KPR Institute of Engineering and Technology

Learn Beyond

(Autonomous, NAAC "A")

Department of Computer Science and Engineering

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FUTURISTIX

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ABOUT THE DEPARTMENT

The Computer Science and Engineering (CSE) department began in 2010 with 60 students in its undergraduate program. By that same year, we expanded to accommodate 240 students. In 2014, we introduced a Master's program in CSE, starting with 18 students. Our department is also a recognized research center under Anna University, supporting over 50 research scholars in various fields. Currently, we serve over 900 students across undergraduate, postgraduate, and Ph.D. programs.

In just ten years, our department has achieved many milestones. We now have 50 faculty members, each an expert in different areas of computer science. Half of them have Ph.D. degrees, and many others are working towards them. We're proud that three faculty members have completed postdoctoral fellowships at international universities. Our faculty contribute through publications in journals, research articles, and conference presentations.

VISION OF THE DEPARTMENT

To be a premier centre for education, dissemination of knowledge and research in the frontier areas of computer science and engineering to serve the community with moral values.

MISSION OF THE DEPARTMENT

- **Provide holistic education incorporating the state-of-the-art technologies to produce successful professionals.**
- **Facilitate the students to pursue higher education and research in the areas related to Computer Science and Engineering.**
- **Promote strong collaborations with the industries and steer the students to nurture their interest in continuous learning to meet the changing needs of the society.**

LEADING WITH VISION

From the HOD's Desk

It gives me immense pleasure to present the latest edition of Futuristix, the newsletter of the Department of Computer Science and Engineering at KPR Institute of Engineering and Technology. This newsletter reflects the vibrant academic environment, innovative spirit, and collective achievements of our students and faculty members.

The field of Computer Science and Engineering continues to evolve rapidly, shaping the future through advancements in Artificial Intelligence, Data Science, Cyber Security, Cloud Computing, and emerging technologies. At our department, we strive to equip students not only with strong technical knowledge but also with creativity, leadership, and ethical values that prepare them to excel in a dynamic global environment.

Futuristix serves as a platform to showcase the remarkable accomplishments, research initiatives, technical events, industry interactions, and co-curricular activities carried out by our department. I appreciate the sincere efforts of the editorial team, faculty coordinators, and students who have contributed to making this edition informative and inspiring.

I encourage all students to continue exploring, innovating, and learning beyond the classroom. Let this newsletter motivate every reader to pursue excellence and contribute meaningfully to society through technology.

I extend my best wishes to the entire CSE fraternity for continued success in all future endeavors.



Dr. MIRUNA JOE AMALI S
Professor & Head

FACULTY ACHIEVEMENTS

Faculty Publications

Sr.No.	TITLE OF PAPER	AUTHORS	MONTH	INDEXING SCOPUS/SCI /Conference Publication
1	FCM vectorization for Twitter sentimental analysis using multi stacked BiLSTM.	Gomathi R., Saranya K., **Munirathinam T**	April 2026	SCI
2	Sentiment Analysis for Product Recommendation Using Graph Neural Network with Cosine Migration Optimization	Sangeetha M, **R. Manjula Devi**, Lalitha Krishnasamy, Kumaravel T	April 2026	SCI
3	Ensemble fuzzy multilayer neural perceptron with optimized feature selection for cardiac disease prediction using MRI and ECG data	**Kiruthika J K**, Thangaraj P	April 2026	SCIE

Sr.No.	TITLE OF PAPER	AUTHORS	MONTH	INDEXING SCOPUS/SCI /Conference Publication
4	Dynamic Uncertainity-Aware adaptive Subspace Fusion Network for Robust Multimodal medical classification	B.Krishnakumar, B. Thanga Parvathi, K.Nithya, M.Pyingkodi, Kunchanapalli Rama Krishna, **Jeevitha R**	April 2026	Scopus
5	HST-Net: Hierarchical Spectrum-Tokenization with Progressive Refinement for Cardiac MRI Segmentation	Naga Chandrika G , Shamia D , V.Kavithamani , **Amitha I C** , K. Venu ,Kunchanapalli Rama Krishna	April 2026	Scopus

FORGING PARTNERSHIPS: MOU SIGNED

On 31st October 2025, KPR Institute of Engineering and Technology (KPRIET) signed a Memorandum of Understanding (MoU) with EyePlus Digital to strengthen industry–academia collaboration through technical training, skill development, and practical learning opportunities. As part of this partnership, it was proposed to establish a Centre of Excellence (CoE) focusing on hardware, software, and electronics manufacturing. The initiative aims to provide students with hands-on experience, industry-oriented training, and exposure to real-world industrial practices, thereby bridging the gap between academic knowledge and industry requirements.

During the April–June reporting period, activities related to the MoU may be documented based on the progress made in coordination with EyePlus Digital, discussions on establishing the proposed Centre of Excellence, and planning for industry-oriented training and skill development programmes. The collaboration is intended to promote practical learning, technical competency, innovation, and student employability while creating opportunities for industry projects, workshops, and internships. These initiatives will help prepare students to meet emerging technological demands and strengthen the institution's engagement with industry.



FACULTY CONFERENCE DETAILS

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Conference Date	Indexed In Scopus/ WoS	Month of Publication
1	CAFF-Net: A Cross-Attention Feature Fusion Network for Robust Multi-Type Brain Tumor Classification	J.Steephan Amalraj; **R. Jeevitha**; Sakthivel. M; K. Saravanan; Raghavendran. N; Satheesh N. P	April 2026	Scopus	-
2	EMPATHIA Med: A Framework for Emotion Conditioned Multimoda l Medical Intelligence	Aarthi D;Mirjalol Ismoilov;R. Nivedha, **Jeevitha R;** Zebiniso Alimova;Priya M	March 2026	Scopus	May 2026
3	Sentiment Guided Multimodal Deep Learning Framework for Climate ResponsiveWeed Density Estimation and Management	B. Mohanraj; S. Nalini; R. Amsaleka; M.J.T. Vasantha Priya; **Jeevitha R**; Devineni Gireesh Kumar	March 2026	Scopus	May 2026

FACULTY CONFERENCE DETAILS

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Conference Date	Indexed In Scopus/ WoS	Month of Publication
4	Design and Implementation of a Voice-Controlled Robot	Ramkarthik Palaniappan; Anita Antwiwaa; G.Sharmila; **Jeevitha R;** Gomathi N.	April 2026	Scopus	May 2026
5	EMO-GUIDE: Emotion-Driven Interactive Chatbot for Mental Well-Being using FSM-based Dialogue Control	N Subasri, **K Mouthami**, S Devatharshini	May 2026	Scopus	-
6	Automated Microclimate Management Systems in Smart Agriculture Using Reinforcement Learning	**Kandasamy Sellamuthu;** Sanjeevkumar M; Sabarish A; Chandru S; P. Dineshkumar	May 2026	Scopus	-

FACULTY CONFERENCE DETAILS

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Conference Date	Indexed In Scopus/ WoS	Month of Publication
7	Adaptive Machine Learning Framework for Comprehensive Disease Risk Forecasting From Electronic Health Record	Premkumar Duraisamy;Abijith P Suthi;Ben Richards R;Niranjani V;	February 2026	Scopus	April 2026
8	Engineering a Multi-Layered SEO Framework Integrating Semantic SEO and E-E-A-T Signals	Kanimozhi BV; Primya T; Krithika M; Manojpraphakar T; Kanagaraj G; Dinesh Kumar VM	April 2026	Scopus	May 2026
9	A survey of automated breast lesion classification using mammograms	Sasikala C Gowtham R.; Hemalatha R.; Yuvarajan M.; Nadhin Abinav S. A.	March 2026	Scopus	June 2026

PUBLICATION IN BOOK CHAPTER

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Month & Year of Publication	Indexed In Scopus/ WoS
1	Case Study on the Initialization of Mapping between the Raw Data and Crop Yield Values for Yield Prediction	Dharani Jaganathan, **Vishnu Kumar Kaliappan**, Mani Deepak Choudhry, Sam Goundar	April 2026	Yes
2	Agricultural Applications of UAVs	**J. K. Kiruthika**, **S. Rajesh Kumar**, S. Saranya, **S. K. Geetha**, T. Yawanikha	April 2026	Yes
3	Applications for Composite AI in Healthcare	R. Vijayarajeswari, S. David Samuel Azariya, Anto Lourdu Xavier Raj Arockia Selvarathinam, Priyabrata Thatoi, Abhinaya Saravanan, **Nisha Soms**	May 2026	Yes

GATHERINGS THAT INSPIRE!

Our Events Organized

ACTIVITIES OF DEPARTMENT OF ATOMIC ENERGY & CAREER OPPORTUNITIES

Summary: **21.01.2026**

The resource persons, Dr. NPI Das and Dr. Shailesh, Scientific Officers (F) from IGCAR, Kalpakkam, provided valuable insights into the roles, research activities, and career pathways within the Department of Atomic Energy. The session enhanced students' awareness of radiation dosimetry, research culture, and government career prospects. Students actively participated in discussions and clarified queries related to eligibility, recruitment, and growth opportunities. Overall, the event was informative, engaging, and highly beneficial for students' career planning.

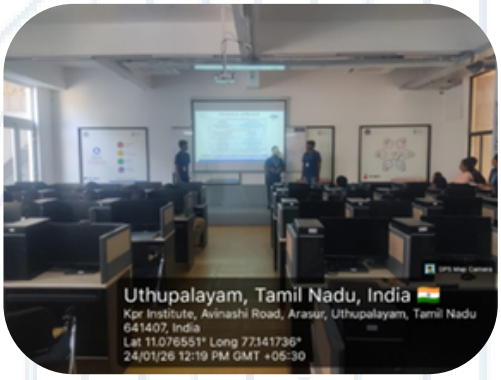




WORLD EDUCATION DAY COLLAQUIUM -ENGINEERING FAILIURE AND LESSIONS INAI AND SMART SYSTEMS

Summary: **24.01.2026**

The colloquium provided students with insights into recent engineering failures in Artificial Intelligence and smart systems. Through case study presentations and discussions, participants analyzed the causes of these failures and explored practical remedial strategies. The session helped improve students' critical thinking, problem-solving skills, and understanding of real-world engineering challenges.



COGNITIVE AUTOMATION FOR INDUSTRIAL APPLICATIONS

Summary: **10.02.2026 - 14.02.2026**

The Cognitive Automation for Industrial Application one-credit course successfully enhanced participants' understanding of intelligent automation in real-world industrial environments. Students gained practical knowledge of AI-driven decision systems, machine learning integration, robotic process automation, and data-driven optimization techniques. The event strengthened their ability to analyze industrial problems and design smart automation solutions that improve efficiency, quality, and productivity. Participants also developed hands-on skills through case studies and tool demonstrations, enabling them to bridge the gap between academic concepts and industrial requirements. Overall, the course empowered learners with industry-relevant competencies, preparing them for emerging roles in smart manufacturing and Industry 4.0 environments.





POWER BI MASTERY- DATA TO DECISIONS

Summary: **16.02.2026**

Participants gained hands-on experience in creating interactive dashboards using Power BI and learned to transform raw data into meaningful insights for effective decision-making. The session also covered best practices in data visualization, KPI tracking, and performance analysis, enhancing students' analytical skills for careers in business intelligence.

The event was successfully organized with the support of the student coordinator, Ms. Samyuktha S S, who assisted in planning, communication, and coordination. With active collaboration between faculty and the coordinator, the session was conducted smoothly, ensuring effective participation and learning.





REFLUX RUSH

Summary: **21.02.2026**

The Reflux Rush event enhanced students' technical knowledge and problem-solving skills through competitive rounds. It improved participants' communication and teamwork abilities during group activities. The event encouraged active learning by combining both technical and non-technical challenges. External participants gained exposure to our department and interacted with CSE students. It boosted students' confidence, coordination, and time management skills. Overall, the event created an engaging platform for learning, collaboration, and healthy competition.





AI AND INNOVATION SPRINTS: RAPID PROTOTYPING FOR DIGITAL TRANSFORMATIONS

Summary: **27.02.2026**

The Department of Computer Science and Engineering, in association with Centre for Innovation Incubation and Entrepreneurship Development (CIIED), organized an expert session titled "AI and Innovation Sprints: Rapid Prototyping for Digital Transformations" for undergraduate students. The session aimed to introduce AI-driven innovation practices, rapid prototyping approaches, and their role in enabling digital transformation across industries.

The resource person highlighted how artificial intelligence is reshaping digital products and services and explained how structured innovation sprints can compress the idea-to-prototype cycle using modern tools and agile practices

The program began with a formal welcome address and introduction of the resource person, followed by an overview of the objectives of the workshop by Dr.Nisha Soms. The experts then delivered an interactive talk on innovation sprints, AI use cases, and rapid prototyping





2ND INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY BREAKTHROUGHS AND NEXTGEN TECHNOLOGIES

Summary: **12.03.2026 - 13.03.2026**

The 2nd International Conference on Multidisciplinary Breakthroughs and NextGen Technologies (ICMBNT 2026) was successfully conducted on 12–13 March 2026 in Bali, Indonesia, bringing together researchers, academicians, and industry experts from diverse disciplines to share innovative ideas and discuss emerging technological advancements. The conference was jointly organized by the Society for Cyber Intelligent Systems (SCIS) and ISIUS, in collaboration with Udayana University, Department of CSE KPR Institute of Engineering and Technology, Universitas Pelita Bangsa, and SRM University, with the objective of promoting interdisciplinary research and global academic collaboration. The inaugural ceremony was graced by distinguished dignitaries including the Rector of Udayana University, the Dean of the Faculty of Mathematics and IT, the Principal of KPR Institute of Engineering and Technology, and the President of SCIS. The conference featured around 70 international research paper presentations across various technical tracks, providing a vibrant platform for scholars and practitioners to exchange knowledge, present research findings, and initiate future collaborations between participating institutions and researchers worldwide.





CHEERS TO SUCCESS

Congrats to our Placed Stars!

S.No	Student Name	Company Name
1	CHARAN B	Cognizant
2	NAVEENASRI T	Cognizant
3	AMUTHINI P	Capgemini
4	DEEGSHIKA M	Cognizant
5	DEEGSHIKA M	Capgemini
6	AKALYA M S	Cognizant
7	RAVINDRAN LOGASANJEEV	Cognizant
8	MEHA SRI A	Cognizant
9	PAVITHRA D	Cognizant
10	PAVITHRA D	Capgemini
11	POOJA V	Cognizant

S.No	Student Name	Company Name
12	POOJA V	Capgemini
13	RAVIVARMAN B	Cognizant
14	KEERTHANA P G	Capgemini
15	RAJAMARI R	Cognizant
16	DIVYA V	Capgemini
17	DIVYA V	Ebixcash
18	NANDHINI S	Capgemini
19	NANDHINI S	Cognizant
20	DEVATHARANI G S	Capgemini
21	DEVATHARANI G S	Cognizant
22	MANASAVARSHINI G D	Capgemini
23	MANASAVARSHINI G D	Cognizant

S.No	Student Name	Company Name
24	GUHAN M	Cognizant
25	PRIYANKA B	Cognizant
26	PRIYANKA B	Capgemini
27	AASHISH BISHOKARMA	Cognizant
28	NIVETHA N	Capgemini
29	GANGUMALLA TEJESHWAR RAO	Cognizant
30	ARULPRATHAKSHINI SHREE S B	Capgemini
31	ARULPRATHAKSHINI SHREE S B	Ebixcash
32	ARULPRATHAKSHINI SHREE S B	Cognizant
33	ASHWIGA BR	Capgemini
34	ASHWIGA BR	Cognizant
35	KISHON P	Ebixcash

S.No	Student Name	Company Name
36	PRAJITHA.R	Capgemini
37	PRAKADEESREE S	Cognizant
38	HARITHA V S	Capgemini
39	HARITHA V S	Cognizant
40	KEERTHANA U S	Capgemini
41	KEERTHANA U S	Cognizant
42	MOHANRAJ V	Cognizant
43	NEHA CHANDRAN	Cognizant
44	NIVAS S	Cognizant
45	PIRTHIKA S	Cognizant
46	DEEPSHIKA P	Cognizant
47	KARTHIGA S	Cognizant

S.No	Student Name	Company Name
48	KRISHNIKA K	Aptean
49	SUFIYAN A	EPAM

STUDENT EXCELLENCE BEYOND THE NORM

Aafridi Ansari participated in a hackathon conducted at PSNA College of Engineering and Technology and secured First Prize for innovative thinking and technical skills.



Sanjai S and Ranjithkumar H participated in a hackathon conducted at Rathinam Technical Campus and secured First Prize for their innovative ideas and technical skills.



STUDENT EXCELLENCE BEYOND THE NORM

Shree Ragav K participated in a hackathon conducted at M. Kumarasamy College of Engineering and secured Third Prize for his innovative ideas and technical skills.



Shree Ragav K participated in the IoT Triathlon conducted at Presidency University, Bangalore, and secured First Prize for his innovative ideas and technical skills.

