

K.S.R. COLLEGE OF ENGINEERING

(Autonomous)

Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai.

An ISO 9001:2008 Certified Institution.



DEPARTMENT OF
COMPUTER SCIENCE AND DESIGN
NEWS LETTER
ACADEMIC YEAR 2024-2025

VISION OF THE INSTITUTE

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 OF THE INSTITUTE

To inculcate in the students' self-learning abilities that enable them to become competitive and considerate engineers, technologists, scientists, managers, entrepreneurs, and administrators by diligently imparting the best of education, nurturing environmental and social needs. To foster and maintain a mutually beneficial partnership with global industries and Institutions through knowledge sharing, collaborative research, and innovation.

VISION OF THE DEPARTMENT

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 OF THE DEPARTMENT

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

An Autonomous Institution

Thiru.R.SRINIVASAN,B.B.M.
Chairman,
KSR Educational Institutions



Message

Education is the foundation of a brighter tomorrow, and this Newsletter reflects the vibrant spirit of our learners. May it continue to inspire creativity, excellence, and lifelong curiosity in every reader.. In the recent times, the role of KSRCE is to carryout proactive research and development activities to make the students as well as faculty member's intellectuals, which are very challenging and demanding. It is of great significance that this magazine is going to deliberate upon It will definitely explore new areas of practice and enhancing quality of professional services.

I am sure this magazine will be a milestone in ensuring the highest standards in this profession. I wish the organizers the very best in this and all their other endeavors.

I am eagerly looking forward to seeing you and enjoying this magazine in KSRCE Campus.

With best wishes

Mr.R. Srinivasan

Chairman

KSR Educational Institutions

Dr.M.VENKATESAN,M.E.,Ph.D.,
Principal



Message

It is with immense pride and joy that I present to you the latest edition of our CSD Department Newsletter a vibrant reflection of the creativity, talent, and achievements of our students and staff.

Over the past one decade, KSRCE has served the young engineering aspirants of our nation by providing state-of-art facilities and well knowledgeable faculty members.

The Institute has held high the lighted torch of teaching and learning and has not failed in its duty in the hour of need. The students imbibe qualities of an excellent teacher and researcher to set academic standards. The last couple of years marked several milestones in the history of KSRCE.

Technology is constantly evolving, and staying up to date with the latest trends can help us stay competitive in the job market, give you access to new features and capabilities.

I congratulate the editorial team, contributors, and all those who have worked tirelessly to bring this edition to life. Let this magazine serve not only as a record of our accomplishments but also as an inspiration for the journeys yet to come.

With best wishes

Dr.M.Venkatesan
Principal

1. Achievements/Awards of Faculty & Students

Salient Achievements (Faculty)



S. No.	Institution / Dept.	Name of the faculty	Achievement	Awarded by
1.	CSD	Dr. Malatthi Sivasundaram	Best Faculty Award	Society for Information Communication and Electrical Engineering & Society for Aerospace and Mechanical Professional on 06.08.2024.

Salient Achievements (Student)

S. No	Dept.	Name of the Student	Achievement	Awarded by
1.	I CSD	ABHIRAMI B N	Elite	NPTEL
2.	I CSD	BAVIYAVARSHINI T M	Elite	NPTEL
3.	I CSD	CHARUMATHY R	Elite	NPTEL
4.	I CSD	DHAKSHAYA SHREE S	Elite + Silver	NPTEL
5.	I CSD	DHARANI V	Elite	NPTEL
6.	I CSD	DHIVAKAR M	Elite	NPTEL
7.	I CSD	JAMUNA K	Elite	NPTEL
8.	I CSD	MADHUMITHA P	Elite	NPTEL
9.	I CSD	PARAMESHWARI N	Elite	NPTEL
10.	I CSD	PRASANTH M	Elite + Silver	NPTEL
11.	I CSD	SARAN DHARSHINI S	Elite + Silver	NPTEL
12.	I CSD	SUDHARSHAN B	Elite + Silver	NPTEL
13.	I CSD	VAITHEESWARAN R M	Elite	NPTEL
14.	I CSD	YALINI K	Elite + Silver	NPTEL
15.	II CSD	SUJITH C	Elite	NPTEL
16.	II CSD	KARTHIK S	Elite	NPTEL

2. Research Publications—(Journal/conference/Patents/Books/book chapter)
Format

Journal /Conference Publications (Scopus Indexed/UGC care Journals Only)

1.	Dr Santhosh J, Muniyandy Elangovan, S.Srinivasan, Dr. Malatthi Sivasundaram, Aravindh R, Dr. Amit Chauhan, “Cloud Offloading Efficiency with Deep SMOTE and Ant Lion Optimizer Enhanced by Non-Linear Analysis”, VOL.33, NO.2,2024.		Scopus
2.	Dr. Malatthi Sivasundaram, “Detecting Stress and Depression using Machine Learning Algorithms”, International Conference on Development of Intermediate Scale Quantum Computing (IC-DISQC’2024) held on 29 th -30 th August 2024.		International Conference



Patents Published /Granted

S. No.	Title	Inventors	Application No.	Date	Status
1	Application number of H52-Social network messages	Dr. Malatthi Sivasundaram	202441058856	August 2024	Published


3. Funds &Consultancy

Name of the PI /Co PI	Dept	Title of the Project/Consultany	Name of the Funding agency	Total Funds Granted / Received (INR in lakhs)	Photo of PI/COPI
Nil					

4. MoU/Centre of Excellence

Name of the Organization /Industry	Name of the Dept	Date of MoU	Nature/outcome of MoU	Photo
Gateway Software Solutions Coimbatore	Computer Science and Design	12.09.24	Internship and In plant Training, Placement, Project Support	
Stack Queue Education, Salem	Computer Science and Design	12.11.24	Internship and In plant Training, Placement, Project Support	

4. Faculty Information (PhD Completed/PhD Registered/Supervisor Recognition)

PhD Registered	Photo
Mrs.R.Latha, Department of MATHS has Provisionally Registered for PhD Programme under the faculty of Science and Humanities on 12.07.2024.	

5. 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	Workshop	Workshop on Github Workflow Mastery: From Version Control to Automation	Mr.N.C. Santhosh Senior Devops Engineer, Terrascope Pvt., Ltd., Singapore	27.07.24	31
2.	CSD	Seminar	Seminar on How to Crack CAT Exam?	Mr.M. Shanmuganathan, Manager, T.I.M.E Institute, Salem.	10.08.24	31
3.	CSD	Seminar	Seminar on Photoshop Essentials	Mr.M.N. Santhosh Designer, ETS Academy, Erode	24.08.24	31

4.	CSD	Non-Technical Event	Jigsaw Debate	Mrs.P. Rathika Assistant Professor Department of CSE KSR Insitute for Engineering and Technology	24.08.24	31
5.	CSD	Seminar	UI/UX Design	Mr.Sabarinathan Muthu Chief Executive Officer and Founder, Gateway Software Solutions, Coimbatore.	12.09.24	31
6.	CSD	Symposium	SpringFest -2k24	Mr.AnandBabu Manager Design Thinker & Facilitator Chennai	27.09.24	31
7.	CSD	Workshop	UI/UX Design using Figma	Mr. M. N. Sri Gowtham Founder & CEO Pep Software Private Limited, Erode.	28.09.24	31
8.	CSD	Seminar	Future Trends in Cyber security	Mr. A. S. A. Krishnan Advisor – Cyber Security SBI Mutual Funds Ltd New Delhi	12.10.24	31
9.	CSD	International Seminar	Preparing Datasets for Predictive Modeling	Dr.V.E.Sathishkumar Department of Computing and Information Systems, Sunway University, Malaysia	09.11.24	31
10.	CSD	Seminar	AWS Cloud Essentials	Mr.T.Vasanthkumar Network Engineer, Extol Tech Solutions, Erode	25.01.25	31
11.	CSD	Seminar	The Role of Cloud Architecture in Modern Technology	Mr.SaravanMurugesan, Assistant Consultant, TATA Consultancy Services, Chennai	22.02.25	31
12.	CSD	Workshop	Incident Response Defending in cyber-Threats for Remote Learning	Dr. Javid Iqbal Thirupattur Senior Lecturer, Departmental Data Science & Artificial	22.03.25	31

			Environment	Intelligence, Sunway University, Malaysia		
13.	CSD	Workshop	Gen AI – A hands on Large Language Models	KSRCE Faculty Team	07.04.25 & 08.04.25	31
14.	CSD	Seminar	The Entrepreneurial mindset cultivating resilience and creativity	Mr.T.P.Karthik Social Commerce Entrepreneur Project Manager Kyndryl India Private Limited Chennai	18.04.25	31

6. FDP/Seminar/Conference/Workshop Attended by Faculty

S.No	Name of the faculty/	Department	Title of the Program	Duration From –to	Organized by
1.	Dr. Malatthi Sivasundaram	CSD	Atal FDP on Immersive Virtual Reality in Navigating the Future of Learning	09.12.2024 to 14.12.2024	Prathyusha Engineering College
2.	Dr. Malatthi Sivasundaram	CSD	International Conference on Intelligent Computing	21.03.2025 to 22.03.2025	Panimalar Engineering College
3.	Mr.K. Kalaivendhan	CSD	International FDP on Machine Learning and Artificial Intelligence	14.8.2024 to 19.8.2024	14.8.2024 to 19.8.2024
4.	Mr.P. Karthi	CSD	International FDP on Machine Learning and Artificial Intelligence	14.8.2024 to 19.8.2024	Telegana Academy for Skill and Knowledge
5.	R. Latha	MATHS	Recent Trends in computing 4.0	08.07.2024 to 13.07.2024	Vishvakarma Institute of Technology, PUNE
6.	R. Latha	MATHS	Deep Learning and IOT Technologies in Precision Healthcare	17.08.2024	Kongu Engineering College

7.	R. Latha	MATHS	International Conference on Computational Mathematics and Statistics	30.09.2024	ST. Joseph College of Arts and Science for Women
8.	R. Latha	MATHS	ATAL FDP on Green Energy and E-Mobility for Sustainable Environment	02.12.2024 to 14.12.2024	Vivekanandha College of Engineering for women
9.	R. Latha	MATHS	FDP on Chalkboard to Chatbot	23.12.2024 to 29.12.2024	KS Rangasamy College of Arts and Science

7. Certification courses by Students(NPTEL.Coursera,others)

S.No	Nameof the student	Dept	Year/ Sem	Name of the course certified/ completed	Awards,ifAny
1.	ABHIRAMI B N	CSD	I/II	Introduction to Internet of Things	Elite
2.	BAVIYAVARSHINI T M	CSD	I/II	Introduction to Internet of Things	Elite
3.	CHARUMATHY R	CSD	I/II	Introduction to Internet of Things	Elite
4.	DHAKSHAYA SHREE S	CSD	I/II	Introduction to Internet of Things	Elite + Silver
5.	DHARANI V	CSD	I/II	Introduction to Internet of Things	Elite
6.	DHIVAKAR M	CSD	I/II	Introduction to Internet of Things	Elite
7.	JAMUNA K	CSD	I/II	Introduction to Internet of Things	Elite
8.	MADHUMITHA P	CSD	I/II	Introduction to Internet of Things	Elite
9.	NISHANTH S	CSD	I/II	Introduction to Internet of Things	Successfully Completed
10.	PARAMESHWARI N	CSD	I/II	Introduction to Internet of Things	Elite
11.	PRADEEP E	CSD	I/II	Introduction to Internet of Things	Successfully Completed
12.	PRASANTH M	CSD	I/II	Introduction to Internet of	Elite + Silver

				Things	
13.	PRIYANKA R C	CSD	I/II	Introduction to Internet of Things	Successfully Completed
14.	SARAN DHARSHINI S	CSD	I/II	Introduction to Internet of Things	Elite + Silver
15.	SUDHARSHAN B	CSD	I/II	Introduction to Internet of Things	Elite + Silver
16.	VAITHEESWARAN R M	CSD	I/II	Introduction to Internet of Things	Elite
17.	YALINI K	CSD	I/II	Introduction to Internet of Things	Elite + Silver
18.	SUJITH C	CSD	II/III	Sustainable Happiness	Elite
19.	KARTHIK S	CSD	II/III	Sustainable Happiness	Elite

8. Students Participation in the professional Events

SN o	Name of the student(s)	Dept	Year/ Sem	Name of the Events	Organizing Institution/body	State/national /International	Date of events
1.	Vignesh S	CSD	II/IV	Paper Presentation	Velalar College of Engineering and Technology	National level	13.09.2024
2.	Parameshwari N	CSD	I/II	Paper Presentation	Paavai Engineering College	National level	08.11.2024 to 09.11.2024
3.	Vignesh S	CSD	II/IV	Web development course	Coderone	National level	20.12.2024
4.	Sudharshan B	CSD	I/II	Workshop (R-Programming)	K.S.R. College of Engineering	National level	12.02.2025
5.	Akshaya V	CSD	II/IV	Industrial seminar on 'The fusion of AI and Quantum Computing'	Excel Engineering College	National level	25.02.2025
6.	Karthik S	CSD	II/IV	Industrial seminar on 'The fusion of AI and Quantum Computing'	Excel Engineering College	National level	25.02.2025

7.	Naveen S	CSD	II/IV	Industrial seminar on ‘The fusion of AI and Quantum Computing’	Excel Engineering College	National level	25.02.2025
8.	Sudharshan B	CSD	I/II	Workshop (Generative AI)	Knowledge Institute of Technology	National level	27.02.2025
9.	Akshaya V	CSD	II/IV	Workshop (Start Up catalyst)	Sona College of Technology	National level	27.02.2025
10.	Madhumitha P	CSD	I/II	Introduction to Cyber security	Skill Up online course	National level	06.03.2025
11.	Sawishna R	CSD	I/II	Paper Presentation	Kongu Engineering College	National level	10.03.2025
12.	Karthik S	CSD	II/IV	Workshop (DFT Demystified)	KS Rangasamy College of Technology	National level	28.03.2025
13.	Kishore M	CSD	II/IV	Paper Presentation	KS Rangasamy College of Technology	National level	28.03.2025
14.	Naveen S	CSD	II/IV	Symposium(Idea sprint)	Hindusthan Institute of Technology	National level	04.04.2025
15.	Vignesh S	CSD	II/IV	Symposium(Z-NEXOS’24)	KGiSL Institute of Technology	National level	17.04.2025
16.	Dhakshyashree S	CSD	I/II	Seminar on Entrepreneurial mindset cultivating Resilience and creativity	K.S.R. College of Engineering	National level	18.04.2025
17.	Prasanth M	CSD	I/II	Seminar on Entrepreneurial mindset cultivating Resilience and creativity	K.S.R. College of Engineering	National level	18.04.2025
18.	Parameshwari N	CSD	I/II	Seminar on Entrepreneurial mindset cultivating Resilience and	K.S.R. College of Engineering	National level	18.04.2025

				creativity			
19	Sudharshan B	CSD	I/II	Seminar on Entrepreneurial mindset cultivating Resilience and creativity	K.S.R. College of Engineering	National level	18.04.2025
20	Dhakshyashree S	CSD	I/II	Technical event 'GUSTO 2025'	Government College of Engineering	National level	23.04.2025
21	Nishanth S	CSD	I/II	Technical event 'GUSTO 2025'	Government College of Engineering	National level	23.04.2025
22	Parameshwari N	CSD	I/II	Technical event 'GUSTO 2025'	Government College of Engineering	National level	23.04.2025
23	Prasanth M	CSD	I/II	Technical event 'GUSTO 2025'	Government College of Engineering	National level	23.04.2025

10. Curricular activities (Sports/Cultural) **Organized**

S.No	Name of the Coordinators	Dept	Year / Sem	Name of the Events	No of students participated	Date of events
Nil						

11. Extension & Outreach program organized

S.No	Dept	Name of the Coordinators	Name of the Events	No of students participated	Date of events	Award any
1.	CSD	Mrs.R.Deebika Mr K.Vinoth	Design Thinking workshop	58	16.07.2024 (FN)	-
2.	CSD	Mrs.R.Deebika Mr K.Vinoth	Entrepreneurship for Beginners	56	16.07.2024 (AN)	-

3.	CSD	Mrs.R.Deebika Mr K.Vinoth	Tech talk series: Inspiring Innovators	62	24.07.2024	-
4.	CSD	Mrs.R.Deebika Mr K.Vinoth	Green innovation: Ideas for a Sustainable World	61	29.07.2024	-
5.	CSD	Mrs.R.Deebika Mr K.Vinoth	AI-Powered Innovations: Ideas for the Future	58	31.07.2024	-
6.	CSD	Mrs.P. Nithya & Ms.S. Hemalatha	Basics of MS Excel, MS Word and PowerPoint	43	20.01.2025	-
7.	CSD	Mrs.V.Sowmitha Mr.C.Karthikeyan	Organizing Innovation and Entrepreneurship	45	27.02.2025	-
8.	CSD	Mr.V.Prakasham Mr. V.Gopinath	Village Greening initiative	19	22.03.2025	-
9.	CSD	Mr.V.Prakasham Mr. V.Gopinath	Tree Plantation	21	21.03.2025	-