KPR Institute of Engineering and Technology
(Autonomous)
Avinashi Road, Arasur, Coimbatore - 641 407
LEARN BEYOND

Department of Electronics and Communication Engineering
(Accredited by NBA)

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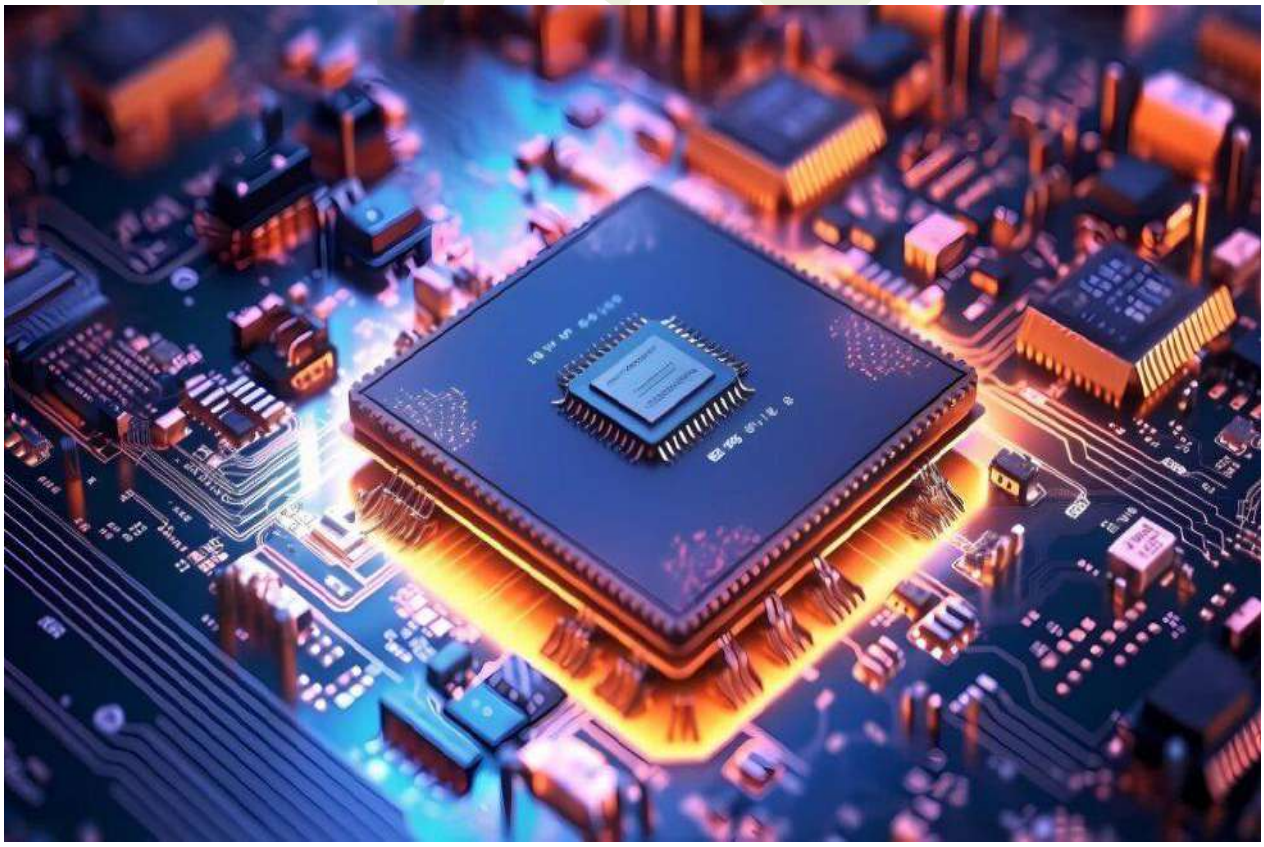

EDITORIAL BOARD

Vision

To be a center of excellence for education, research and development in the field of Electronics and Communication engineering to meet the growing needs of society.

Mission

- Develop competencies in emerging technologies through skill-based education collaborating with industries of repute
- Provide conducive environment for research and innovation to cater to the needs of society
- Inculcate professionalism, ethical values and lifelong learning

Program Educational Objectives

- PEO1: Apply principles of Electronics and Communication Engineering to provide solutions to the emerging problems in society.
- PEO2: Embrace technological challenges through skill upgradation or higher education or research.
- PEO3: Exhibit leadership qualities with professional and ethical values

EVENTS ORGANIZED

Electronic Design Automation Tools: CADENCE and Vivado

The Department of Electronics and Communication Engineering (ECE), KPR Institute of Engineering and Technology (KPRIET), successfully organized a Two-Day Workshop on “Electronic Design Automation Tools: CADENCE and Vivado” on 22 and 23 January 2026 in hybrid mode.

The workshop was coordinated by Dr. J. Indra and Ms. M. Supriya and featured expert sessions by Dr. J. Prasad, Dr. J. Muralidharan, Mr. RamNivas, and Dr. Ashish Ranjan Shadangi. The sessions provided participants with valuable insights into modern Electronic Design Automation (EDA) tools and their applications in VLSI and FPGA design. The programme offered hands-on training in ASIC and FPGA development using Cadence and Xilinx Vivado tools, covering HDL programming, digital circuit design, simulation, verification, and hardware implementation. Participants gained practical exposure to industry-relevant design methodologies, enhancing their technical competencies in VLSI, FPGA, and embedded systems.

The workshop supported SDG 4 – Quality Education and SDG 8 – Decent Work and Economic Growth, reinforcing KPRIET’s commitment to providing industry-oriented learning experiences and fostering technical excellence among students.

Industry Academia Conclave

The Department of ECE, KPR Institute of Engineering and Technology (KPRIET), successfully organized an Industry Academia Conclave on 21 February

2026 from 11:00 AM to 01:00 PM. The event was designed to bridge the gap between academia and industry by providing students with insights into emerging technologies, industry expectations, and evolving career opportunities.

Mr. Senthil Kumar R, Assistant General Manager, ZF Wind Power, served as the Resource Person and shared valuable perspectives on current industrial practices, technological advancements, and the skills required to excel in the professional environment. His interactive session enabled students to gain a deeper understanding of industry trends and workplace expectations.

The programme was convened by Dr. Jagadesh T and witnessed the enthusiastic participation of 63 students. The conclave enhanced students' industry awareness and career readiness while supporting SDG 4 – Quality Education, reflecting KPRIET's commitment to fostering industry-oriented learning and professional development.

Workshop on Post Silicon Validation

The Department of ECE, KPR Institute of Engineering and Technology (KPRIET), in association with the VLSI Laboratory, successfully organized a workshop on "Post Silicon Validation" on 21 February 2026 as part of FIESTAA '26. The session was conducted on campus from 11:00 AM to 12:30 PM to provide participants with practical insights into VLSI testing and semiconductor validation processes.

The workshop was delivered by Dr. C. Kalyana Sundaram, Lead – Test Engineering, Caliber Interconnects, who shared valuable knowledge on silicon bring-up, debugging techniques, validation workflows, failure analysis, and career opportunities in the semiconductor and VLSI testing domains. The session offered participants an understanding of industry practices and emerging trends in semiconductor validation.

The programme was coordinated by Dr. P. Pandiyan and convened by Dr. J. Indra, with active participation from faculty members, internal students, and external participants. The workshop enhanced technical competencies, industry readiness, and awareness of advanced semiconductor technologies, while contributing to SDG 4 – Quality Education and SDG 9 – Industry, Innovation and Infrastructure.

Guest Lecture on Digitalization and Industry 4.0 for Smart Factory Automation

The Department of ECE, KPR Institute of Engineering and Technology (KPRIET), successfully organized a guest lecture on “Digitalization and Industry 4.0 for Smart Factory Automation” on 21 February 2026. The session was conducted from 11:00 AM to 12:00 PM with the objective of introducing students to emerging industrial technologies, smart manufacturing practices, and the transformative impact of Industry 4.0.

The lecture was delivered by Mr. Senthil Kumar R, Assistant General Manager, ZF Wind Power, who shared valuable insights on digitalization, automation technologies, smart factory systems, workforce expectations, and future industrial trends. The session highlighted the growing significance of intelligent manufacturing and the skills required to thrive in modern industrial environments.

The programe was convened by Dr. T. Jagadesh and witnessed enthusiastic participation from students and faculty members. The lecture provided participants with a deeper understanding of current industrial practices, career opportunities, and industry–academia collaboration, thereby enhancing their professional readiness and technological awareness. The event contributed towards SDG 4 – Quality Education, reinforcing KPRIET's commitment to industry-oriented learning and skill development.

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Cadence EDA Tools: From Schematic to Layout – A Practical Approach

The Department of ECE, KPR Institute of Engineering and Technology (KPRIET), in association with ISTE, successfully organized a one-week training program on "Cadence EDA Tools: From Schematic to Layout – A Practical Approach" from 02 March 2026 to 06 March 2026 at the DSN Lab.

The training programme provided participants with comprehensive hands-on experience in VLSI IC design using Cadence EDA tools. The sessions covered key aspects of the VLSI design flow, including schematic design, circuit simulation, layout creation, Design Rule Check (DRC), and Layout Versus Schematic (LVS) verification.

Through practical demonstrations and laboratory exercises, students gained valuable exposure to CMOS circuit design and semiconductor design methodologies.

The programme was coordinated by Dr. M. Kathirvelu and Dr. J. Muralidharan, with technical sessions conducted by Dr. J. Muralidharan, Dr. J. Prasad, and Mr. D. Ram Nivas of KPRIET. The training enhanced participants' technical competencies, practical design skills, and industry readiness in the field of VLSI and semiconductor technology. The initiative contributed towards SDG 4 – Quality Education, reflecting KPRIET's commitment to providing quality technical education and industry-relevant skill development.

Guest Lecture on IoT Protocols

The Department of ECE, KPR Institute of Engineering and Technology (KPRIET), successfully organized a guest lecture on "IoT Protocols – Technical Understanding" on 14 March 2026 from 10:00 AM to 11:00 AM. The session was designed to provide students with a comprehensive understanding of IoT communication protocols and their significance in enabling connected and intelligent systems. The lecture was delivered by Mr. Hemanand Ramasamy, CEO, Machdatum Private Limited, who shared valuable insights on IoT networking, protocol architectures, data transmission mechanisms, connectivity standards, and real-world industrial applications. The session highlighted the role of communication protocols in ensuring efficient and secure interaction among smart devices within IoT ecosystems.

The programme was coordinated by Dr. T. Jagadesh and witnessed enthusiastic participation from students and faculty members. The lecture enhanced participants' knowledge of emerging IoT technologies, smart device communication, and career opportunities in the rapidly evolving field of the Internet of Things. The initiative contributed towards SDG 4 – Quality Education, reinforcing KPRIET's commitment to industry-oriented learning and technological advancement**.**

Strategic Preparation for UPSC: Early Planning for Engineers

The SC/ST Cell of KPR Institute of Engineering and Technology (KPRIET) successfully organized an awareness session on "Strategic Preparation for UPSC: Early Planning for Engineers" on 24 March 2026 from 02:00 PM to 04:00 PM at Veena Hall for first-year students. The programme aimed to create awareness about Civil Services examinations and encourage students to begin their preparation with a structured and focused approach.

The session was delivered by Mr. Gughan Veliyappa, Certified Corporate Trainer and UPSC Mentor, who provided valuable insights into the UPSC examination structure, syllabus planning, preparation strategies, current affairs, and effective time management techniques. He also highlighted the importance of consistency, discipline, and early planning in achieving success in competitive examinations.

The programme was convened by Dr. K. Sharmila and coordinated by Dr. I. Baranilingesan, Dr. E. Ranjith Kumar, and Dr. N. Arunkumar. Around 120 students actively participated in the interactive session, which motivated them to explore career opportunities in the Civil Services and develop a roadmap for competitive exam preparation. The initiative contributed towards SDG 4 – Quality Education, SDG 8 – Decent Work and Economic Growth, and SDG 10 – Reduced Inequalities, reflecting KPRIET's commitment to empowering students through career guidance and inclusive educational opportunities.

FACULTY PUBLICATIONS

- Faruque Aziz, Rudraneel Bhattacharya, Arijit De, Sukanta Ghosh, Debashish Pal, and Subhajit Das published a paper on "Deep Learning Based In-silico Water Level Prediction and IoT Based Monitoring System" in the Water Resources Management(January2026,SCIQ1)https://link.springer.com/article/10.1007/s11269-025-04463-5
- Archita Hore, Saswat Chakrabarti, and Sharba Bandyopadhyay published a paper on "Incorporating a Variety of Synaptic Dynamics in Neuromorphic Hardware: Different Types of Inhibition and Plasticity" in the Journal of Neural Engineering (Volume 23, Number 2, March 2026, SCI Q1)- https://iopscience.iop.org/article/10.1088/1741-2552/ae512d/meta.
- S. Gunanandhini and V. Seethalakshmi published a paper on "Diversified Channel Estimation Method for Reducing Path Loss of MIMO Integrated With Backscatter Networks Using Propagation Learning" in the International Journal of Communication Systems (Volume 39, Issue 6, March 2026, SCI Q2). https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.70460.
- Rathiya R and Kalamani M published a paper on "STN-CNN LSTM: Enhancing Multi-Plant Disease Detection with Spatial Transformer Mechanisms Through CNN-LSTM" in the Traitement du Signal (Vol. 43, No. 1, pp. 545–558, February 2026, WoS). https://www.iieta.org/journals/ts/paper/10.18280/ts.430139.
- Kavya SP and V. Seethalakshmi published a paper on "Feature Derivative-based Pixel Segmentation Method for Detecting Lung Tumors from CT Images" in the

International Journal of Imaging Systems and Technology (Volume 36, Issue 1, January 2026, SCI Q1). https://doi.org/10.1002/ima.70281

- Jaikumar R., Jenish M., Brindha G. T., Kokilavani, Jaisha L., and Mohana Kannan presented a paper on "An Imperative Bot Control Model Using Extended Intelligent Markup Language for Human Interactive Applications" at the 8th International Conference on Communication and Computational Technologies (ICCCT 2026) held at National Forensic Sciences University during February 13–14, 2026. The paper was accepted and presented and will be indexed in May 2026.
- Gunanandhini S, Jayalakshmi J, Sowndharya G, and Kalaiselvan K presented a paper on "Holographic Telemedicine Framework Using 6G-Enabled IoT Devices for Real-Time Medical Collaboration" at the 8th International Conference on Communication and Computational Technologies (ICCCT 2026) held at National Forensic Sciences University during February 13–14, 2026. The paper was accepted and presented and will be indexed soon.
- Premkumar Duraisamy, Abijith P. Suthi, Ben Richards R, Niranjani V, J. Prasad, and Karthik S. presented a paper on "Adaptive Machine Learning Framework for Comprehensive Disease Risk Forecasting From Electronic Health Record" at the 4th International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT) held during February 04–06, 2026. The conference proceedings are indexed in Scopus.
- Daslin Princy A, Gurupriya R. S., Muralidharan J, and Arijit De presented a paper on "Comparative Analysis for Machine Learning Models" at the 2nd National Conference on AI Solution for Sustainable Electronics and Wireless Systems (AISSEWS) held during January 29–30, 2026.
- P. Megala, R. Prabhu, V. Seethalakshmi, T. Sathiyapriya, S. Thilagavathi, and K.B. Gurumoorthy contributed a book chapter in AIoT: Artificial Intelligence of Things published by Auerbach Publications (June 2025, Scopus indexed). https://doi.org/10.1201/9781003482338?utm_source=chatgpt.com

- Hari Mohan Rai, R. Kokila, Dr. V. Seethalakshmi, Indhumathi M, and Ms. P. Gowri published a book titled “Block Chain Enabled AI Security Architecture” by AASAN Publisher (February 2026).
- Mr. K. Ravichandran, Mr. K. Rajaram, Dr. M. Kalamani, Dr. S. Rajan, and Dr. M. Krishnamoorthi were granted a patent titled “Smart Weighment and Centralized Payroll Reckoning Machine for Tea Plantations” on September 12, 2025, with Patent No. 570601. The patent application was filed on February 25, 2021.
- Mr. Jenish M., Dr. Parthibha Chavan, Mrs. G. Sowndharya, Mrs. Gokila P., Mr. Damotharan, and Mrs. Kavithamani published a patent titled “Smart Material Handling Arm” under the guidance of Dr. Jaikumar R. on January 07, 2026, with Application No. 202641001527 A.
- M. Alamelu, Meera Alphy, Finney Daniel Shadrach, and Jayaraj Velusamy published a paper on “Deep Reinforcement Learning-Enabled IoT Framework for Real-Time and Personalized Diabetes Diagnosis Using Wearable Sensors” in the Artificial Intelligence and Applications (February 2026, Scopus indexed)- https://ojs.bonviewpress.com/index.php/AIA/article/view/6306
- N. Sabiyath Fatima, G. Deepika, Arun Anthonisamy, R. Jothi Chitra, J. Muralidharan, Manjunathan Alagarsamy, and Kummari Ramyasree published a paper on “Enhanced Facial Emotion Recognition Using Vision Transformer Models” in the Journal of Electrical Engineering & Technology (January 2025, SCI indexed). https://link.springer.com/article/10.1007/s42835-024-02118-w
- Nithya S., Monika S., Pooja S., Sreejaa S., and Aswin S. presented a paper on “High-Efficiency Compact CP Antenna for Ku-Band Operation” at the 2025 5th International Conference on Expert Clouds and Applications (ICOECA) held during March 06–07, 2025. The conference proceedings are indexed in Scopus. https://ieeexplore.ieee.org/document/11114004/authors#authors
- Dr. Srijan Paul, R. Gokulapriya, Sajal Suhane, Christopher Joseph L., Siva Yenikepalli, Ruqaiya Khanam, Hepsi Ajibah A. S., Bantu Mahesh, Dr. Sandeep Dongre, Dr. G. Sivagurunathan, Mukesh V. M., and Dr. Muralidharan J. published a patent titled “Secure and Intelligent Tracking Solution for Smart

Cities Using Machine Learning and 6G Networks" on March 27, 2026. The patent application was filed on January 19, 2026.

- Dr. Srijan Paul, R. Gokulapriya, Sajal Suhane, Christopher Joseph L., Siva Yenikepalli, Ruqaiya Khanam, Hepsi Ajibah A. S., Bantu Mahesh, Dr. Sandeep Dongre, Dr. G. Sivagurunathan, Mukesh V. M., and Dr. Muralidharan J. published a patent titled "Secure and Intelligent Tracking Solution for Smart Cities Using Machine Learning and 6G Networks" on March 27, 2026. The patent application was filed on January 19, 2026. https://www.sciencedirect.com/science/chapter/edited-volume/abs/pii/B9780443329586000042
- Sharmi Ganguly and Joydip Sengupta contributed a book chapter published by Elsevier in January 2026. The book chapter is indexed in Scopus. https://www.sciencedirect.com/science/chapter/editedvolume/abs/pii/B9780443329586000212
- Sharmi Ganguly and Joydip Sengupta contributed a book chapter published in March 2026. The book chapter is indexed in Scopus. https://books.google.co.in/books?hl=en&lr=&id=Ld68EQAAQBAJ&oi=fnd&pg=PA247&dq=info:ZMw35WqGEJ:scholar.google.com&ots=rhoh7YvGLo&sig=W9_2coIA7hptI9KZ5QWSBKO_QtI&redir_esc=y#v=onepage&q&f=false
- Vijaya Kumar K., Rithika R., Suresh Balanethiram, and J. Indra published a paper on "Review of Reliability of Threshold Voltage (Vth) Extraction Methods in Silicon-Based Tunnel Field Effect Transistors (TFETs)" in the Micro and Nanostructures (Vol. 211, March 2026, SCI Q2). https://www.sciencedirect.com/science/article/pii/S2773012325004881?dgcid=coauthor
- M. Nishanthi and P. Pandiyan presented a paper on "Electrical Load Demand Forecasting Using Machine Learning Algorithm" at the International Conference on Smart Data Intelligence held during January 09–10. The conference proceedings are indexed in Scopus. A Bayesian Approach to SARIMAX-LSTM Ensemble for Solar Energy Prediction | SpringerLink

- Ramesh S. M., Saswin, Vijay, and Srinithi presented a paper on "Edge-Enabled AI-Based Predictive Maintenance of Industrial Induction Motors" at the International Conference on Computing and Machine Learning (CML2026) held during March 07–08, 2026. The conference proceedings are indexed in Scopus.
- R. Thangaraj, P. Pandiyan, P. Naveen, B. Vadivel, P. Prakash, and S. M. Kumar contributed a book chapter on "Automatic Detection of Tropical Cyclones from Satellite Images Using YOLO Models" in Integrating AI for Sustainable Disaster Management: Building Resilience and Preventing Catastrophes published by Wiley (January 2026, Scopus indexed). Integrating AI for Sustainable Disaster Management: Building Resilience and Preventing Catastrophes | Wiley

STUDENT PARTICIPATION

S.No	Event Name	No of students participated
1	Online course	7
2	Workshop	8
3	Contest (Quiz, Coding Contest, club events, etc.)	101
4	Paper presentation	49
5	Internship	1
6	Project Presentation	13
7	NSS, YRC activities	0

STUDENT ACHIEVEMENT

S.No	Name of the Student(s)	Achievements /Awards / Acitivities	Title of the Event	Organized by (Name of the College and club)
1	Praveena P	NPTEL Course Completion	Microsensors and Nanosensors	SWAYAM/NPTEL
2	Riyash M	2nd Prize	Petrichor'26 – Riptide	IIT Palakkad

3	Shree Nakulan S	Course Completion (Grade A)	Remote Sensing and Digital Image Analysis	Indian Institute of Remote Sensing (IIRS)
4	Vignesh M	Course Completion	Remote Sensing and Digital Image Analysis	ISRO/IIRS
5	Vishal P	NPTEL Course Completion	Microsensors and Nanosensors	SWAYAM/NPTEL
6	Nandika V K	NPTEL Course Completion	NPTEL Course	KPRIET
7	Praneet S S	Course Completion (Grade A+)	Remote Sensing and Digital Image Analysis	ISRO / IIRS
8	S Rohith	Course Completion	Remote Sensing and Digital Image Analysis	ISRO

STUDENT PARTICIPATION

S.No	Name of the Student(s)	Achievements /Awards / Acitivities	Title of the Event	Organized by (Name of the College and club)
1	Sanjai	Event Participation	SYNAPSE 2K26- paper Presentation	SNS College Of Technology
2	Abisheck T	Event Participation	Theervu'athon 2025	Kumaraguru College of Technology
3	Arun S	Event Participation	Centies Championship 2026	Kongu Engineering College
4	Arun S	Event Participation	CM Trophy 1 Sports	NGP Institute of Technology
5	Aswin J	Event Participation	ROBOYUDH'26- Line follower	Sathyabama Institute of Science and technology
6	Eswar V	Event Participation	Roboyudh	Sathiyabama Institutes of Science and technology
7	Gokul M	Event Participation	GCC-X-SHIFT Hackathon	KPRIET
8	Gowthama Chandran S	Event Participation	Emica'26	Tamilnadu college of engineering and technology

9	Gowthama Chandran S	Event Participation	kanam26	Dr.N.G.P. Institute of technology
10	Gowthama Chandran S	Event Participation	Minenthra'26 - line follower	Hindusthan college of engineering and technology
11	Gurupriya R S	Event Participation	PRAKRITI'26	Government College Of Engineering
12	Ilakkiya V	Event Participation	Nexus 25	Karpagam Academy Of Higher Education
13	Jayasurya D	Event Participation	D R IIRS 25-08-2025 26 Indian space research organisation	Government college of technology
14	Jerlinjeba J	Event Participation	Theervathon 2.0	GCT coimbatore
15	Kavin Soorya S	Event Participation	Prakrithi'26	Government College of Technology Coimbatore
17	Praveena P	Event Participation	Micro Sensors And Nano Sensors	Coimbatore Institute of Technology
18	Pravin P	Event Participation	Clever hunt	Anna University Regional Campus Madurai
19	Ragavappranesh	Event Participation	S Leak the logic	Sri Ramakrishna Institute Of Technology
20	Ragavappranesh	Event Participation	S Code debugging	Sri Ramakrishna Institute Of Engineering And Technology
21	Ragavappranesh	Event Participation	S Bug Arena	Anna University Regional campus madurai
22	Indhumadhi V	Participation	Stringz	Karpagam Academy of Higher Education
23	Jayasurya D R	Participation	IIRS	Indian Space Research Organisation
24	Jayasurya D R	Participation	Prakriti	Government College of Technology
25	Jerlinjeba M J	Participation	Microsensors and Nanosensors	KPRIET
26	Jerlinjeba M J	Participation	Project-A-Thons	KPRIET
27	Jerlinjeba M J	Participation	Theervathon 2.0	PSG CAS

28	Kavin R	Participation	Prakriti 26	Government College of Technology, Coimbatore
29	Kavin Soorya S	Participation	PRAKRITHI'26	Government College of Technology, Coimbatore
30	Manoj Kumar K K	Participation	SENSONICS	Kongu Engineering College
31	Muberekwa Fortune F	Participation	InnovX	Christ the King
32	Muberekwa Fortune F	Participation	Nexcodua	Velammal Institute of Engineering
33	Nehaa M R	Participation	CONSCIENTIA 25	Indian Institute of Space Science and Technology (IIST)
34	Praveena P	Participation	Elexsiya'26	Anna University Regional Campus
35	Praveena P	Participation	Nexera	Coimbatore Institute of Technology
36	Pravin P	Participation	Conscientia 2025	Indian Institute of Space Science and Technology
37	Ragavappranesh S	Participation	Clever Hunt	Anna University Regional Campus, Madurai
38	Ragavappranesh S	Participation	Leak the Logic	Sri Ramakrishna Institute of Technology
39	Ragavappranesh S	Participation	Code Debugging	Sri Ramakrishna Institute of Technology
40	Ragavappranesh S	Participation	Bug Arena	Anna University Regional Campus, Madurai
41	Riswandh S S	Participation	CONSCIENTIA 2025	Indian Institute of Space Science and Technology
42	Riswandh S S	Participation	Techno Crib 2025	Rajagiri Business School
43	Rithika J	Participation	KiTE Fusion X'26 – Circuit Debugging	KGiSL Institute of Technology
44	Rithika P	Participation	SCIENSEA'2K25 – Paper Fiesta	Kongu Engineering College

45	Rithika P	Participation	SCIENSEA'2K25 – Project Presentation	Kongu Engineering College
46	Rubika N	Participation	Samsung Solve for Tomorrow	Samsung Southwest Headquarters
47	Rubika N	Participation	VCET HackElite'2K25	Velalar College of Engineering and Technology
48	Sindhuja K	Participation	SCIENSEA'2K25 – Paper Fiesta	Kongu Engineering College
49	Sindhuja K	Participation	SCIENSEA'2K25 – Project Presentation	Kongu Engineering College
50	Sitnison E	Participation	Conscientia	IIST
51	Sitnison E	Participation	VIHANSA-2K26	SNR College
52	Sowmithra S	Participation	Synapse 2K26	SNS College of Technology
53	Swethaa M	Participation	Sensonics 2025	Kongu Engineering College
54	Vishal P	Participation	ELEXSIYA'26	Anna University Regional Campus
55	Vishal P	Participation	Tarang 2025	Sri Krishna Arts and Science College
56	Vishal P	Participation	Ek Bharat Shrestha Bharat Camp I	1 (TN) Signal Company NCC
57	Vishva S	Participation	Elexsiya'26	Anna University Regional Campus
58	Vishva S	Participation	Nexera	Coimbatore Institute of Technology
59	Karthi Si	Participation	Udhayam'26 – Project Expo	KIT – Kalaignarkarunanidhi Institute of Technology
60	Keerthi Kumar K J	Participation	Prasidhi 2K25	Kongu Engineering College
61	M S Kishore	Participation	Quiz Chronicles – Unlock Your Inner Genius	KPRIET
62	M S Kishore	Participation	Diploma in Software Engineering	KPRIET
63	M S Kishore	Participation	Thiran – Sangeetha Sangamam	Sri Eshwar College of Engineering

64	Libika M	Participation	Remote Sensing and Digital Image Analysis	ISRO
65	Logesh M A	Participation	PRASHIDI 2K25	Kongu Engineering College, Erode
66	Logesh M A	Participation	STEM Innovation	KPRIET
67	A K Logith	Participation	Technoxian 9.0	World Robotics Sports Organisation
68	A K Logith	Participation	PAPERLEAGUE – CELESTA'25	Bannari Amman Institute of Technology
69	Madhumitha S	Participation	Remote Sensing and Digital Image Analysis	ISRO
70	Nandika V K	Participation	Lockdown Labs – Technical	KPRIET
71	Naren Kaarthick L	Participation	Paper League	Bannari Amman Institute of Engineering
72	Naren Kaarthick L	Participation	MERN Fusion – Frontend Faceoff	Sri Eshwar College of Engineering
73	Nesha M	Participation	Remote Sensing and Digital Image Analysis	ISRO
74	Praneet S S	Participation	Hack and Beyond	SRM Institute of Science and Technology
75	Praneet S S	Participation	InnovX'2K25	Christ the King Engineering College
76	Prasanth S	Participation	Paper Presentation – Romeas	RVS Technical Campus
77	Rahul V	Participation	Paper League	Bannari Amman Institute of Engineering
78	Vembu Shivasankar V	Participation	Conscientia	Indian Institute of Space Science and Technology
79	V N Vishwesh	Participation	Conscience Speaks Debate Forum	KPRIET
80	V N Vishwesh	Participation	Debate Competition	KPRIET

81	V N Vishwesh	Participation	Model United Nations Conference	I.I.M.U.N. (India's International Movement to Unite Nations)
82	V N Vishwesh	Participation	Oratorical Competition	KPRIET
83	Mugari Siyamdumisa	Participation	Dakshaa T26	K.S.Rangasamy College
84	Mugari Siyamdumisa	Participation	INFIQ 2K26	V.S.B College of Engineering Technical Campus

IIPC ACTIVITIES

- Dr. T. Jagadesh, Assistant Professor, Department of Electronics and Communication Engineering, visited Contro Gen Electric Solutions on January 10, 2026, and discussed opportunities regarding student internships and placement through internships.
- Dr. T. Jagadesh, Assistant Professor, Department of Electronics and Communication Engineering, visited Ultramain Software Private Limited on January 10, 2026, and discussed opportunities regarding placement through internships.
- Dr. T. Jagadesh, Assistant Professor, Department of Electronics and Communication Engineering, visited RDX Technologies on January 30, 2026, and discussed opportunities regarding student internships and consultancy services.
- Dr. T. Jagadesh, Assistant Professor, Department of Electronics and Communication Engineering, visited Genn Automation on February 13, 2026, and discussed opportunities regarding student internships and placement through internships.
- Dr. M. Kathirvelu and Dr. D. Venugopal, Professors, Department of Electronics and Communication Engineering, visited Salzer Electronics Limited on February 16, 2026, and discussed ongoing consultancy activities.
- Dr. T. Jagadesh, Assistant Professor, Department of Electronics and Communication Engineering, visited Sun Software Solutions on February 16, 2026, and discussed opportunities regarding student internships and consultancy services.
- Dr. T. Jagadesh, Assistant Professor, Department of Electronics and Communication Engineering, visited Infonetcomm Enterprises Private Limited on February 16,

2026, and discussed opportunities regarding student internships and placement through internships.

- Dr. T. Jagadesh, Assistant Professor, Department of Electronics and Communication Engineering, visited Nitroware Technologies on February 16, 2026, and discussed opportunities regarding student internships.
- Dr. Himangshu Deka, Assistant Professor, Department of Electronics and Communication Engineering, visited Peps Industries Private Limited on February 14, 2026, for a field visit.

Industry Visit

S no	Date	Industry/ College Name	Collaborator Location	Faculty Involved	Outcome
1.	14/02/2026	Peps Industries Private Limited	India	Dr. Himangshu Deka	Accompanied 30 students from II EC(B) for a field visit to gain industrial exposure and practical insights into manufacturing processes.
2.	05/01/2026	Infineon Technologies	GN Palayam, Bangalore	Dr.J.Indra, Dr.P.Pandiyan	Offering Professional Elective
3.	10/01/2026	ALSTOM	GN Palayam, Bangalore	Dr.P.Pandiyan	Discussed for Consultancy work

MoU Ceremony with RDX Digital Technologies

The Department of ECE, KPR Institute of Engineering and Technology (KPRIET), successfully signed a Memorandum of Understanding (MoU) with RDX Digital Technologies on 24 January 2026 at Marigold Hall. The MoU was signed in the presence of Mr. Deepak Siddharth, Managing Director, RDX Digital Technologies,

who emphasized the importance of industry-oriented learning, practical exposure, and emerging technology skills for engineering students. The collaboration aims to provide opportunities in internships, placements, technical training, consultancy, and collaborative research, enabling students to gain valuable industry experience and professional competencies.

The event was coordinated by Dr. P. Pandiyan and convened by Dr. J. Indra under the guidance of the Industry Institute Partnership Cell (IIPC), with active participation from faculty members and students of the Department of Electronics and Communication Engineering. This partnership is expected to strengthen industry–academia interaction, enhance students' employability, and support SDG 4 – Quality Education and SDG 9 – Industry, Innovation and Infrastructure.

MoU with ClusterVise to Strengthen Global Industry Collaboration

The Department of ECE, KPR Institute of Engineering and Technology (KPRIET), in association with the Industry Institute Partnership Cell (IIPC), successfully signed a Memorandum of Understanding (MoU) with ClusterVise on 29 January 2026 at Marigold Hall. The MoU was signed in the presence of Mr. Deepak Kumar Murugan, Founder & CEO, ClusterVise, who emphasized the importance of global exposure, industry-oriented learning, and continuous skill development for engineering students. The collaboration aims to facilitate international internships, technical training programmes, expert lectures, industry interactions, and collaborative research initiatives, creating valuable opportunities for students to gain practical knowledge and global experience.

The event was coordinated by Mr. P. Pandiyan and convened by Dr. J. Indra, with active participation from faculty members and students of the Department of Electronics and Communication Engineering. This partnership is expected to enhance students' employability and innovation capabilities while supporting SDG 4 – Quality Education and SDG 9 – Industry, Innovation and Infrastructure.

Consultancy Details

S.No	Faculty involved	Event/Activity	Date	Amount ₹
1	Dr. V. Seethalakshmi	Consultancy work for Dr. Sakthisudan, NGP	09.01.2026	4,130
2	Dr. V. Seethalakshmi	Fractal Antenna for military wearable device	09.02.2026	4,130
3	Dr. V. Seethalakshmi	Antenna testing	05.02.2026	4,130
4	Dr. V. Seethalakshmi	Circular monopole patch antenna	—	1,180
5	Dr. V. Seethalakshmi	Antenna with FSS testing	12.02.2025	7,080
6	Dr. V. Seethalakshmi	Flower Antenna	24.02.2025	15,930
7	Dr. V. Seethalakshmi	Patch antenna for UWB application	27.02.2025	15,340
8	Dr. V. Seethalakshmi	Antenna with FSS testing	27.02.2025	15,930
9	Dr. V. Seethalakshmi	Antenna fabrication for RF and Antenna Lab	08.03.2026	12,980

10	Dr. V. Seethalakshmi	Slotted hexagonal patch antenna for food adulteration detection	13.02.2026	2,950
11	Dr. V. Seethalakshmi	PET Monitor / Smart sensor	23.03.2026	24,000
12	Dr. V. Seethalakshmi	Microstrip Patch antenna	17.03.2026	6,195
13	Dr. V. Seethalakshmi, Ms. PriyaDarshini	FSS	27.03.2026	9,145
14	Dr. V. Seethalakshmi	FSS	27.03.2026	9,735
15	Dr. V. Seethalakshmi, Dr. Arijit De	FSS	27.03.2026	10,035
16	Mr. S. Balamurali	Wearable antenna design	05.01.2026	10,000
17	Dr. K. Kalirajan	AI Based comprehensive platform for interview processing	05.03.2026	10,000
18	Dr. K. Kalirajan	Software defined networks design	12.12.2025	10,000
18	Dr. S. Suganyadevi	Antenna Design	24.03.2026	5,900
19	Dr. S. Suganyadevi	Antenna Design	27.03.2026	8,555
20	M. Supriya	Electronic design Automation tools: CADENCE and Vivado	18.12.2025-19.12.2025 / 22.01.2026-23.01.2026	26,587
21	Dr. J. Indra	Circular Monopole Patch Antenna	11.02.2026	4,500
22	Dr. Pandiyan P	Flower Antenna Testing	24.02.2026	13,500
23	Dr. J. Indra	Antenna Testing	17.03.2026	16,000

Faculty Internship

Dr. S. M. Ramesh, Professor, and Mr. G. Pradeepkumar, Assistant Professor-II, Department of ECE, KPR Institute of Engineering and Technology, successfully completed a 14-day internship at Zenfet Technologies, Coimbatore, from December 27,

2025, to January 10, 2026. The internship, titled “Technical Excellence Program – Embedded & IoT Solutions,” provided valuable exposure to embedded systems design, IoT architecture, hardware prototyping, and real-time industrial applications, along with

insights into Industry 4.0 practices and institutional–industry collaboration.

Dr.J.Indra, Professor and Division Head – ECE -D and Dr.P.Pandiyan, Associate Professor, Department of ECE, KPR Institute of Engineering and Technology, successfully completed an 8-day Industry Academia Bridge (IAB) Program at Infineon Technologies India Pvt. Ltd., Bangalore, from January 05, 2026, to January 13, 2026. The program, focused on “Embedded Systems using PSoC™ Microcontrollers,” provided valuable exposure to ARM-based embedded system architecture, low-level programming, debugging techniques, and real-time hardware interfacing through intensive hands-on training aligned with industry practices.

LATEST INNOVATIONS

Amaravati Quantum Valley: India's Leap into the Future of Computing

Prepared by:Siva Prasanna E- I M.E. VLSI Design

- The Amaravati Quantum Valley, inaugurated on April 14, 2026 (World Quantum Day) by N. Chandrababu Naidu, marks a major milestone in India's deep-tech advancement. It makes Andhra Pradesh the first state to host indigenous quantum computing facilities.
- At its core is the Amaravati Quantum Reference Facility (AQRF) with two test beds: Amaravati 1S (at SRM University, using superconducting tech) and Amaravati 1Q (at Medha Towers, developed with Qubitekk). These operate at near −273°C and provide India's first open-access quantum platforms.
- Spread across a 50-acre campus, the project involves the National Quantum Mission, Tata Institute of Fundamental Research, Indian Institute of Science, IBM, and Tata Consultancy Services, with a planned 133-qubit IBM Heron processor.
- Beyond research, it aims to boost jobs, train 4.5 million people, and position India as a global leader in quantum technology.