

Participation in inter-institute events by students:

S.No	Name of the student(s)	Dep	Year /Sem	Name Of the Events	Organizing Institution /body	State national International	Date Of events
1.	Deepak H	CSD	III/V	Paper Presentation	Muthayam mal Engineering college	National level	13.08.2025
2.	Gowtham M	CSD	III/II	Paper Presentation	Muthayam mal Engineering college	National level	13.08.2025
3.	ASHWANTH	CSD	II/III	Workshop	K.P.R Institute for engineering and technology	National level	26.09.2025

NEWS LETTER

DECEMBER-2025 V olume-2 Issue-1

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

Semester News Letter
2025-2026(Odd)

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Vision

To produce professionals for designing technology with ethical values, ingenious attitude and team spirit required for the continual development of the society and the nation.

Mission

- To bestow academic environment for the development of skilled professionals qualified with knowledge, skills, values, and ethics, thereby take a role in the field of computer science and design.
- Imbibing holistic, creative learning and ethical attitude for embracing global challenges and leadership qualities in the field of computer science and design.
- To influence graduates with the skills to become self-employed entrepreneurs and future leaders.



K S R COLLEGE OF ENGINEERING
(AUTONOMOUS)

Vision

We envision to achieve status as an excellent educational institution in the global knowledge hub, making self-learners, experts, ethical and responsible engineers, technologies, scientists, managers, administrators, and entrepreneurs who will significantly contribute to research and environment-friendly sustainable growth of the nation and the world.

Mission

To cultivate self-learning abilities in students, empowering them to become skilled, responsible professionals through quality education and by addressing environmental and social needs. We aim to build global partnerships through knowledge sharing, research, and innovation. Our mission is to shape future-ready leaders for a sustainable world, equipped with values, vision, and versatility.

We strive to foster creativity, critical thinking, and a lifelong passion for learning.

PEOs OF THE DEPARTMENT

PEO1: To develop the ability to think critically, analyze and make innovative design for offering techno-commercially feasible solutions.

PEO2: To apply current tools and technologies to contribute for industries, public sectors, research organization for solving time critical problems.

PEO3: To impart the knowledge of inventive design skills and lifelong learning to succeed in their professional challenges.

PROGRAMME OUTCOMES(POs)

PO1: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: Design creative solutions for complex engineering problems and design/develop systems/components /processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO8: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.

PO10: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Recognize the need for, and have the preparation and ability for

- i) independent and life-long learning
- ii) adaptability to new and emerging technologies and
- iii) critical thinking in the broadest context of technological change. (WK8)

PSOs of Department

PSO1: Acquire knowledge in several areas of Computer Science and Design to promote skills necessary for a profession, entrepreneurship and higher education.

PSO2: Ability to use appropriate tools and platforms successfully, as well as improve them, to produce applications/products for new media design in areas like multimedia, animation, virtual reality and gaming.

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List of faculty members in the department:

Dr. Malatthi Sivasundaram	Ph.D	Associate Professor & Head
Ms. HemaLatha	M.E	Assistant Professor
Mr. Gopinath V	M.E	Assistant Professor
Mrs. Latha	M.Sc.,M.Phil.,(SET)	Assistant Professor

FDP/Seminar/Conference/Workshop Attended by Faculty:

S.No.	Name of the Author(s)	Department	Title of the Paper	Name of the Conference	Month & Year of Publication
1	K. Vinoth ; V. Gopinath ; S. Hemalatha ; M. Subharanjani ; D. Surya ; R. Ragul	CSD	Reliable Drowsiness Detection using Machine learning Integrated with an Alert System	International Conference on Computational Innovations and Engineering Sustainability (ICCIES)	JUNE & 2025
2	Malatthi Sivasundaram;V. Gopinath;V. Prakasham;G. Akshaya;R B. Haripriya;M. Sowmiya	CSD	Voice-activated Chatbot for Visually Impaired Users to Detect Objects and Navigate in Real-Time	International Conference on Computational Innovations and Engineering Sustainability (ICCIES)	JUNE & 2025
3	P. Nithya; V. Sowmitha; Malatthi Sivasundaram; V. Lokeshwaran; V. Gopinath; R. Latha	CSD	Improving Traffic Sign Detection Under Variable Lighting Conditions Using Deep Learning Algorithms	6th International Conference on Inventive Research in Computing Applications (ICIRCA)	JUNE & 2025
4	R. Deebika; V. Gopinath; S. Hemalatha; B. Arunagiri; B. Gokula Priyan; S. Vasanth	CSD	An Optimized Precision in Tea Leaf Disease Identification using Faster R-CNN Model	2025 International Conference on Intelligent Computing and Control Systems (ICICCS)	MAY & 2025
5	R. Deebika; M. Sangeetha	CSD	Optimized ResNet-50 Deep Learning Model for Highly Accurate Plant Disease Classification and Detection Efficiency	2025 6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)	JULY & 2025
6	Aruna R Shet; Prajna K B; Jyoti Prakash Dhal; Bommanaboyina Hari Krishna; Senthil Kumar D; Hemalatha S	CSD	Integrating CNN-LSTM and Physical Models for Predicting Climate Extremes	2025 3rd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	SEPTEMBER & 2025

7	S. Hemalatha;S. Malatthi Sivasundaram;P. Nithya;S. Deepak;V.S. Udhayaragavan;S. Yogesh Kumar	CSD	AI-Powered Workplace Safety: Helmet and Face Detection using YOLO for Access Control	2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN)	JUNE & 2025
8	V. Gopinath; M. Sangeetha	CSD	Spatial-Temporal Digital Twin for Crop Disease Prediction: A Hybrid ConvLSTM-Graph Neural Network Approach	2025 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI)	DECEMBER & 2025
9	V. Gopinath; R. Deebika; M. Asick Ali; N. S. Harisva; S. Mathiyazhagan; Yasar Arafath Azad Ali	CSD	Lightweight Framework for Railway Obstacle Detection using YOLO Network	2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN)	JULY & 2025
10	V. Gopinath; V. Prakasham; K. Vinoth; C. Abishek; N. Rishikesh; R. Vijaya Baskar	CSD	Real Time Vehicle Anti-Theft Detection and Tracking with IoT Notifications	2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN)	JUNE & 2025
11	Thangamani R;Vimaladevi M;V. Gopinath;K.M. Subramanian;V. Latha Jothi	CSD	Deep Learning Based Crowd Counting for Campus Safety Monitoring	2025 6th International Conference on Inventive Research in Computing Applications (ICIRCA)	JULY & 2025
12	V. Prakasham; M. Sangeetha	CSD	Multi-Disease Detection in Chest X-rays using Dual-Branch Vision Transformer with Contrastive Feature Alignment and Uncertainty-Guided Fusion	2025 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI)	DECEMBER & 2025
13	V. Sowmitha; R. Deebika; T. Sathya; S. Kaviyarasan; S. Purusothaman; A. Barath	CSD	A Comprehensive Secured Digital Voting System using Web Development and Blockchain	2025 International Conference on Intelligent Computing and Control Systems (ICICCS)	MAY & 2025

14	V. Sowmitha; S. Hemalatha; M. Indumathi; A.S. Harina; R. Deebika; T. Sathya	CSD	YOLOv11-based Real-Time Detection of Concealed Weapons in X-Ray Vehicle Scans for Mall Parking Security	2025 7th International Conference on Inventive Material Science and Applications (ICIMA)	JULY & 2025
15	V. Sowmitha; R. Deebika; K. Vinoth; S. Suryaprakash; K. Kalaivendhan; V. Karthi	CSD	Federated Learning in Email Server Authentication for Spam Mail Detection Using LSTM Algorithm	2025 International Conference on Smart & Sustainable Technology (INCSST)	OCTOBER & 2025
16	P. Jayadharshini; Muthuraman Saminathan; Lalitha Krishnasamy; P. Nithya; T. Sathya; N. Abinaya	CSD	Advanced Detection of Helmet Usage and Number Plates in Riders	2025 International Conference on Sustainability, Innovation & Technology (ICSIT)	DECEMBER & 2025

List of Seminar/workshop/Program/Events Organized:

S.No	Department	Nature of the program	Title of the Program	Name of the resource person	Date	No of people attended
1	CSD	Seminar	Portfolio Development with React: Build, Test, Deploy	Mr. Santhosh NC, Lead Infrastructure Consultant, Thoughtwork, Coimbatore.	19.07.2025	63
2	CSD	Seminar	Federated Analytics For Privacy – First Enterprises	Mr. Dinnes Prabhakaran, Packed App Development Analyst Accenture, Bangalore.	26.07.2025	63
3	CSD	Internship	Internship Evaluation	Mr. Dinnes Prabhakaran, Packed App Development Analyst Accenture, Bangalore.	26.07.2025	63
4	CSD	Seminar	Carriers in Code: Technologies that get it Graduates Hired	Mr. Ramshankar T R, Technical Head, Robomatiic, Coimbatore.	– 19.07.2025	63

5	CSD	Seminar	Importance of Research Design for Innovative Solutions in Data Science	Dr.K.Nithya, Assistant Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore	- 09.08.2025	
6	CSD	CC	Career Pathways in Cloud Computing from Foundation to Architect	Mr. Rakkesh S, Software Engineer, Infinity Software Solutions, Chennai	- 09.08.2025	
7	CSD	Seminar	Discover Data: Play, Learn and Analyze	Mrs.T.Sathya, AP/CSE	13.09.2025	
8	CSD	workshop	Code Smarter With Git hub Copilot :The Ai-Powered Developer Workshop	Mr. Santhosh NC, Vice President, Lead Infrastructure Consultant, Thoughtworks, Coimbatore	10.10.2025	
9	CSD	Seminar	International Seminar On Preparing Datasets For Predictive Modeling	Mr.Saravanan Murugesan Assistant Consultant, Tata Consultancy Services, Chennai.	09.10.2025	



SEMINAR ON PORTFOLIO DEVELOPMENT WITH REACT : BUILD,TEST,DEPLOY ON 19.07.2025

The **SEMINAR ON PORTFOLIO DEVELOPMENT WITH REACT**

dd build a professional portfolio website using React, commit the project to GitHub for version control and collaboration, and successfully deploy it on Vercel for live hosting.



SEMINAR ON FEDERATED ANALYTICS FOR PRIVACY – FIRST ENTERPRISES ON

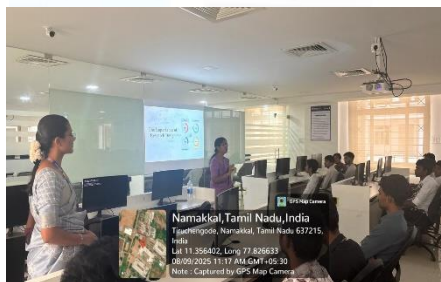
The **"Federated Analytics for Privacy – First Enterprises"**

seminar is designed for participants to typically gain insights into technical architectures,tools,and methodologies that enable effective federated analysis without compromising data security.

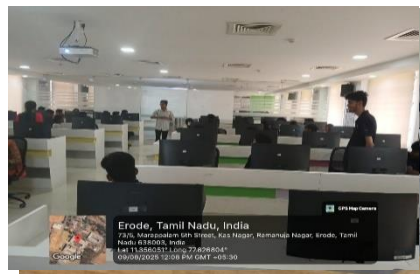


SEMINOR ON TECHNOLOGIES THAT GET IT GRADUATES HIRED HIRED ON 19.07.2025

The **"Carriers in Code:Technologies that get it hired seminar"** is designed to provide participants with a foundational understanding of demand in IT job market.



SEMINAR ON IMPORTANCE OF RESEARCH DESIGN FOR INNOVATIVE SOLUTIONS IN DATA SCIENCE ON 09.08.2025



SEMINAR ON CAREER PATHWAYS IN CLOUD COMPUTING FROM FOUNDATION TO ARCHITECT ON 09.08.2025



EVENT: DISCOVER DATA: PLAY, LEARN AND ANALYZE ON 13.09.2025

The **Seminar on Importance of Research design for Innovative Solutions in Data Science** was a dedicated session to improve students ability to innovation and creation.

The **Seminar on Career Pathways in Cloud Computing from foundation to Architect** was carried out educate students on choosing career pathways in Cloud Computing.

The **Session was organised** by by Mrs.T.Sathya, AP/CSE about DataAnalytics in a fun and interactive manner.



SEMINAR ON FUTURE TRENDS IN CYBER SECURITY ON 10.10.2025



INTERNATIONAL SEMINAR ON PREPARING DATASETS FOR PREDICTIVE MODELING ON 09.10.2025



ORIENTATION PROGRAMME ON ROLE OF GLOBAL CERTIFICATION IN IT SECTOR ON 16.10.2025

The **“Code Smarter With Git hub Copilot** offered participants valuable insights into the rapidly evolving landscape of digital security and emerging threats. Attendees explored advanced topics such as AI-driven security, quantum cryptography, and the increasing relevance of cybersecurity in IoT.

The **International Seminar on Preparing Datasets for Predictive Modeling** provided participants with an in-depth understanding of the critical role that data preparation plays in building accurate and reliable predictive models.

The **Orientation Programme on the Role of Global Certification in the IT Sector** aimed to raise awareness among participants about the growing importance and impact of globally recognized certifications in shaping successful IT careers.

SPRINGFEST-2K25



PAPER PRESENTATION

SpringFest 2K25 featured a Paper presentation, a Next Code Debugging event to enhance coding skills, and a Paper Presentation session that encouraged innovative ideas and research among students.



CODE DEBUGGING

"Debugging" event held at the college provided participants with practical experience in identifying and resolving coding errors, enhancing their problem-solving skills and debugging proficiency in real-time scenarios.



TREASURE HUNT

SpringFest 2K25 featured a treasure hunt, Next Code Debugging to boost coding skills, Presentation for research exposure, and a fun-filled Treasure Hunt to promote teamwork and problem-solving.



HACKATHON

The SpringFest 2K25 Hackathon provided participants with a strong foundation in user interface and user experience design principles.



BUG BUSTERS

The "Next Code Debugging" event held at the college provided participants with practical experience in identifying and resolving coding errors, enhancing their problem-solving skills and debugging proficiency in real-time scenarios.



CONNECTIONS

As part of SpringFest 2K25, a series of technical events were organized to enhance students' design and development skills. The SpringFest 2K25 Hackathon provided participants with a solid foundation.



MoU with iGradAI Labs on 16.10.2025

The purpose of this Memorandum of Understanding (MoU) with iGradAI Labs is to state the terms and understanding between the parties to cooperate and focus their effort on cooperation within area of Skill based Training ,Education, Internship ,In-Plant training ,Placement ,Hackathon ,Workshop ,Industrial visit,1 Credit Course , Faculty Development Program , Value Added Course, Global Certification and Expert Lecture.



