

K. S. R COLLEGE OF ENGINEERING

An Autonomous Institution

(Approved by AICTE, New Delhi, Affiliated to Anna University & Accredited by NAAC (A++))

K.S.R. Kalvi Nagar, Tiruchengode – 637 215, Namakkal District,

Tamil Nadu



MASTER OF COMPUTER APPLICATIONS(MCA)

NEWSLETTER

ACADEMIC YEAR 2024-2025

K. S. R. College of Engineering – Tiruchengode Autonomous Institution

NEWS LETTER

1. Vision, Mission of Institution

Vision

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

Mission

- To inculcate in the students self-learning abilities that enable them to become competitive and considerate engineers, technologists, scientists, managers, administrators and entrepreneurs 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.

2. Message from Chairman, Principal

Message from Chairman



Thiru R. Srinivasan BBM., MISTE.,
Chairman,
KSR Educational Institutions

Education is the foundation of a brighter tomorrow, and this magazine 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 carry out 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

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Message from Principal



It is with immense pride and joy that I present to you the latest edition of our MCA Department magazine a vibrant reflection of the creativity, talent, and achievements of our students and Faculty. 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. P. Meenakshi Devi
Principal
KSRCE

K S R COLLEGE OF ENGINEERING
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Message from Head of the Department



It is a pleasure to present this edition of our Master of Computer Applications magazine. Our department is proud to have a strong track record of placing our students in leading IT companies, and we are dedicated to ensuring that our graduates are well-prepared for their future careers. We encourage all students to take advantage of the numerous opportunities available to them, including internships, research projects, and extracurricular activities. We are constantly working to improve our curriculum and teaching methods, ensuring that our students are equipped with the skills and knowledge they need to succeed in the ever-changing world of technology.

With best wishes

Dr. P. Anitha

HoD / MCA

KSRCE

3. Achievements / Awards of Faculty & Students

Salient Achievements (Faculty)



S. No.	Dept.	Name of the Faculty	Achievement	Awarded by
1.	MCA	Dr.J.K.Kanimozhi	Best Faculty Award (Jan' 2025)	Knowledge Research Academy, CBE
2.	MCA		Best Achiever Award (Feb' 2025)	Tech Forum Research Foundation (MSME)



Salient Achievements (Student)








S. No	Dept.	Name of the Student	Achievement	Awarded by
1.	MCA	Mr.M.Nethaji (II Yr MCA)	Best Project in AIR Summit 2025 (01.04.2025)	KSR College of Engineering
2.	MCA	Mr.P.Chandru (II Yr MCA)	Best Poster Presentation in AIR Summit 2025 (01.04.2025)	KSR College of Engineering



4. Research Publications – (Journal/conference/ Patents / Books / Book Chapter) Format

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

1	Anitha, P., Surya, S., Swetha, S., Suganeshwaran, N., Suriya, V., "Hiding Data Using Efficient Combination of RSA Cryptography, and Compression Steganography Techniques", International Conference on Mathematical Modeling and Computational Science, ICMACS 2025, DOI: 10.1007/978-3-031-90998-6_23		Scopus
2	Anitha, P., Vignesh, S., Vigneshwaran, A., ... Yogesh, E., Tamilselvan, S., "Hand Detection and Finger Counting Using Python" International Conference on Mathematical Modeling and Computational Science, ICMACS 2025. DOI: 10.1007/978-3-031-90998-6_23		Scopus

3	Nivetha, N.R.P., Periasamy, P.S., Anitha, P., "Binary fire hawks optimizer with deep learning driven noninvasive diabetes detection and classification", <i>Bratislava Medical Journal</i> , 2024, 125(2), pp. 117-124, DOI: 10.4149/BLL_2024_020		Scopus
4	A.Yoganathan P.S.Periasamy, C.Devipriya, P. Anitha, Accurate identification of Leaf disease using Yolov4 algorithm, Accurate identification of Leaf disease using Yolov4 algorithm, Vol: 32, 1074-133X, April, 2025		Scopus
5	R.Geetha. N.Prakash, S.Ashwin, A. Yoganathan, P.Kalyanasundaram, P.Anitha," Enhancing Safety Prediction in Accident-prone Zones using Gradient Boosting Machines", Fourth International Conference on Smart Technologies, Communication and Robotics,2025		Scopus
6	N.Prakash, R.Geetha, S.Ashwin, A. Yoganathan, P.Kalyanasundaram, P.Anitha," Enhancing Safety Prediction in Accident-prone Zones using Gradient Boosting Machines", Fourth International Conference on Smart Technologies, Communication and Robotics,2025		Scopus
7	Mr.A.Yoganathan, Mr.C.A.Kandasamy, Ms.A.Bakya, Ms.S.Aswni, Ms.K.R.Akshaya, Mr.P.Ajith, An Efficient and Secure Data Hiding Using Encoded Video Stream, New Enhanced Approach Pattern Behavior And Prediction Of Mining Mobile Web Services, Vol: 5, Issue:6, 2582-7421, June, 2024.		Scopus
8	C. A. Kandasamy, E. Haridharshini, N. Prakash, A. Yoganathan, P. Kalyanasundaram, P. Anitha, AI-Powered Medication Reminder and Tracker using Reinforcement Learning Algorithm, May, 2025.		Scopus
9	Mr. C. A.Kandasamy , Mr.C.Kirubakaran , Mr.S.Kavin , Ms.T.Karpaga Lakshmi, Mr. S. Kamesh, A Secure Access and Sharing of Data in Cloud with Time Condition Decryption, International Journal of Research Publication and Reviews, 2582-7421, June, 2024.		Scopus
10	Mr.C.A.Kandasamy , Ms.M.Mahila , Ms.P.Mahalakshmi , Ms.B.Kokila , Ms.S.Kiruthika , Ms.S. Krishna priya,"Interactive and Privacy-preserving for Online Biometric identity authentication for secure Environment", International Journal of Research Publication and Reviews, 2582-7421, June, 2024.		Scopus

11	A.Yoganathan, P.S.Periasamy ,C.Devipriya, P. Anitha,, Accurate identification of Leaf disease using Yolov4 algorithm, Accurate identification of Leaf disease using Yolov4 algorithm, Vol: 32, 1074-133X, April, 2025		Scopus
12	Mr.A.Yoganathan, Mr.C.A.Kandasamy, Ms.A.Bakya, Ms.S.Aswini, Ms.K.R.Akshaya, Mr.P.Ajith, An Efficient and Secure Data Hiding Using Encoded Video Stream, New Enhanced Approach Pattern Behavior And Prediction Of Mining Mobile Web Services, Vol: 5, Issue:6, 2582-7421, June, 2024.		Scopus
Books/Book Chapter (with ISBN only)			
1	Dr. P. Anitha et al., “Artificial Intelligence”		
2	Dr.J.K.Kanimozhi et al., “Internet and Web Technology”, ISBN 978-93-b674-932-7.		
3	Dr.E.Loganathan et al., “Data Structures and Problem Solving with C”, ISBN: 978-93-6126-733-8.		
Patents Published /Granted			
1	Dr.P.Anitha et al., “Biometric Encrypted portable Storage Device”, Published: 08.01.2025		
2	Dr.J.K.Kanimozhi et al., “Sensor Based Security Monitoring System”, Published: 11.12.2024.		

3	Dr.J.K.Kanimozhi et al., "Cognitive And Learning Education System Using IoT Device", Published: 23.02.2025.	
4	Mr.C.A.Kandasamy et al., "Image based Soil classification using Deep Learning", Published: 24-01-2025	

5. Funds & Consultancy

Name of the PI /Co PI	Dept	Title of the Project / Consultancy	Name of the Funding agency	Total Funds Granted / Received (INR in lakhs)
Thiran360AI, Bangalore	MCA	63 Students	Thiran360AI, Bangalore	6 lakes 30 thousands

6. MoU / Centre of Excellence

Name of the Organization / Industry	Name of the Dept	Date of MoU	Nature /outcome of MoU
Skill Development Learning Center (SDLC), Karur	MCA	28. 09. 2024	Project, Workshop, Seminar, Internship, Placement
Thiran360AI, Bangalore	MCA	28. 12. 2024	Project, Workshop, Seminar, Internship, Placement

7. 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	MCA	Seminar	Future career in IT-Super Intelligence	Mr. Navaneethan Gunasekaran, Founder & CEO CubeAI Solutions, Bangalore.	10.08.2024	102

2	MCA	Seminar	Innovative Ideas for Students	Dr. P.Anitha, Professor &HoD, Dept of MCA, KSR College of Engineering	24. 08. 2024	102
3	MCA	Seminar	Preparing for a career in Mobile and Web Development	Dr. TJB. Durgadevi, Senior Engineer Consultant, Verizon India, Chennai	24. 08. 2024	102
4	MCA	Seminar	Earning Unlimited – How to?	Mr. K.Karikolraj, Corporate Trainer, Former Consultant, The Government of Tamilnadu.	31. 08. 2024	102
5	MCA	Seminar	Full Stack Development	Mr. Bernard Arockiam, Technical Lead & Corporate Trainer, Skill Development Learning Center (SDLC),Karur.	21 09. 2024	102
6	MCA	Seminar	Transcendent 2K24	Dr. P.Anitha, Prof & Head, Department of Computer Applications, K.S.R. College of Engineering	19. 10. 2024	102
7	MCA	Seminar	Future proof your skills : The Tech Skills you need to Thrive	Dr. Javid Iqbal., Senior Lecturer, School of Engineering and Technology, Department of Computing and Information Systems, Sunway University, Malaysia.	25. 10. 2024	102
8	MCA	Symposium	International Level Technical Symposium (TECHRON'24)	Mr. S.Guhan, Junior Software Engineer, ZOH0 Technologies, Chennai	08. 11. 2024 & 09. 11. 2024	250

9	MCA	Workshop	IoT with Embedded System	Mr. S.Guhan, Junior Software Engineer, ZOH0 Technologies, Chennai	08. 11. 2024	102
10	MCA	Workshop	Inking of MoU	Mr. Gokulraja L P Founder & CEO, Thiran360AI, Bangalore	28. 12. 2024	102
11	MCA	Conference	International Conference on Emerging Issues in Computer Applications for Research Issues in Gen AI and Super Intelligence EICA – 2025	Ms. Barani Shaju Chapter Lead and Solution Manager, Bosch Global Software Technologies Private Limited, CHIL-SEZ Keeranatham Village, Coimbatore - 641035.	28.03.2025	150
12	MCA	Seminar	A Flagship Event (AIR Summit – 2025)	Ms. Tharani B V & Mr. Puneet V S Software Engineer Global Knowledge Technologies (P) Ltd., Bangalore	01.04.2025	63
13	MCA	Workshop	Yukti: Show case Your Innovation through the Business Plan Competition	Dr.G.Singaravel / Prof. & Head / IT / KSRCE Dr.P.Kalyanasundaram / ASP / IT / KSRCE	23 rd -24 th April 2025	63
14	MCA	FDP	5 Day International FDP on “Next – Generation Data Security with AI and Block Chain Fusion	National & International Level Resource Persons	19 th – 23 rd May 2025	120

8. 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. P. Anitha	MCA	Deep Learning for NLP and Computer Vision	10.07.2023	ExcelR
2	Dr. J. K. Kanimozhi	MCA	21 Days Master class on Jetson AI	22.11.2024 to 12.12.2024	Pantech e_Learning
3	Dr. J. K. Kanimozhi	MCA	IOT Integration with Embedded System	06.01.2025 to 11.01.2025	ATAL FDP (Atharva College of Engineering)
4	Dr. J. K. Kanimozhi	MCA	Navigating the Digital Landscape: Next-Gen Communication techniques for Teaching Pedagogy and Research Writing	20.01.2025 to 25.01.2025	ATAL FDP (Knowledge Institute of Technology)
5	Dr. J. K. Kanimozhi	MCA	Design for Test (DFT) Strategies in AI and Machine Learning SOC's	27.01.2025 to 01.02.2025	ATAL FDP (DMI Engineering College)
6	Dr. J. K. Kanimozhi	MCA	6 Days FDP International FDP on "Empowering Advancement in AI for Education, Healthcare	10.03.2025 to 15.03.2025	Hindusthan College of Engg., CBE
7	Dr. E. Loganathan	MCA	National Level Workshop on "Realtime IoT Projects with Raspberry PI"	22.03.2024	Kongu Engg. College, Perundurai
8	Dr. E. Loganathan	MCA	Online FDP on Artificial Intelligence (SwayamPlus)	17.03.2025 to 31.03.2025	AICTE
9	Dr. E. Loganathan	MCA	Quantum Neuromorphic Computing	02.12.2024 to 07.12.2024	ATAL FDP (M.Kumarasa my College Of Engineering)

10	Mrs. E. Nithyakala	MCA	Online FDP on Data Science (SwayamPlus)	17.03.2025 to 31.03.2025	AICTE
11	Mrs. E. Nithyakala	MCA	Intellectual Property UTSAV	21.04.2025 to 26.04.2025	AICTE

9. Certification courses by faculty & Students (NPTEL, Coursera, others)

S. No.	Name of the faculty	Department	Name of the course certified/ completed	Awards, if Any
1	Dr. P. Anitha	MCA	Python for Data Science	Completed
2	Dr. J. K. Kanimozhi	MCA	Introduction to Internet of Things	Elite + Silver
3			The Joy of Computing using Python	Completed

S. No.	Name of the Student	Dept	Year/ Sem	Name of the course certified/ completed	Awards, if Any
1	S. S. Rakshana	MCA	I / II	Python for Data Science	Completed

10. Extra Curricular/activities (Sports/Cultural) participated

S. No	Name of the student (s)	Dept	Year/ Sem	Name of the Events	State/ National / International	Organizing Institution / body	Date of Events	Award any
1.	G. Mathan	MCA	II / III	Athletics (400 MTRS)	District	The Chief Minister's Trophy	Sep' 2024	Silver Medal
2	G. Mathan	MCA	II / III	Athletics (800 MTRS)	District	The Chief Minister's Trophy	Sep' 2024	Silver Medal
3	G. Mathan	MCA	II / III	Athletics (800 MTS)	Zonal	Anna University Inter-Zonal Tournaments	12.11.2024 to 13.11.2024	2 nd Position

4	G. Mathan	MCA	II / III	Athletics (400 MTS)	Zonal	Anna University Inter-Zonal Tournaments	12.11.2024 to 13.11.2024	3 rd Position
5	G. Mathan	MCA	II / III	Athletics (4 X 400 MTS - Relay)	Zonal	Anna University Inter-Zonal Tournaments	12.11.2024 to 13.11.2024	1 st Position
6	S. Naveen	MCA	II / III	Weightlifting Championships	State	AVS Engg. College	25.08.2024	1 st Place
7	S. Naveen	MCA	II / III	Weightlifting Championships	Regional	The Chief Minister's Trophy	Sep' 2024	Silver Medal
8	S. Naveen	MCA	II / III	Weightlifting Championships	Zonal (Paavai Engg. College)	Anna University Inter-Zonal Tournaments	07.11.2024 to 08.11.2024	1 st Position
9	S. Naveen	MCA	II / III	Weightlifting Championships	State	AVS Engg. College	25.08.2024	1 st Place

11. Extension & Outreach program organized

S. No.	Dept	Name of the Coordinators	Name of the Events	No. of students participated	Date of Events
1	MCA	Mrs.E.Nithyakala	Campus Cleaning	59 (I Yr / II Sem MCA)	04.04.202
2	MCA	Mrs.E.Nithyakala	Go Green: Be the Change	59 (I Yr / II Sem MCA)	04.04.202