engineering Science and Advanced Technology	SELF-ERROR CORRECTION ACCUMULATION MODULES IN MULTIPLY-ACCUMULATE UNIT DESIGN FOR ENHANCED ACCURACY	Vol.25 199-206	ISSN 2250-3676	Issue 12,2025

Papers Published by Faculty in Conferences: 2025-26

S. No.	Title of Paper	Name(s) of the Author(s)	Details of Proceedings (in IEEE format)
1.	Leaf Disease Detection Using Deep Learning and IoT Automation	Dr. S.K. Chaya Devi	5th International Conference on Soft Computing for Security Applications (ICSCSA-2025) DVD Part Number: CFP256A9-DVD; ISBN: 979-8-3315-9490-9
2.	Advancing Image Illumination Through Intrinsic Transfer	Dr. S.K. Chaya Devi	5th International Conference on Soft Computing for Security Applications (ICSCSA-2025) DVD Part Number: CFP256A9-DVD; ISBN: 979-8-3315-9490-9
3	Implementing Machine Learning for AI-Powered Solutions in Robotics, Computer Vision, and Natural Language Processing	Dr. B.Shravan Kumar	2025 Global Conference in Emerging Technology (GINOTECH) Pune, India. May 09 - 11, 2025
4	Epilepsy Detection Using EEG Signals with a Hybrid CNN-LSTM Deep Learning Model	Mrs. P. Kavitha	7 th International conference on communication and Intelligent systems (ICCIS 2025), BITS PILANI INDIA, SEPTEMBER 26-27, 2025
5	MixSent: Evaluating Sentiment in Telugu-English Code-Mixed Conversations	Mrs. P. Kavitha	1 ST IEEE International conference on Data science and intelligent network computing (ICDSINC 2025), NIT Raipur india, Dec 09-11 2024
6	Design of SRAM Cell Using Modified LECTR and Dual Threshold Method Based on Fin FET	Dr. Himanshu Sharma, Sirisilla Pooja	International conference on emerging trends in computational sciences & engineering (ICETCSE - 2025) 18 – 20, December 2025
7	Comparative Study of Different Image Dehazing Techniques	Dr. S.K Chayadevi, Cheeti Prakash	International conference on emerging trends in computational sciences & engineering (ICETCSE - 2025) 18 – 20, December 2025
8	Multi Camera Person Tracking And Re-Identification	Dr. S. K. Chaya Devi Dept. of Electronics & Communication	International conference on emerging trends in computational sciences & engineering (ICETCSE - 2025) 18 – 20, December 2025

4	Chip design flow of 6T,7T,8T and 9T static random access memory using VLSI development tool	Dr.Md.Salauddin	Presented
5	Designing a Microstrip Patch Antenna for Cognitive Radio Applications	Dr.Himanshu sharma	Presented
6.	Predictive Modeling of congenital Heart disease using ML and Deep learning frameworks	Dr. B.Shravan Kumar	Presented
7	Effective error reduction of OFDM systems using optimal preface based maximum likelihood based channel estimation	Mrs.K.Snehalatha	Presented
8	Supervised machine learning for road anomaly detection and drivable area segmentation using self supervised label generator	Mrs.G.Samatha	Presented
9	Machine learning algorithms over SMOTE and ADASYN oversampling techniques in darknet traffic classifier system	Mr.N.Ramesh Babu	Presented
10	Predictive Modeling of congenital Heart disease using ML and Deep learning frameworks	Mrs.A.Jyothi	Presented
11	Deep learning based tuberculosis detection from chest X-Ray images	Mrs.G.Mary Pushpa	Presented

FDP Attended

S.No	FDP / Course Name	Faculty Name	Certifying Institute
1	5G Wireless Standard Design	Dr. Salauddin Mohammad	NPTEL-AICTE (IIT Madras)
2	Recent Advancement in Deep Learning & Computer Vision	Mrs. Nomula Mounika	E&ICT Academy, NIT Warangal
3	Teaching ECE Lab subjects using free Simulators	Mrs. K Snehalatha	NITTTR Chandigarh
4	PCB Design and Fabrication	Mrs. Pothumahanti Udayasree	IDEA Labs, JNTUH
5	AI Enhanced Research Writing: Tools and Techniques	Mrs. Mounika Nomula	ICFAI University, Raipur
6	PCB Design and Fabrication	Mr. Danish Khaleel Ahmed	IDEA Labs, JNTUH
7	The Art and Science of Successful Proposal Writing	Mrs. Nomula Mounika	CVR College of Engineering
8	PCB Design and Fabrication	Mrs. Nomula Mounika	IDEA Labs, JNTUH
9	Teaching ECE Lab subjects using free Simulators	Mr. Bijaya Kumar Muni	NITTTR Chandigarh
10	Teaching ECE Lab subjects using free Simulators	Mrs. Akula Jyothi	NITTTR Chandigarh
11	Teaching ECE Lab subjects using free Simulators	Mrs. Shilpa K	NITTTR Chandigarh
12	The role of AI in Space Exploration (AICTE-VAANI)	Mrs. Gadmurug Mary Pushpa	AICTE & Shadan College
13	Introduction To Internet Of Things	Mrs. K Snehalatha	NPTEL-AICTE (IIT Madras)
14	ML and Generative AI for Health Care Innovation	Dr. Himanshu Sharma	AICTE ATAL (JBIET)
15	Teaching ECE Lab subjects using free Simulators	Mrs. Madhavuni Sandhya Rani	NITTTR Chandigarh
16	Teaching ECE Lab subjects using free Simulators	Mr. Bijaya Kumar Muni	NITTTR Chandigarh
17	Teaching ECE Lab subjects using free Simulators	Mrs. Gadmurug Mary Pushpa	NITTTR Chandigarh
18	Enabling Technologies for 6G Communications	Dr. Salauddin Mohammad	NPTEL-AICTE (IIT Madras)
19	Workshop on Outcome Based Education (Expert)	Mrs. K Snehalatha	JBIET
20	Teaching ECE Lab subjects using free Simulators	Mrs. Samatha Gaddam	NITTTR Chandigarh
21	Teaching ECE Lab subjects using free Simulators	Dr. B. Shravan Kumar	NITTTR Chandigarh
22	Teaching ECE Lab subjects using free Simulators	Mr. Rajkumar D Bhure	NITTTR Chandigarh
23	Teaching ECE Lab subjects using free Simulators	Miss. G Surekha	NITTTR Chandigarh
24	Teaching ECE Lab subjects using free Simulators	Mrs. Shilpa K	NITTTR Chandigarh
25	Teaching ECE Lab subjects using free Simulators	Dr. Himanshu Sharma	NITTTR Chandigarh
26	Institutional Development Plan (IDP) Awareness	Dr. Himanshu Sharma	TGCHE & IAE Hyderabad
27	Teaching ECE Lab subjects using free Simulators	Dr. Salauddin Mohammad	NITTTR Chandigarh
28	Teaching ECE Lab subjects using free Simulators	Mrs. Akula Jyothi	NITTTR Chandigarh
29	Introduction To Internet Of Things	Mrs. Shilpa K	NPTEL-AICTE (IIT Madras)

	Machine learning and deep learning - fundamental applications	Mrs. Panjala Kavitha	NPTEL-AICTE(IIT MADRAS)
	Data base management system	Mrs. Panjala Kavitha	NPTEL-AICTE(IIT MADRAS)
	Introduction to Internet of Things	Mrs. Panjala Kavitha	NPTEL-AICTE(IIT MADRAS)
	Natural Language Processing	Mrs. Panjala Kavitha	NPTEL-AICTE(IIT MADRAS)
	Reinforcement Learning	Mrs. Panjala Kavitha	NPTEL-AICTE(IIT MADRAS)

NPTEL Courses Completed by Students

S.No	Course Name	Student Name
1.	Communication Networks	Mojerla Priyanka
2.	Computer Architecture	Pradamesh Bingi
3.	Digital VLSI Testing	M Akhil Reddy
4.	Hardware Modeling using Verilog	M Akhil Reddy
5.	Hardware Modeling using Verilog	Pradamesh Bingi
6.	Sensors and Actuators	Palakurthi Nikhil
7.	Programming In Java	Chintha Vamshi Krishna
8.	Programming In Java	Sharath Tanikella
9.	Sensors and Actuators	Mudimadugula Sai Krishna
10.	The Joy of Computing using Python	Sarapu Varshini Guptha
11.	Sensors and Actuators	Daram Abhilash
12.	Sensors and Actuators	Mudimadugula Sai Krishna
13.	Programming In Java	Sharath Tanikella
14.	Semiconductor Devices for next generation FET	K Vamshi Reddy
15.	Semiconductor Devices for next generation FET	Perupu Sailaja

NPTEL Courses Completed by Faculty

S. No	Name	NPTEL Course Name	Faculty/Coordinator Name	Coordinating Institute
1.	Dr. Salauddin Mohammad	Enabling Technologies for 6G Communications Networks (Hindi)	Dr. Anand Srivastava	IIT Delhi
2.	Mrs. Akula Jyothi	Introduction to Machine Learning	Prof. Balaraman Ravindran*	IIT Madras
3.	Mrs. Samatha Gaddam	Computer Architecture and Organization	Prof. Indranil Sengupta & Prof. Kamalika Datta*	IIT Kharagpur
4.	Mrs. K Snehalatha	Introduction to Machine Learning	Prof. Balaraman Ravindran*	IIT Madras
5.	Miss. Gera Surekha	Introduction to Machine Learning	Prof. Balaraman Ravindran*	IIT Madras
6.	Mrs. P. Kavitha	Introduction to Internet of Things	Prof. Sudip Misra	IIT Kharagpur
7.	Mrs. P. Kavitha	Natural Language Processing	Prof. Pawan Goyal	IIT Kharagpur
8.	Mrs. P. Kavitha	Data Base Management System	Prof. Partha Pratim Das & Prof. Samiran Chattopadhyay	IIT Kharagpur
9.	Mrs. P. Kavitha	Reinforcement Learning	Prof. Balaraman Ravindran	IIT Madras
10.	Mrs. P. Kavitha	Machine Learning and Deep Learning: Fundamentals and Applications	Prof. M. K. Bhuyan	IIT Guwahati
11.	Mrs. A. Jyothi	Introduction to Internet of Things	Prof. Sudip Misra	IIT Kharagpur
12.	Mrs. G Mary Pushpa	Introduction to Internet of Things	Prof. Haimanti Banerji	IIT Madras
13.	Mrs. G Mary Pushpa	Introduction to Industry 4.0 & Industrial Internet of Things	Prof. Haimanti Banerji	IIT Kharagpur
14.	Mrs. G Mary Pushpa	Cloud Computing	Prof. Haimanti Banerji	IIT Kharagpur
15.	Mrs. G Mary Pushpa	Computer vision and image processing Fundamentals & Applications	Prof. T. V. Bharat	IIT Guwahati
16.	Mrs. G Mary Pushpa	Introduction to Machine Learning	Prof. Vignesh Muthuvijayan	IIT Madras
17.	Mrs. K. Shilpa	Introduction to Machine Learning	Prof. Balaraman Ravindran	IIT Madras
18.	Dr. Himanshu Mishra	Deep Learning	Prof. Sudarshan Iyengar & Prof. Padmavati	IIT Ropar

No of students undertaking field projects/internships

120

S.NO	Students	Class	Company	Duration
1.	All Students	3 rd year 2 nd sem	Physitech consultancy services pvt.Ltd	13-10-25 to 18-10-25

**No of students
undertaking field
projects/internships**

130

S.NO	Students	Class	Company	Duration
1.	All Students	2 rd year 2 nd sem	Phytec pvt.Ltd	12-05-25 to 07-06-25

Acknowledgement

We extend our heartfelt gratitude to the Management, Principal, faculty coordinators, student volunteers, and invited experts for their invaluable contributions toward the successful organization of the departmental events. Their collective efforts continue to strengthen the academic and research culture of the ECE Department.

“We appreciate your interest in our updates Look
forward to connecting you soon”

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