



KSR College of
Engineering

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PROGRAMMES
AN AUTONOMOUS INSTITUTION

Volume: II Issue: 1

DEC-2024

B.E. - COMPUTER SCIENCE & ENGINEERING (IoT)

NEWS LETTER

(Academic Year 2024-25)



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 develop skilled IoT professionals with expertise in intelligent connectivity and sustainable digital ecosystems

MISSION OF THE DEPARTMENT

1. Provide value-based and industry-aligned education in Computer Science and IoT through innovative pedagogy and modern technologies
2. Empower technical and problem-solving skills in the field of IoT through state of art laboratories
3. Promote interdisciplinary research and collaboration in emerging technologies for creating sustainable solutions.



K.S.R COLLEGE OF ENGINEERING (AUTONOMOUS)

Thiru. R. SRINIVASAN, B.B.M.

Chairman,

KSR Educational Institutions.



Message

As we stand on the brink of new beginnings and boundless possibilities, I am filled with an immense sense of pride and optimism about what we can achieve together at KSR Educational Institutions. Our founder, Dr. K. S. Rangasamy, laid a strong foundation rooted in the belief that education is the most powerful tool to transform lives. Carrying forward his legacy, we remain committed to not just educating but empowering young minds to make a meaningful impact in the world.

In today's fast-paced, technology-driven society, the challenges are as dynamic as the opportunities are great. It is imperative for education to transcend traditional learning and encompass the development of holistic, innovative, and critical thinking skills. At KSR, we strive to equip you, our students, with the capabilities to not only adapt to changes but to drive them. We are dedicated to nurturing a generation of leaders, innovators, and thinkers who are ready to take on global challenges with local sensibilities.

Making an Impact is not just a phrase—it's our mission. It's about inspiring each one of you to pursue your passions with determination and a sense of responsibility towards the betterment of society. We encourage you to dream big, push boundaries, and question the status quo. Our campus is a melting pot of ideas where your creativity and ambitions are nurtured, allowing you to flourish in ways you never imagined.

Warm regards,

R. Srinivasan, Chairman,

KSR Educational Institutions.



K.S.R COLLEGE OF ENGINEERING (AUTONOMOUS)

Dr. M. VENKATESAN, M.E., Ph.D.,
Dean - KSRCE



Message

As a Dean of KSRCE, I actively play my role to facilitate students to become best academicians, researchers and policy makers. I provide a diverse and inclusive work environment to my colleagues and drive them wherever necessary to play a role in getting utmost national and international agencies support Institution. A collaborative and integrated approach towards teaching, learning and research will be emphasized. I strongly believe that the KSRCE team will overcome the constraints facing to deliver the best Engineering services to the society and reach the desired goals.

With Regards,

Dr. M. Venkatesan

Dean - K.S.R College of Engineering.



K.S.R COLLEGE OF ENGINEERING (AUTONOMOUS)

DR. P. MEENAKSHI DEVI

Principal - KSRCE



Message

My heartiest welcome to all the young budding Engineers who have joined in "K.S.R. College of Engineering". With the help of highly qualified and dedicated staff members, we will be molding the students to the required shape which will make them employable. The composite unit of Students, Parents, and Society is our customer. The K.S.R. College of Engineering will strive hard to provide customer satisfaction. In our college, we give top priority to discipline. A series of tests and examinations will be conducted to achieve good performance in the university examinations. An effective Training and Placement (T&P) cell is formed to provide placement to all our students. Importance will be given to extra-curricular and co-curricular activities also.

Excellent infrastructure facilities and good learning atmosphere is an added advantage of this great Institute. I hope all the students admitted here will enjoy the four years of study. Let us all work hard to produce the most competent scientists, engineers, Entrepreneurs, Managers and researchers through Quality Education.

With Regards,

Dr. P. Meenakshi Devi

Principal-KSRCE



K.S.R COLLEGE OF ENGINEERING (AUTONOMOUS)

Dr .N. SARAVANAN, M.E., Ph.D.,

HoD / CSE (IoT)



Message

As a Head of Department of KSRCE CSE (IoT), I actively play my role to facilitate students to become best academicians, researchers and policy makers. I provide a diverse and inclusive work environment to my colleagues and drive them wherever necessary to play a role in getting utmost national and international agencies support Institution. A collaborative and integrated approach towards teaching, learning and research will be emphasized. I strongly believe that the KSRCE team will overcome the constraints facing to deliver the best Engineering services to the society and reach the desired goals.

With Regards,

Dr. N. SARAVANAN

HoD/ CSE (IoT)

DEPARTMENT ACTIVITIES

The Department of CSE (IoT) KSRCE inaugurated the Spring Fest & DIGITA association of Information Technology on 26th September 2024 in Platinum Hall. The function was inaugurated by Mr. Anand Babu, Manager, Design Thinker & Facilitator Chennai and gave the Motivation speech to all the students.



SPRINGFEST-2K24 -PROJECT EXPO



PAPER PRESENTATION



DUB IN HUB



TECH QUIZ

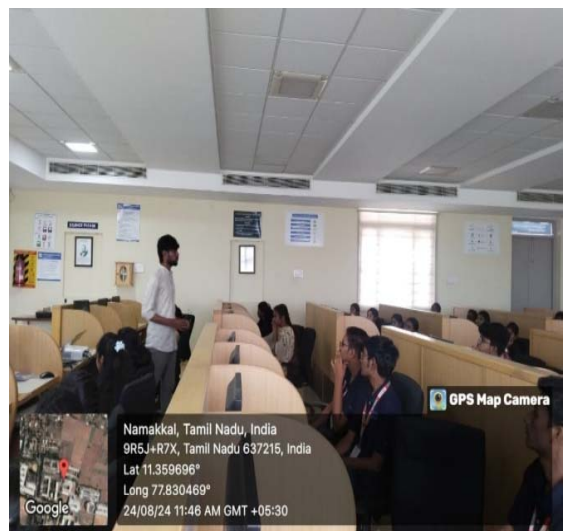
Workshop on "GitHub Workflow Mastery: Version Control to Automation"

The Department of CSE (IoT) at KSR College of Engineering successfully conducted a workshop on "GitHub Workflow Mastery: Version Control to Automation" at 27.07.2024. The event was inaugurated by esteemed guest Mr. N.C. Santhosh, Senior DevOps Engineer at Terrascope Private Ltd, Singapore. This workshop equipped students with hands-on experience in GitHub workflows, version control, and automation, enhancing their technical skills.



Seminar on Basics of Graphics Design

A seminar on "Basics of Graphics Design" was conducted on August 24, 2024, by Mr. K. Krithick Sanjay, Graphic Designer specializing in UI & UX. The session provided valuable insights and hands-on knowledge of graphics design principles and techniques.



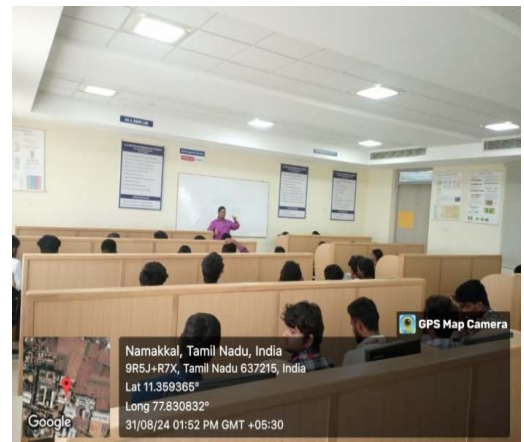
Seminar on "Career and Professional Development"

The Department of CSE (IoT) at KSR College of Engineering successfully conducted a seminar on **"Career and Professional Development"** on August 10, 2024. The session was expertly led by Ms. S. Nandhini, Technical Programmer at KSRIET, providing valuable insights and guidance to students on their career paths.



A seminar on "Basics of Web Technology and Frameworks".

A seminar on **"Basics of Web Technology and Frameworks"** was conducted on August 31, 2024, by Mr. A. Hariprakash, III Year IT student and Web Design Expert at KSRIET. The session provided valuable insights into web technologies and frameworks, benefiting students with practical knowledge.



Industrial visit to Chennai Rice, Perundurai.

First-year students of CSE (IoT) embarked on an industrial visit to Chennai Rice, Perundurai, on September 13, 2024. This visit provided valuable hands-on exposure and insights into industry operations.



Workshop on "UI & UX Design"

The Department of Computer Science and Engineering (IoT) at KSR College of Engineering organized a Workshop on "UI & UX Design" on September 28, 2024, at Sapphire Hall. The event was inaugurated by Mr. T. Kathirvel, UI and UX Designer at Ever Hub, Salem. In his inaugural address, Mr. Kathirvel delivered a motivational speech, inspiring IOT students with valuable insights and industry perspectives.



Seminar on "Future Trends in Cybersecurity"

A seminar on "Future Trends in Cybersecurity" was conducted by Mr. A.S.A. Kishnan, Advisor – Cyber Security at SBI Mutual Funds Ltd, New Delhi, on October 19, 2024. The session provided expert insights into emerging trends and best practices in cybersecurity.



The **CONNECT FEST** event featured an Intra Paper Presentation session, expertly coordinated by Mr. K. Muthukumaran and Mr. S. Gokul, Assistant Professors of IoT. Held on October 19, 2024, the event provided a platform for students to showcase their research and innovative ideas.



Seminar on "Role of Global Certification in IT Sector"

A seminar on **"Role of Global Certification in IT Sector"** was conducted on November 16, 2024, by Ms. J. Ananthi, Rapid Evaluator Analyst at Global Technologies, Coimbatore. The session highlighted the significance of global certifications in the IT industry and their impact on career advancement.



Seminar on "Challenges and How Ai Can Boost Cybersecurity"

A seminar on **"Challenges and How AI Can Boost Cybersecurity"** was conducted on November 26, 2024, by Assoc. Prof. Dr. Siti Hajar Othman from the Department of Computer Science, Faculty of Computing, University Technology Malaysia. The session explored the role of artificial intelligence in enhancing cybersecurity measures and addressing emerging challenges.



Industrial Training on "Generative AI".

Faculty members were attended Industrial training on "Generative AI". A Hands-on Approach to Large Language Models in IoT Sectors was conducted by Global Knowledge Technologies, Bangalore, from December 17-22, 2024. The session provided in-depth knowledge and practical experience in applying generative AI and large language models to IoT applications.






FACULTY PARTICIPATION

Faculty members from the CSE (IoT) actively participated in the following seminar, workshop, and various events organized at several Institution. Their involvement contributed significantly to the overall success and academic depth of the event.



Several faculty members attended the seminar/ workshops as **resource persons, session chairs, panellists, or participants**, engaging with the latest trends and research in Current trends. Their participation demonstrated a strong commitment to continuous learning, professional development, and the exchange of scholarly ideas.

S. No	Name of the Faculty	Title of the Program	Date	Organized By
1.	Mr. S. Jambu Kumar	Android Basics with Compose	25.06.2024 29.06.2024	ICT Academy
2.	Mrs. Dharanya	Artificial Intelligence	June 2024 (1 Month)	Skill Dzire in collaboration with AICTE
3.	Mrs. Dharanya	Recent Trends in Computing 4.0	08.07. 2024 TO 13.08.2024	Vishwakarma Institute of Technology, Pune
4.	Mr. P. Muthukumaran	“EV: Challenges and Opportunities”	22.07.2024 TO 26.07.2024	Govt College of Technology Coimbatore.
5.	Mrs. A. Latha	International Workshop on recent trends in Applied Mathematics for Engineering & Technology	05.08.2024 TO 08.08.2024	Dept of Maths, Amity University, Madhya Pradesh, Gwalior, India
6.	S. Gokul	Generative AI	17.12.2024 TO 22.12.2024	Global Knowledge Technologies, Bangalore
7.	S. Jambu Kumar	Generative AI	17.12.2024 TO 22.12.2024	Global Knowledge Technologies, Bangalore
8.	K. Shanmuga Priya	Generative AI	17.12.2024 TO 22.12.2024	Global Knowledge Technologies, Bangalore

Faculty Research Publications

S.NO	Publications Details	Photo
1.	P. Meenakshidevi,” Efficient Machine learning Models for the Accurate Prediction of Diabetes” 2024 International Conference on Science Technology Engineering and Management (ICSTEM), IEEE Publisher, ISSN 979-8-3503-7691-3.	
2.	N. Saravanan, Dharanya. C, “A Novel Approach to Predict the Defect Density in Software Application Using Linear Regression Algorithm”, 2024 International Conference on Science Technology Engineering and Management (ICSTEM), ISSN: 979-8-3503-7691-3, IEEE Publishers.	
3.	P. Kalyanasundaram, K. Shanmuga Priya, S. Kavinkumar, G. Gopinath and S. T. Kiruthigaa Bommi, "Image Vaccinator and Image Tamper Resilient and Lossless Auto-Recovery Using Invertible Neural Network," 2024 <i>International Conference on Science Technology Engineering and Management (ICSTEM)</i> , Coimbatore, India, 2024, pp. 1-8, doi:10.1109/ICSTEM61137.2024.10561029.	
4.	T. Nandhini, P. Meenakshidevi, Multi-Source and Multi-Powered Smart Grid Prediction Using Deep Learning, 2024 International Conference on Science Technology Engineering and Management, ISBN: 979-8-3503-7691-3, June 2024, IEEE Publishers.	
5.	Shanmuga Priya. K, Kalyanasundaram. P, Accurate Prediction and Detection of Adversarial Attack Through CAT Boost Library, 2024 International Conference on Science Technology Engineering and Management, June 2024, ISSN: 979-8-3503-7691-3, IEEE Publishers.	

6.	Kalyanasundaram Pand T. K, G. B, U. P, A. K, V. D , "Packet Loss Minimization and Enhanced Road Traffic Management using Improved Local Interconnect Network (ILIN) in VANET," <i>2024 Third International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE)</i> , Ballari, India, 2024, pp. 1-5, doi: 10.1109/ICDCECE60827.2024.10549020.	
7.	N. Saravanan, Mrs. C. Dharanya, Novel Energy Efficient Routing Protocol using Improved Fuzzy Logic based Effective Clustering (IFLEC), 3rd International Conference on Distributed Computing and Electrical Circuits and Electronics July 2024,	
8.	Saravanan N, Moheshkumar," Accurate Prediction and Detection of Suicidal Risk using Random Forest Algorithm", 2024 4th International Conference on Pervasive Computing and Social Networking (ICPCSN), July 2024, ISSN: 979-8-3503-8634-9, IEEE Publishers.	
9.	T. Nandhini, P. Kalyanasundaram, R. M. Vasanth, S. H. Raj and K. S. Keerthi, "Deep Learning Enabled Novel Blind Assistance System for Enhanced Accessibility," <i>2024 4th International Conference on Pervasive Computing and Social Networking (ICPCSN)</i> , Salem, India, 2024, pp. 153-158, doi: 10.1109/ICPCSN62568.2024.00034.	
10.	Saravanan N, Moheshkumar G, Revolutionizing Air Quality Prognostication: Fusion of Deep Learning and Density-Based Spatial Clustering of Applications with Noise for Enhanced Pollution Prediction, 2024 4th International Conference on Pervasive Computing and Social Networking, 2024(July), ISSN: 979-8-3503-8634-9, IEEE Publishers.	

11.	Saravanan N, Dharanya C, Face Recognition for Exam Hall Seating Arrangement Using Deep Learning Algorithm, 2024 4th International Conference on Pervasive Computing and Social Networking, ISSN: 979-8-3503-8634-9, IEEE Publishers	
12.	P. Kalyanasundaram, K. Eniyaval, P. Ravi, S. Gowtham and N. Dinesh Kumar, "Sign Up Wallet: A Blockchain based Personally Identifiable Information (PII) Masking using Lookup Substitution," 2024 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Chennai, India, 2024, pp. 1-5, doi: 10.1109/ACCAI61061.2024.10601779.	

STUDENTS PROFESSIONAL ACHIEVEMENTS

The students of our IoT have consistently demonstrated excellence beyond the classroom, achieving remarkable milestones in various professional and academic arenas. Their accomplishments are a testament to their hard work, talent, and the strong support system provided by the faculty and institution.

ACADEMIC TOPPERS

S. No	Name of the student (s)	Year	CGPA
1.	Kameshwaran K	I CSE (IOT)	9.17
2.	Thamizhan. J	II CSE (IOT)	9.0

STUDENTS SPORTS ACHIEVEMENTS

S. No	Name of the student (s)	Year	Name of the Events	State/ national /Inter national	Organiz ing Instituti on /body	Date of events	Awar d any
1.	Purushothaman V	I CSE (IOT)	Long Jump	State	Anna Universit y	12.11.24 To 13.11.24	III Place
2.	Purushothaman V	I CSE (IOT)	Athletic s	State	Anna Universit y	12.11.24 To 13.11.24	III Place

Editorial Board

Chief Editor: Dr. N. Saravanan, HOD /IOT

Mr. K. Muthukumaran, AP/ IOT

Faculty Members:

Mr. S. Gokul, AP / IoT

Mrs. A. Latha, AP/ Maths

Student's Members:

S. Lakshmanan, II / IoT

S. Pradeep, II / IoT

P. Kishore, I / IoT

S. Divya, I / IoT

