KPR Institute of Engineering and Technology

Learn Beyond

(Autonomous, NAAC "A")

Department of Computer Science and Engineering

Accredited by NBA | Permanently Affiliated to Anna University - Chennai

FUTURISTIX

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ABOUT THE DEPARTMENT

The Department had a humble beginning, starting with an intake of 60 students in the undergraduate program in Computer Science and Engineering (B.E.) in 2010. The postgraduate program in Computer Science and Engineering (M.E.) was introduced in 2014, initially admitting 18 students. Today, the Department caters to the needs of 720 students. It has been accredited by NBA and recognized as a Research Centre by Anna University, Chennai

In our department, we have 47 highly qualified and dedicated faculty members committed to the upliftment of the student community. The curriculum and syllabus are revised every six months based on feedback from alumni and industry experts. This ensures that the students meet industry expectations for their careers and development. The syllabus, embedded with GATE curriculum, encourages students to clear competitive exams like UPSC (IAS) and GATE. The Department boasts state-of-the-art infrastructure, including laboratories, classrooms, and a seminar hall. It is actively expanding its reach from national to international levels through innovative teaching practices and industry/academic collaborations. Special labs for Mobile App Development, Data Science, Machine Learning, Augmented Reality and Virtual Reality, and Networks and Intelligent Computing have been established to help students excel in an industrial environment. The Department has signed MoUs with and REDHAT, establishing Centers of Excellence. These partnerships provide students with opportunities for international certification courses like RHCSA, BLOCKCHAIN, ORACLE, AI & Machine Learning from Xebia University, and C-DAC CLOUD. To further equip students, the department offers value-added courses in Data Science and Big Data Analytics by Dell EMC2, Oracle, Blockchain, and Java. Beyond academics, the college provides a platform for students to showcase their unique talents through various non-technical clubs like Dance, Humor, Music, Food Photography, Art & Craft, and an Internet Radio Club. Liberal arts courses such as roof gardening and two-wheeler maintenance are also offered by various departments, open to all students.

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 is with great pride that I present this edition of Futuristix, the newsletter of the Computer Science Department at KPR Institute of Engineering and Technology. This publication offers a glimpse into the vibrant array of initiatives and accomplishments by our students and faculty.

As the realm of Computer Science rapidly evolves, our department remains steadfast in its mission to empower students with the skills and mindset needed to navigate and lead in this dynamic landscape. This issue showcases a blend of pioneering research, community outreach, and collaborative projects that reflect our commitment to innovation and excellence.

I urge our students to stay inquisitive, embrace emerging challenges, and actively contribute to the transformative journey of technology. My heartfelt thanks go to the editorial team for their dedication and hard work in curating this inspiring edition.



Dr. Devi Priya R
Professor & Head

FACULTY ACHIEVEMENTS

Faculty Publications

Sr.No.	TITLE OF PAPER	AUTHORS	MONTH	INDEXING SCOPUS/SCI /Conference Publication
1	Enhanced Energy Utilization Efficiency and Speed Control in Autonomous Electric Vehicles: A Velocity Reinforcement Based Hybrid Approach	**KB Sri Sathya**, Kandasamy Sellamuthu, P Vasundradevi, I Baranilingesan, N Nandhini	August, 2025	SCI
2	Enhancing privacy in IoT-based healthcare using provable partitioned secure blockchain principle and encryption	CS Madhumathi, **K Vishnu Kumar**	13-08-2025	SCI

Sr.No.	TITLE OF PAPER	AUTHORS	MONTH	INDEXING SCOPUS/SCI /Conference Publication
3	Enhanced quantum long short-term memory neural network based multi-task learning for sentimental analysis and cyberbullying detection	K. Subashree, **S.Manoj Kumar**	July & 2025	SCI
4	ANN-based strength prediction of concrete with nano silica, glass, and coir fibers	Kalai Selvi Manoharan, **Manjula Devi Ramasamy**, Subbulakshmi Thillaigovindan, Anandaraj Subramaniam, Shaniya Shanavas, Rasika Dhandapani	September 2025	SCI

CONSULTANCY WORKS

S.No	Name of the Faculty	Name of the Company	Title of the consultancy work	Fund received in Rs	Date
1	Rajeshkumar S	Ozotec Pvt Ltd	Research and Developement of an onboard diagnostic tools for E-Vehicle (ConZo)	32,400	31/07/2025 and 10/09/20205

PROPOSAL GRANTED

Turning Ideas into Actions

S.No	Title of the project/ Program	PI Details Co-PI Details	Funding agency	Amount	Status and Date of grant applied	Date of grant received
1	WildGuard: NextGen wildlife repellent System	**Dr.R.Devi Priya**	EDII-IVP	20,000	Recieved	29.6.2025
2	Empowering Young Minds through Smart Farming, Safe Food Practices, and Sustainable Agri-Tech for a Healthier Tomorrow	**Dr.T.Primya Dr.Nisha Soms**	AICTE-VAANI	2,00,000	08.04.2025	10.06.2025
3	Climate action and Green Diplomacy: India 'S Leadership In Sustaiable Development and Global Partnerships	**Dr.R.Devi Priya Ms.C.Sasikala, Dr.T.Primya**	ICWA	55,000	08.04.2025	29.05.2025
4	Mental Health in the Digital Age: Evaluating the Efficacy of AI-Based Counseling Platforms	**Dr.R.Devi Priya Dr.T.Primya ,Ms.C.Sasikala, Ms.R.Jeevitha**	ICMR	67,000	23.04.2025	13.06.2025
5	Building D-Apps using Blockchain Technologies	**Ms. Geetha S K**	ACM - W	15,000.00	08.04.2025	Oct 2025
6	AI Conclave on Healthcare	**Dr. Priya V**	ACM - W	17,136	28.04.2025	03.08.2025

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	Improving Efficiency in Machine Learning: A Deep Dive into Optimization, Data Handling, and Hardware Utilization	Sraan Senthur Suthanthran SS PavithraP Dineshkumar **Kandasamy** SellamuthuP VasundradeviK Geetha	29-30 April 2025	Scopus	June 2025
2	Integrating LSTM Autoencoders in Medical Monitoring Systems for Early Diabetes Detection	Vaishnavi Dali. A; David Samuel Azariya. S; Sundaram.P; Hemalatha. K; Priyabrata Thatoi; **Nisha Soms**	06-07 March 2025	Scopus	-
3	An AI-Driven Big Data Approach for Personalized Healthcare: Enhancing Predictive Analytics and Treatment Recommendations	Hemalatha. K; David Samuel Azariya. S; Pushpalatha. R; Kamali. R; Vaishnavi Dali. A; **Nisha Soms**	06-07 March 2025	Scopus	-

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	Enhancing Driver Safety with an Ensemble Deep Framework (EDF) for Distracted Driving Detection	R. Sivaranjani, **V. Priya**	August 2025	Scopus	--
5	TabNet Fusion Framework for Explainable Multi-Omics Alzheimer's Disease Classfication	Vidhya K , S K Surya , **Geetha S K** , T M Thiyagu , Catherine Joy R, Jenefa Archpaul	July 2025	Scopus	--
6	Context Aware Authentication with Embedded Malware Scanning for IoT Security	**Keerthana. R**, Barakkath Nisha. U, Yasir Abdullah.R	Sep 2025	Scopus	--
7	Advances in Software-Defined Wireless Networks (SDWN): Solutions for Flexible and Scalable Communication	B. Ramesh, C Mahesh, R. Sabitha, **V.Priya**	July 2025	Scopus	--

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
8	Implementation of a Machine Learning Model for Predicting and Evaluating Mental Health Risks	**Premkumar Duraisamy**, Parvathy.K, V. Niranjani, Arunkumar D, Karthik S	July 2025	Scopus	--
9	Implementation and Evaluation of Machine Learning Approaches for Parkinson's Disease Prediction	**Premkumar Duraisamy**, Parvathy.K, V. Niranjani, Akshaya R, Karthik S	July 2025	Scopus	--
10	Enhanced Chronic Heart Disease Prediction Using Feature Engineering and Genetic Algorithm Based Hyperparameter Optimization. Sylwan.	R, SangeethapriyaS , Gomathi & B, Dhiyanesh , **J.K.Kiruthika** & Perumal, Saraswathi & K, Divya.	July 2025	WoS	--

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	Long Short-Term Memory Models and Mediapipe Based Framework for Indian Sign Language Translator.	Karthika, K., **Devi Priya, R.**, Sathishkumar, S., Ramamoorthy, R., Radhika, K.	June 2025	Yes
2	Crop Yeild Estimation	M Salomi, **JK Kiruthika**, S Samsudeen, G Maragatham	10.10.2025	Yes
3	Optimization algorithms for design and control	Pushpavalli M. **Munirathinam** T.Kanimozhi T. Ramya C. Girimurugan R.Saranya K.	August 2025	Yes
4	Enhancing Decentralized Privacy Through Integration of Blockchain with IoT for Healthcare Applications	**R Manjula Devi**, M Sangeetha, R Venkatesan, Lalitha Balasubramanian, P Keerthika	Jul 2025	Scopus
5	Sustainable AI-Powered Systems and Cybersecurity for Health Diagnostics: Addressing Bias and Fairness in AI for Early Disease Detection	S. Savitha, R. Keerthana, K. Logeswaran, V. Vennila , **R. Manjuladevi** , and M. Sangeetha	Jul 2025	Scopus

GATHERINGS THAT INSPIRE!

Our Events Organized

S.No	Event Date	Title	Seminar/FDP /Workhop	Faculty Coordinator
1	17.07.2025	Alumni Talk-I	Alumni	Ms.Jeevitha R,Mr.Naveen Kumar
2	23.07.2025	Awareness Program on Drug usage and Child Abuse	ISR	Dr.Nisha Soms, Ms. Sri Sathya K B
3	23.07.25	Think,build.Protect. publish: Projects with purpose	HANDSON SESSION	Ms Kiruthika J K
4	28.07.2025- 02.08.2025	Devops	FDP	Dr.T.Primya
5	28.07.2025- 02.08.2025	Employability Skills	FDP	Dr.T.Primya
6	08.08.2025	Leadership Unlocked	Inauguration	Ms Kiruthika J K, Ms Princy

S.No	Event Date	Title	Seminar/FDP /Workhop	Faculty Coordinator
7	08.08.2025	Fuel to Fit	Seminar	Ms Kiruthika J K, Ms Princy
8	08.08.2025	Model your voice	Guest Lecture	Ms Kiruthika J K, Ms Princy
9	11.09.2025	Exploring Future Frontiers with IEEE	Orientation Session	Ms Princy S,Ms Suganya M
10	26-09-2025	Building Web3 Applications: From Blockchain to DApps	Workshop	Ms.GEETHA S K, Mr.NAVEENKUMAR M
11	07-10-2025	Creating Interactive Dashboards and Charts for Data Storytelling using Tableau	Guest Lecture	Mr.NAVEENKUMAR M
12	11-10-2025	Computer organization and architecture hardware approach	Guest Lecture	Dr.DHAKSHINA MOORTHY T
13	15-10-2025	Workshop on NoSQL Databases: A Deep Dive into MongoDB	Workshop	Dr.MANOJ KUMAR S, KEERTHANA R

CHEERS TO SUCCESS

Congrats to our Placed Stars!

S.No	Student Name	Company Name
1	CHARAN B	GoML
2	DINESH KANTH R	GoML
3	NAVEENASRI T	GoML
4	RAM KUMAR R	GoML
5	BRIANA R	Fab Connect
6	RAAM PRASHATH T	Hyperready
7	MOUNIESH V	Hyperready
8	KATHIR KARTHIK M	Hyperready
9	DIVYASHRI TKS	Kone
10	GAYATHRI G	Kone
11	JANA N	Velam AI

S.No	Student Name	Company Name
12	AMUTHINI P	Hexaware
13	ARNESH R	Hexaware
14	DEEGSHIKA M	Hexaware
15	AKALYA M S	Hexaware
16	DEEPSHIKA P	Engati
17	ANUKARTHIKA S	Engati
18	HARI PRASHATH M G	Kaar
19	NITHIN S S	Kaar
20	MONISHA S	Payoda
21	RAJARAM A	QUINPAY
22	RAVINDRAN LOGASANJEEV	QUINPAY
23	RASIKA D	ValueHealth Solution

S.No	Student Name	Company Name
24	RITESH PATEL	ValueHealth Solution
25	KARTHICK S	Zoho
26	PAVITHRAN B	Zoho
27	RAKUL S B	Zoho
28	ABHISHEK N M	EPAM
29	ANTO JONITH A	EPAM
30	LOHIETH R	Mallow Tech
31	MOHAMMED RASHIDH S	ValueHealth Solution
32	RAHAMATE ALAM ANSARI	ValueHealth Solution
33	AABITH ROSHAN B S	Virtusa
34	KEERTHIKA V	Virtusa
35	MEHA SRI A	Virtusa

S.No	Student Name	Company Name
36	PAVITHRA D	Virtusa
37	POOJA V	Virtusa
38	RAVIVARMAN B	Virtusa
39	RAYYAN A	Virtusa

STUDENT EXCELLENCE BEYOND THE NORM

ARC Students Participated in NOMIZO'25 National Level Technical Event at SRM Institute of Science and Technology, Chennai on 01/08/2025 and Won 1st & 2nd Prize in the following Event:

Robo Squid Game

1st Prize

Dixit Tharun Raja P - III CSE

2nd Prize

Darshan M - II CSE

Mentored By

Dr. Arivazhagan S



STUDENT EXCELLENCE BEYOND THE NORM

Deepak II CSE A Won Zonal level Football Tournament



STUDENT EXCELLENCE BEYOND THE NORM

Aadithya II CSE A and Dharamveer II CSE A Won Second Prize in IEEE CS event.

