

KAMMAVARI SANGHAM(R) - 1952
K S GROUP OF INSTITUTIONS



K S INSTITUTE OF TECHNOLOGY

(Affiliated to VTU Belagavi, Approved by AICTE, New Delhi & Accredited by
NBA[CS,EC] NAAC[A+] & IEI)



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PRERANA INSPIRE TO INNOVATE

VOL.NO-11
2024 - 2025

STAFF CO-ORDINATORS :

MRS. V SANGEETHA
MRS. RAMYA K R

STUDENT CO-ORDINATORS:

MR. KUSHAL M
MR. P R PRAJWAL KUMAR
MS. LAVANYA C S
MS. APOORVA N GOWDA



K.S INSTITUTE OF TECHNOLOGY

VISION

“To impart quality technical education with ethical values, employable skills and research to achieve excellence ”.

MISSION

- To attract and retain highly qualified, experienced & committed faculty.
- To create relevant infrastructure.
- Network with industry & premier institutions to encourage emergence of new ideas by providing research & development facilities to strive for academic excellence.
- To inculcate the professional & ethical values among young students with employable skills & knowledge acquired to transform the society ”.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VISION

“To achieve excellence in academics and research in Electronics & Communication Engineering to meet societal need”.

MISSION

- To impart quality technical education with the relevant technologies to produce industry ready engineers with ethical values.
- To enrich experiential learning through active involvement in professional clubs & societies.
- To promote industry-institute collaborations for research & development.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

- PEO1: To Excel in professional career by acquiring domain knowledge.
- PEO2: To pursue higher Education and research by adopting technological innovations by continuous learning through professional bodies and clubs.
- PEO3: To inculcate effective communication skills, team work, ethics, entrepreneurship skills and leadership qualities.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

- PSO1: Graduate should be able to understand the fundamentals in the field of Electronics and Communication and apply the same to various areas like Signal processing, Embedded systems, Communication & Semiconductor technology.
- PSO2: Graduate will demonstrate the ability to design, develop solutions for Problems in Electronics and Communication Engineering using hardware and software tools with social concerns.

MANAGEMENT



SRI. R. RAJAGOPAL NAIDU
PRESIDENT.



SRI. R. LEELA SHANKAR RAO
HON. SECRETARY.



SRI. T. NEERAJAKSHULU
TRESURER.

"It's good to look backhand reflect on what we have achieved as a community and the very purpose of publishing a annual newsletter is to highlight the activities and developments of the department, achievements of the staff, students, alumni and events organized. Newsletter reflects upon the commendable contribution made by the faculty and students a like we congratulate editorial the team for bringing out the 11th edition of PRERANA" .

- MANAGEMENT



Dr. K V A BALAJI
Chief Executive Officer
K S Group Of Institute

It is with absolute admiration that I take note of the Department of Electronics and Communication at KSIT that is fully committed to hone certain qualities among the students who enter this department and leave its portals after four years of learning, training and development. The department has been very successful in creating an ambience for its students to transform themselves into professionals with an edge to adopt and perform. The department believes that students should have an overall development through experiential learning and thus promotes a host of Club activities. Professional bodies like IEEE and WIE are very active by providing a platform for various activities. Abundant opportunities are created for the students to learn beyond the prescribed syllabus. Students are always motivated to do projects, both minor and major, through which they bring out their learning into practice and vice versa. The wonderful efforts of staff and students are being showcased in this Newsletter -"PRERANA II". I am very glad to wish the committed staff and talented students of the department the very best in all their academic endeavours.



Dr. DILIP KUMAR K
PRINCIPAL / DIRECTOR

Dear Staff and Students,

I congratulate editorial team of Electronics and Communication Department on this wonderful occasion of releasing the Department Newsletter "PRERANA VOLUME - II ". This newsletter highlights the department achievements; events organized and participated by staff and students and 100% results. I am proud to say that our students are excelling in academics, sports and cultural activities. This participation and winning prove that our staff and students have brought laurels to KSIT and to the Department. I encourage the staff & students to become good leaders & to continue the excellent work in motivating others. My best wishes to the entire team.



Dr. P. N. SUDHA
PROF & HEAD, DEPT. OF ECE

I would like to congratulate and thank our department editorial team for their excellent effort in summarizing the talent, achievements and mile stones achieved by our staff and students through the departmental newsletter. KSIT ECE department not only concentrates on academic activities but also the overall personality development of students by organizing various activities like innovative & creative thinking by inducing leadership qualities. KSIT is one of the pioneer Institute in providing technical education with ethical values. Our department has dedicated teaching and supporting staff to help our students to excel in their learning and creative thinking. Our experienced and well learned faculties help use to empower a diverse community of students to nurture their capabilities, transform their lives and to excel through high quality teaching and learning. The department is accredited by NACC and NBA. We encourage our students to participate in curricular and extra-curricular activities to shape them as leaders of tomorrow and to be industry ready engineers to face competitive world. Our department believes in the quotes "Education is not learning of facts, but training of mind to think". We ignite passion towards learning in our students.

DEPARTMENT WELCOMES

MRS DIVYA D
ASSISTANT PROFESSOR

LATEST TECHNOLOGY

6G WIRELESS COMMUNICATION



6G, expected around 2030, will deliver speeds up to 1 terabit per second using terahertz frequencies, massive MIMO antennas, and AI-driven networks, enabling holographic calls, immersive AR/VR, autonomous systems, and real-time digital twins.

With latency below one millisecond, 6G ensures instant device response, creating a seamless environment where humans and machines interact intelligently and efficiently.

6G will integrate satellites, aerial platforms, and ground towers to extend reliable connectivity to remote villages, oceans, forests, and mountains—supporting national security, environmental monitoring, and global communication.

Countries including India, Japan, South Korea, and the U.S. are leading 6G research, with major 2026 events such as the EuCNC & 6G Summit, IEEE WCNC, and IET 6G & Future Networks Conference focusing on advanced wireless systems and space-terrestrial integration.

6G will play a crucial role in advancing intelligent robotics and autonomous transportation, enabling machines to operate with precision and real-time coordination.

The technology is expected to support real-time digital twins of cities and industries, allowing advanced monitoring, planning, and disaster management.

By combining terrestrial and space-based networks, 6G will strengthen global collaboration in research, national security, and environmental sustainability, ensuring connectivity even in the most remote regions.



With nations investing heavily in research and global conferences driving collaboration, 6G is set to become the backbone of future innovation and human-machine interaction.

As the world prepares for its arrival around 2030, 6G stands poised to redefine communication, making the impossible of today the reality of tomorrow.

EVENTS CONDUCTED



- The Department of Electronics and Communication organized two day industrial visit to Mahatma Gandhi Institute of Rural Energy & Development (MGIRED) by IETE, IEEE, ISTE, IEI for 4th semester students, to develop knowledge in rural energy, environment, biofuels, rainwater harvesting, and rural development on 15th & 16th July 2024.



- The Department of Electronics and Communication organized Youth Empowerment Program by KSIT, ICT Academy, Honeywell for 7th semester students, to equip participants with practical skills in building, customizing, and integrating applications on 3rd to 23rd September 2024.



- The Department of Electronics and Communication organized IBM Skill Build on Insights into AI and Machine Learning by IETE, IEEE, ISTE, IEI for 3rd semester students, to introduce basics of AI/ML, highlight real-world applications, and provide hands-on IBM tools experience on 13th September 2024.



- The Department of Electronics and Communication organized IEEE Membership Drive by IEEE for 1st year students, to motivate them to join IEEE and learn its usage on 20th September 2024.



- The Department of Electronics and Communication organized one day industrial visit to MGIRED by IETE, IEEE, ISTE, IEI for 5th semester students, to conduct industry-oriented technical training programs with employable skills on 26th September 2024.



- The Department of Electronics and Communication organized IEEE Day by IEEE for 1st semester students, to understand the importance of IEEE and involve in Bangalore section activities on 4th October 2024.



- The Department of Electronics and Communication organized Tech & Takeoff by Garut Aerobotics Club for 1st & 3rd semester students, to provide hands-on experience in aeronautics, robotics, and electronics on 25th & 26th October 2024.



- The Department of Electronics and Communication organized Importance of confidence building and goal setting by ISTE, IEEE for 3rd & 5th semester students, to cover confidence building, goal setting, time management, and gratitude on 26th October 2024.



- The Department of Electronics and Communication organized PCB design and its application by ISTE, IETE for 7th semester students, to learn PCB design using Altium and prepare for industry-level courses on 5th November 2024.



- The Department of Electronics and Communication organized Hardware Hackathon by IEEE for inter-college students, to analyze problems, work in teams, and approach challenges with new perspectives on 22nd November 2024.



- The Department of Electronics and Communication organized INOVACEEEA by IEEE for 1st, 3rd, 5th & 7th semester students, to develop entrepreneurial skills and teamwork on 23rd November 2024.



- The Department of Electronics and Communication organized Hackathon using Arduino by IEEE for 1st, 3rd, 5th & 7th semester students, to enhance problem-solving and teamwork skills on 23rd November 2024.



- The Department of Electronics and Communication organized Art of AI Prompting by KSIT ECE, KSRIF, IETE, ISTE, IEEE, IEI for ECE faculty, to understand ChatGPT usage in AI prompting and generate hypotheses on 14th December 2024.



- The Department of Electronics and Communication organized Introduction to PCB Basic Design Course by IEEE, ISTE, IETE, IEI, KSRIF for 7th semester students, to enhance technical skills in PCB design using Altium on 16th December 2024.



- The Department of Electronics and Communication organized Train the Trainer by IEEE, ISTE, IETE, IEI, KSRIF for faculty, to train them in PCB design tools for guiding academic projects on 27th–29th January 2025.



- The Department of Electronics and Communication organized Industry Driven Student Training Program on PCB Design by IEEE, ISTE, IETE, IEI, KSRIF for 7th semester students, to improve technical skills in PCB design using Altium on 17th February 2025.



- The Department of Electronics and Communication organized Master Class on Higher Education by IETE, ISTE, IEI, Antariksh Club for 6th semester students, to provide knowledge on admissions, scholarships, and networking opportunities on 19th February 2025.



- The Department of Electronics and Communication organized Training Program on IEEE & EBSCO Resources by IETE, IEEE, ISTE, IEI for 6th semester students, to impart importance of academic search tools and AMA microcourses on 22nd February 2025.



- The Department of Electronics and Communication organized PCB Basic Design using Altium 365 (FDP) by IEEE, ISTE, IETE, IEI, KSRIF for faculty, to gain in-depth understanding of PCB design on 27th February–1st March 2025.



- The Department of Electronics and Communication organized Women's Day by IEEE, WIE, SPS for 1st year students, to impart women empowerment on 8th March 2025.



- The Department of Electronics and Communication organized NISVAARTH 5K Marathon by IEEE, WIE, SPS for KSGI students, to promote fitness and social service awareness on 5th April 2025.



- The Department of Electronics and Communication organized INNOPRAPS2K25 by ISTE for 2nd & 4th semester students, to encourage communication, teamwork, leadership, and creativity on 12th April 2025.



- The Department of Electronics and Communication organized Real Time Exposure to Emerging Technologies by IETE, IEEE, ISTE, IEI for 6th semester students, to motivate learning of simulation tools and bridge curriculum gaps on 22nd April 2025.



- The Department of Electronics and Communication organized ELECTROHACK Hardware Hackathon by IEEE, ISTE, IETE, IEI, Garut Club, Anthariksha Club for inter-college participants, to improve analytical, logical, and problem-solving skills on 28th–29th April 2025.



- The Department of Electronics and Communication organized Project Exhibition 2025 by IEEE, ISTE, IETE, IEI, ECE Department for 8th semester students, to showcase innovation, communication, and tool usage skills on 6th May 2025.



- The Department of Electronics and Communication organized ICRIET International Conference by KSIT for internal & external participants, to foster interdisciplinary research and academia-industry collaboration on 9th–10th May 2025.



- The Department of Electronics and Communication organized MoU Signing with Altium by IEEE, ISTE, IETE, IEI, KSRIF for 6th semester students, to strengthen industry-academia collaboration on 15th May 2025.



- The Department of Electronics and Communication organized Mini Project Exhibition by KSIT-ECE Department for 4th semester students, to improve knowledge, innovation, and demonstration ability on 24th May 2025.



- The Department of Electronics and Communication organized Social Service for Disabled by IEEE-SB, SPS, WIE for IEEE Execom students, to spread awareness about social service and giving back to society on 26th May 2025.

FDP ATTENDED BY FACULTY

EVENTS ATTENDED BY FACULTY-TEACHING:

- Dr. P.N Sudha, Professor participated in 8 weeks Faculty Development Program on "Accreditation and Outcome Based Learning" organized by NPTEL from Aug–Oct 2024.
- Dr. P.N Sudha, Professor participated in 15 days Faculty Development Program on "Cyber Security" organized by SkillDzire from 17-03-2025 to 31-03-2025.
- Dr. Rekha N, Associate Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Dr. Dinesh Kumar D S, Associate Professor participated in 12 weeks Faculty Development Program on "Cloud Computing" organized by NPTEL from July–October 2024.
- Dr. Dinesh Kumar D S, Associate Professor participated in 5 days Faculty Development Program on "Antenna Modeling and Simulation using CST Studio Suite" organized by IETE and KSSEM, Bengaluru from 06-01-2025 to 10-01-2025.
- Dr. Dinesh Kumar D S, Associate Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Dr. Dinesh Kumar D S, Associate Professor participated in 12 weeks Faculty Development Program on "Computer Networks and Internet Protocol" organized by NPTEL from Jan–Apr 2025.
- Dr. Dinesh Kumar D S, Associate Professor participated in 6 days Faculty Development Program on "Intelligent VLSI: The Convergence of AI, Signal Processing and Computing" organized by SIMATS, Chennai from 07-04-2025 to 12-04-2025.
- Mr. B.R. Santosh Kumar, Associate Professor participated in 3 days Faculty Development Program on "PCB Design using ALTIUM 365" organized by KSIT, Bengaluru from 27-02-2025 to 01-03-2025.
- Dr. Devika B, Associate Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mrs. Ramya K R, Associate Professor participated in 5 days Faculty Development Program on "Future Ready Grids: Renewable Integration, Electric Vehicles and Sustainable Smart Technologies" organized by SR University, Telangana from 17-03-2025 to 21-03-2025.
- Mrs. Ramya K R, Associate Professor participated in 4 weeks Faculty Development Program on "Effective Engineering Teaching in Practice" organized by NPTEL from Jan–Feb 2025.
- Dr. Electa Alice Jayarani A, Associate Professor participated in 5 days Faculty Development Program on "Antenna Modeling and Simulation using CST Studio Suite" organized by IETE and KSSEM, Bengaluru from 06-01-2025 to 10-01-2025.
- Dr. Bharathi Gururaj, Associate Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.

- Mrs. Vishalini Divakar, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mrs. Sangeetha V, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mrs. Sangeetha V, Assistant Professor participated in 4 weeks Faculty Development Program on "Introduction to Probability and Statistics" organized by NPTEL from Jan–Feb 2025.
- Mrs. Pragati P, Assistant Professor participated in 3 days Faculty Development Program on "PCB Design using ALTIUM 365" organized by KSIT, Bengaluru from 27-02-2025 to 01-03-2025.
- Mr. Christo Jain, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Dr. Saleem S Tevaramani, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mr. Sathish Kumar B, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mr. Sathish Kumar B, Assistant Professor participated in 5 days Faculty Development Program on "5G and Beyond 5G: Platforms and Applications of Terrestrial and Non-Terrestrial Networks" organized by Nitte Meenakshi Institute of Technology, Bengaluru from 29-07-2024 to 02-08-2024.
- Mrs. Bhargavi Ananth, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mrs. Bhargavi Ananth, Assistant Professor participated in 4 weeks Faculty Development Program on "Introduction to Probability and Statistics" organized by NPTEL from Jan–Feb 2025.
- Mrs. Bhanumathi A, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mrs. Bhanumathi A, Assistant Professor participated in 3 days Faculty Development Program on "PCB Design using ALTIUM 365" organized by KSIT, Bengaluru from 27-02-2025 to 01-03-2025.
- Mrs. Bhanumathi A, Assistant Professor participated in 4 weeks Faculty Development Program on "Effective Engineering Teaching in Practice" organized by NPTEL from Jan–Feb 2025.
- Dr. Anita P, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.

- Mrs. Suma Santosh, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mr. Naveen Kumar S, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Mr. Naveen Kumar S, Assistant Professor participated in 1 month Faculty Development Program on "Embedded System" organized by SkillDzire issued on 04-10-2024.
- Mr. Naveen Kumar S, Assistant Professor participated in 15 days Faculty Development Program on "Deep Learning" organized by SkillDzire from 17-03-2025 to 31-03-2025.
- Mrs. Priyadharshini V, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.
- Ms. Preetha Kamath B, Assistant Professor participated in 6 days Faculty Development Program on "Deep Dive into AI: Latest Trends using Machine Learning and Deep Learning" organized by Reva University, Bengaluru from 13-01-2025 to 18-01-2025.
- Ms. Preetha Kamath B, Assistant Professor participated in 6 days Faculty Development Program on "FPGA Realization of Intelligent Controllers – An Industrial Perspective" organized by Nitte Meenakshi Institute of Technology, Bengaluru from 10-02-2025 to 15-02-2025.
- Mrs. Sapna Patil, Assistant Professor participated in 6 days Faculty Development Program on "Deep Learning and Gen AI Applications" organized by IIT Roorkee and B.N.M Institute of Technology, Bengaluru from 20-01-2025 to 25-01-2025.

FACULTY ACHIEVEMENTS

- Dr. P. N. Sudha served as an External Member of the Board of Examiners in Bengaluru on 19 April 2024 and also worked as a Reviewer for the 2nd IEEE International Conference on Networks, Multimedia and Information Technology held at Nitte Meenakshi Institute of Technology on 9–10 August 2024.
- Dr. Sangappa S. B was invited as the Guest of Honour for the ISTE Karnataka Section inauguration of the ISTE Chapter at NMIT, Bengaluru on 29 November 2024. He also served as a Member of the Board of Examiners for VTU at Belgaum on 2–3 December 2024 and was nominated to the Academic Council of East West Institute of Technology, Bengaluru on 22 October 2024.
- Dr. Rekha N served as a Reviewer for the 8th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS) held at RV College of Engineering from 7–9 November 2024. She also contributed to Question Paper Setting at New Horizon College of Engineering on 20 January 2024, at Jain University on 1 October 2024, and at RV College of Engineering on 30 December 2024.
- Dr. Dinesh Kumar D. S served as a Reviewer for the IACIS Conference at Navkis College of Engineering, Hassan on 23–24 August 2024 and for the 2nd IEEE International Conference on Networks, Multimedia and Information Technology at NMIT on 9–10 August 2024. He presented a research paper at the International Conference on Next-Gen Semiconductor Device and Smart Computing Applications at Cambridge Institute of Technology, Bengaluru on 20–21 December 2024. He contributed to Question Paper Setting for VTU on 7 October 2024 and for Dayananda Sagar College of Engineering on 30 November 2024. Additionally, he served as a Domain Expert and Research Advisory Committee Member at Cambridge Institute of Technology on 19 June 2024 and 7 August 2024, and as a Research Co-Supervisor at BMS Institute of Technology on 20 August 2024.
- Dr. Devika B participated as a Reviewer in the 2nd IEEE International Conference on Data Science and Network Security (ICDSNS 2024) held at Kalpataru Institute of Technology, Tiptur on 26–27 July 2024.
- Dr. Electa Alice Jayarani contributed to Question Paper Setting at BNM Institute of Technology, Bengaluru on 29 September 2024.
- Dr. Bharathi Gururaj contributed to Question Paper Setting at REVA University on 3 December 2024 and at Dayananda Sagar College of Engineering on 21 December 2024. She also served as a Reviewer at SSITCON 2024 at Sri Siddhartha Institute of Technology, Tumakuru on 18–19 October 2024, at ICRASET 2024 at BGSIT Mandya on 21–22 November 2024, and at ICIICS 2024 at Sharanabasava University, Kalaburagi on 22–23 November 2024.
- Ramya K. R contributed to on Question Paper Setting at BNM Institute of Technology, Bengaluru on 27 November 2024.

- Dr. Saleem S. Tevaramani contributed to Question Paper Setting at Nagarjuna College of Engineering and Technology on 19 December 2024 and at Sri Siddhartha Institute of Technology, Tumakuru on 10 December 2024. He also served as a Reviewer for SSITCON 2024 at SSIT Tumakuru on 18–19 October 2024, for ICRTAC 2024 at Vellore Institute of Technology on 14–15 November 2024, for ICMNWC 2024 at SSIT Tumakuru on 4–5 December 2024, for ICIICS 2024 at Sharanabasava University, Kalaburagi on 22–23 November 2024, for ICDSCNC 2024 at Sri Krishna Institute of Technology, Bengaluru on 20–21 September 2024, for the 2nd IEEE International Conference on Networks, Multimedia and Information Technology at NMIT on 9–10 August 2024, and for ICDSNS 2024 at Kalpataru Institute of Technology, Tiptur on 26–27 July 2024. Faculty Achievements 2024-25
- Preetha Kamath contributed to Question Paper Setting at Dayananda Sagar College of Engineering on 2 December 2024.

RESEARCH PUBLICATIONS

FACULTY PUBLICATIONS

BOOK CHAPTER PUBLICATIONS

- Dr. Bharathi Gururaj published "Embedded Hamming Scheme Implementation Using Single Bit Error Detection and Correction" in Advances in Transdisciplinary Engineering, Vol. 61, as part of the AMMCS 2024 Conference, Wuhan, China (17–18 August 2024). [ISBN: 978-1-64368-551-9]
- Dr. Electa Alice Jayarani A published "Machine Learning and Deep Learning Techniques for Pest and Disease Detection in Sustainable Agriculture: A Study" in Algorithms for Intelligent Systems, Springer, Singapore (ICICDS-2024) [ISBN: 978-981-97-5790-9]

INTERNATIONAL JOURNAL PUBLICATIONS

- Dr. P. N. Sudha published "Sustainable Energy Harvesting System for Low-Power Underwater Sensing Devices" in the Indonesian Journal of Electrical Engineering and Computer Science, Vol. 35, No. 3, September 2024 [ISSN: 2502-4752]
- Dr. P. N. Sudha published "Adaptive Channel Coding to Enhance the Performance in Rayleigh Channel" in IJACSA (International Journal of Advanced Computer Science and Applications), Vol. 15, No. 6, 2024 [ISSN: 2156-5570]
- Dr. Electa Alice Jayarani A published "Compressive Sensing Based Compression Algorithm for the Audio Signal" in the Journal of Information Hiding and Multimedia Signal Processing, Vol. 16, No. 1 (March 2025) [ISSN: 2073-4212]
- Dr. Electa Alice Jayarani A published "Machine Learning and Deep Learning Analysis of Vehicle Carbon Footprint" in the International Journal of Environmental Impacts, Vol. 7, No. 2 (June 2024) [ISSN: 2398-2640]

INTERNATIONAL CONFERENCE PUBLICATIONS

- Dr. Dinesh Kumar D S presented "Design and Implementation of a Wireless Mobile Computing Platform for Fall Detection" at the International Conference on Next-Gen Semiconductor Device and Smart Computing Applications (ICNGSDSCA-24), Bengaluru (20–21 December 2024).
- Dr. Electa Alice Jayarani A, Mrs. Sangeetha V, Mrs. Bhargavi Ananth, They presented "Fibonacci Based Security Algorithm for ECG Signal" at the 5th International Conference on Computer Vision and Robotics (CVR 2025), NIT Goa (25–26 April 2025).
- Dr. Electa Alice Jayarani A presented "Assessing Social Media's Impact on Mental Health: A Gaussian Naïve Bayes Approach" at the ICTACS 2024 Conference, Tashkent, Uzbekistan. [IEEE Xplore]

PLACEMENT DETAILS

LIST OF PLACED STUDENTS FOR THE YEAR 2024-2025

Sl. No	University Serial Number	Name of the Student	Name of the Employer
1	IKS2IEC008	Anagha Prakash	MPHASIS
2	IKS2IEC009	Anirudha R.Bhat	MPHASIS
3	IKS2IEC017	BS Bhargav	MPHASIS
4	IKS2IEC026	DeekshaH K	MPHASIS
5	IKS2IEC029	Gagana Sindhu	MPHASIS
6	IKS2IEC038	KomalaN	MPHASIS
7	IKS2IEC040	KUSUMA MS	!LATTICE
8	IKS2IEC066	PRATHAM R SHANBHAG	MATHCO

9	IKS2IEC069	PREKSHA S	PLANETSPARK
10	IKS2IEC002	ABIJITHR	VIPROV TECHNOLOGY
11	IKS2IEC077	RITHIKAM	SOLAR EDGE
12	IKS2IEC100	SUNHA.S	SOLAR EDGE
13	IKS2IEC027	DEEPIKA D	SOLAR EDGE
14	IKS2IEC037	KEERTHANAS	SOLAR EDGE, KALVIUM
15	IKS2IEC055	NAYANAJ	SOLAR EDGE, HUDL
16	IKS2IEC072	RAKSHITH.S	SOLAR EDGE
17	IKS2IEC021	CHINTAND S	SOLAR EDGE
18	IKS2IEC116	VIDYARAWALD	SOLAR EDGE

19	IKS2IEC093	SINDHU M NIMBAL	SOLAR EDGE
20	IKS2IEC051	NANDANK	SOLAR EDGE
21	IKS2IECI15	VIDYAI	INFOSYS
22	IKS2IEC047	MISAM	KALVIUM, ACADEMOR, 247 A I
23	IKS2IEC075	REHAMAN SHARIFF	KALVIUM, ACADEMOR, 247 A I
24	IKS2IEC046	MEGHANAN	LUMOS LEARNING
25	IKS2IEC097	SRIPRIYAH G	UST GLOBAL
26	IKS2IEC014	ASHWIN SR	ACADEMOR
27	IKS2IEC042	LOHIT S HOOLAGERI	ACADEMOR
28	IKS2IEC045	MANOJTY	ACADEMOR
29	IKS2IEC048	MITHUNC	ACADEMOR
30	IKS2IEC049	MONISHAD	ACADEMOR

31	IKS2IEC065	PRAJWALR	ACADEMOR
32	IKS2IEC076	RITESH KUMAR SINHA	ACADEMOR
33	IKS2IEC084	SANJANA V	ACADEMOR
34	IKS2IEC086	SANJAYN	ACADEMOR
35	IKS2IEC088	SATHYAM KUMAR MANDAL S	ACADEMOR, TRASCCON
36	IKS2IEC090	SHASHANKC U	ACADEMOR
37	IKS2IEC091	SHREY AS RAGHAVENDR A V	ACADEMOR, HUDL
38	IKS2IEC096	SRILAKSHMI G	ACADEMOR
39	IKS2IECI07	TH.E.JAS H V	ACADEMOR
40	IKS2IECI10	VAISHNAVI BA	ACADEMOR
41	IKS2IECI12	VARSHA S DAVASKAR	ACADEMOR
42	IKS2IECI13	VARSHITH	ACADEMOR
43	IKS22EC402	B.SREEPAD REDDI	ACADEMOR
44	IKS2IECO18	BHAVYAK	TRASCCON

45	IKS2IEC001	AADHYABN	TRASCCON
46	IKS2IECI21	YASHWANTHM	TRASCCON
47	IKS22EC41 I	SUDEEP P	TRASCCON,HUDL
48	IKS2IECI20	VYSHAKGR	TRASCCON
49	IKS2IECI17	VIDYASHREE	247 AI
50	IKS2IEC062	PRAJWAL D	247 AI, HUDL
51	IKS2IEC089	SHAIK ARFATH	HUDL
52	IKS2IEC020	BINDUSHREE	HUDL
53	IKS2IEC019	BHUVANA	HUDL
54	IKS22EC404	SHRUJANA G	HUDL
55	IKS2IEC082	SAI RAHUL	HUDL
56	IKS2IEC078	HARI DHANUSH	HUDL
57	IKS2IEC015	BN JEEVAN	HUDL

STUDENTS ACHIEVEMENTS

- Archana S K participated in SPARK 2K24, Mini Project Exhibition at DSATM, Bangalore on 19 July 2024.
- Adithya S participated in SPARK 2K24, Mini Project Exhibition at DSATM, Bangalore on 19 July 2024.
- Varsha Jayakumar participated in SPARK 2K24, Mini Project Exhibition at DSATM, Bangalore on 19 July 2024.
- Varsha Jayakumar participated in Hack2Help 2.0 (24-hour hackathon) at BTI held on 9–10 August 2024.
- Sharath S participated in Hack2Help 2.0 (24-hour hackathon) at BTI held on 9–10 August 2024.
- Abishek H R participated in Hackathon at Sambhram Institute on 21 September 2024.
- Sashank C participated in Hackathon at Sambhram Institute on 21 September 2024.
- Somasekar M participated in Hackathon at Sambhram Institute on 21 September 2024.
- Deeksha S N participated in Hackathon at Sambhram Institute on 21 September 2024.
- Aishwarya R participated in Hack2Help 2.0 (24-hour hackathon) at BTI held on 9–10 August 2024.
- Rachana H R participated in Hack2Help 2.0 at BTI on 9–10 August 2024.
- Shrestha A Hegde participated in Hack2Help 2.0 at BTI on 9–10 August 2024.
- Rakshitha K participated in Hack2Help 2.0 at BTI on 9–10 August 2024.
- Shivani S R participated in Hack2Help 2.0 at BTI on 9–10 August 2024.
- Pratheeksha J D participated in Hack2Help 2.0 at BTI on 9–10 August 2024.
- Spandana B participated in Hack2Help 2.0 at BTI on 9–10 August 2024.
- Revathi B V participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Lakshmi Bhatt participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Anusha participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Shalini K participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Sindhu S participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Aishwarya S participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Harshitha V participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Keerthana G participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Spandana B participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Ashwitha S participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Niveditha participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- Madhushree R participated in VTU Youth Festival at NIE Mysore from 5–7 November 2024.
- N Naga Omkar participated in Paper Presentation at Global Academy on 23 November 2024.
- Rishitha participated in Paper Presentation at Global Academy on 23 November 2024.
- Prajna B participated in Paper Presentation at Global Academy on 23 November 2024.
- Chetana A participated in Paper Presentation at Global Academy on 23 November 2024.

- Archana S K participated in Paper Presentation at Global Academy on 23 November 2024.
- Dhatri Gowda participated in Paper Presentation at Global Academy on 23 November 2024.
- Disha D participated in Paper Presentation at Global Academy on 23 November 2024.
- Niveditha S participated in Paper Presentation at Global Academy on 23 November 2024.
- Shivaraj Gowda participated in Paper Presentation at Global Academy on 23 November 2024.
- Praveen Raj participated in Paper Presentation at Global Academy on 23 November 2024.
- Varsha Jayakumar participated in Paper Presentation at Global Academy on 23 November 2024.
- Spandana B participated in Paper Presentation at Global Academy on 23 November 2024.
- Sanika participated in Paper Presentation at Global Academy on 23 November 2024.
- Chirag D participated in Poster Presentation at SJCE Mysore on 18 December 2024.
- Anush R participated in Poster Presentation at SJCE Mysore on 18 December 2024.
- Megharaj C M secured First Prize in Project Exhibition at DSATM on 29 January 2025.
- Shashank C secured First Prize in Project Exhibition at DSATM on 29 January 2025.
- Mohammed Taha secured First Prize in Project Exhibition at DSATM on 29 January 2025.
- Prajwal P secured First Prize in Project Exhibition at DSATM on 29 January 2025.
- Sanjay G participated in ISTE Event on 28 March 2025.
- Lavanya C S participated in Codsoft Virtual Intership on 14th June 2025.

STUDENTS PUBLICATIONS

1. Sumukh P, Tarun M, Vidya Rawal D, Vidya I published the paper titled "Voice Controlled Car Automation" under the guidance of Mrs. Vishalini Divakar in International Advanced Research Journal in Science, Engineering and Technology July 2024.
2. Punith M, Sanjay N, Shashank C U, Varsha S, Davaskar published the paper titled "LPG Gas Leakage Detection and Monitoring System" under the guidance of Mr. Christo Jain in International Advanced Research Journal in Science, Engineering and Technology July 2024.
3. Anagha Prakash, Anirudha R Bhat published the paper titled "Harnessing Piezoelectric Energy in Shoe-Embedded Sensors for Charging Mobile" under the guidance of Mrs. Vishalini Divakar in International Advanced Research Journal in Science, Engineering and Technology July 2024.
4. Veeresh K N, Sathyam Kumar Mandal S, Shreyas Raghavendra V, Prajwal H S published the paper titled "Audio Transfer using Li-Fi Technology" under the guidance of Mrs. Suma Santhosh in Journal of Emerging Technologies and Innovative Research July 2024.
5. Prajwal R, Pratham R Shanbhag, Preksha S, Sanjana V published the paper titled "IoT Based Smart Agriculture Protection and Monitoring" under the guidance of Dr. Saleem S Tevaramani in International Advanced Research Journal in Science, Engineering and Technology July 2024.
6. Akshay M S, Lohit S H, Lohith B, Manoj T V published the paper titled "Smart Medicine Box" under the guidance of Dr. Rekha N in International Advanced Research Journal in Science, Engineering and Technology July 2024.
7. Samhitha Prakash, Soundarya S, Tejashree N, Sowmya A M published the paper titled "FFT Audio Spectrum with Bird Recognition" under the guidance of Dr. Devika B in International Advanced Research Journal in Science, Engineering and Technology July 2024.
8. Adithya D, Pavan Gowda H P, Apoorva B, Hema K published the paper titled "Smart Library System" under the guidance of Mrs. Bhargavi Ananth in International Advanced Research Journal in Science, Engineering and Technology July 2024.
9. Gurushankara M, Kusuma M S, Polluru Manjunath published the paper titled "The Smart Parking System" under the guidance of faculty (not listed) in International Advanced Research Journal in Science, Engineering and Technology July 2024.
10. S Shajith Ali, Vyshak G R, Yashwanth M, Prajwal Patil B S published the paper titled "GPS Tracking with Registered Mobile Number" under the guidance of Mr. Santosh Kumar in International Advanced Research Journal in Science, Engineering and Technology July 2024.

11. Bhavya K, Chaitra Sreepadareddi B, Sudeep published the paper titled "Exam Hall Allotment and Seating Arrangement" under the guidance of Mrs. Kavya B.N in International Advanced Research Journal in Science, Engineering and Technology July 2024.
12. Shwetha V, Thusar Cherian, Prayag Singh, Varshith S published the paper titled "RISC-V Microarchitecture Design on FPGA" under the guidance of Mr. Praveen A in International Advanced Research Journal in Science, Engineering and Technology July 2024.
13. Prajwal D, Raghavendra N.P, Sai Rahul N, Uday Kumar S.R published the paper titled "Dual Axis Solar Tracker" under the guidance of Dr. Anita P in International Advanced Research Journal in Science, Engineering and Technology July 2024.
14. Akshay C, Archana G.M, Ashcharya N B, Harina L published the paper titled "Implementation of Traditional Fan" under the guidance of Dr. B. Sudarshan in International Advanced Research Journal in Science, Engineering and Technology July 2024.
15. Komal N, Kushal Gowda U, Lohith S published the paper titled "Coin-Based Mobile Charging System" under the guidance of Dr. Saleem S Tevaramani in International Advanced Research Journal in Science, Engineering and Technology July 2024.
16. Damini S, Daggupati Charitha, Gonuguntla Shrujana, Mutthluru Sai Himaja published the paper titled "Clean Sweep Bot" under the guidance of Mr. Electa Alice Jayarani in International Advanced Research Journal in Science, Engineering and Technology July 2024.
17. Shriya R.J, Preetham M, Ritesh Kumar S, Vijay Yadav R published the paper titled "Fingerprint Based Door Lock System Using Arduino" under the guidance of Mr. Nveen Kumar S in International Advanced Research Journal in Science, Engineering and Technology July 2024.
18. Abhijith R, Karan S, Shaik Arfath, Spoorthy M.U published the paper titled "Car-Smart Cockpit" under the guidance of Dr. P.N Sudha in International Advanced Research Journal in Science, Engineering and Technology July 2024.
19. Surabhi K.R, Suneha S, Rakshitha M.R, Suneetha published the paper titled "Electronic Voting Machine Using Fingerprint" under the guidance of Mrs. Ramya K.R in International Advanced Research Journal in Science, Engineering and Technology July 2024.
20. Srilakshmi G, Vaishnavi B.A, Sindu M Nimbale, Sangeetha H.M published the paper titled "Smart Cart Robot" under the guidance of Mrs. Ramya K.R in International Advanced Research Journal in Science, Engineering and Technology July 2024.
21. Keerthana S, Ashwini S.R, Abhishek H.C, Meghana N published the paper titled "Home Automation" under the guidance of faculty (not listed) in International Advanced Research Journal in Science, Engineering and Technology July 2024.

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40. Abhishek H.C, Aadhya B.N, Bindushree S, Likhith L published the paper titled "Voice Controlled Air Purifier" under the guidance of Dr. Rekha N in International Advanced Research Journal in Science, Engineering and Technology December 2024.

41. Sumukh P, Tarun M, Vidya I, Vidya Rawal D published the paper titled "A Survey on Green Power Generation" under the guidance of Mr. Bhanumathi A in International Advanced Research Journal in Science, Engineering and Technology December 2024.

42. Mishba M, Monisha D, Pooja R published the paper titled "Environment Scanning and Navigation of Fields with Real-Time Data Transmission Drone for Agriculture" under the guidance of Dr. Dinesh Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

43. Satyam Kumar Mandal, Shreyas Raghavendra V, Prajwal H S, Raghavendra Pujar published the paper titled "Autonomous Enemy Detection and Real-Time Surveillance Rover for Defence" under the guidance of Dr. Dinesh Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.
44. Archana M, Bhavya K, Deepika D, Prajwal D published the paper titled "Literature Survey on Oil Skimmer" under the guidance of Mrs. Sangeetha V in International Advanced Research Journal in Science, Engineering and Technology December 2024.
45. Neha, Monika H N, Nisarga M N, Hema published the paper titled "Automation Rain Sensing Car Wiper" under the guidance of Mrs. Ramya K.R in International Advanced Research Journal in Science, Engineering and Technology December 2024.
46. Preetham M, Shriya R.J, Ritesh Kumar, Vijay Yadav published the paper titled "Literature Survey on Next Gen Wireless Charging: Advanced Technology for EV Power Transfer" under the guidance of Mrs. Priyadrshini Vairamaniam in International Advanced Research Journal in Science, Engineering and Technology December 2024.
47. Gurushankara M, Anagha Prakash, Anirudha R Bhat published the paper titled "Neuro-Driven Speech Synthesis for Paralysis" under the guidance of Dr. Bharathi Gururaj in International Advanced Research Journal in Science, Engineering and Technology December 2024.
48. Daggupati Charitha, Gonuguntla Shrujana, M Sai Himaja published the paper titled "Advanced Water Quality Monitoring System for Environment Conservation" under the guidance of Dr. Bharathi Gururaj in International Advanced Research Journal in Science, Engineering and Technology December 2024.
49. Akshay C, Archana G M, Ascharya N M, Harini L published the paper titled "Literature Survey on Design and Implementation of Border Surveillance Bot" under the guidance of Mr. B R Santhosh Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.
50. Abinay C, Harika G, Deepa Sree M, Sushmitha published the paper titled "Voice Controlled Mobility Chair" under the guidance of Dr. Devika B in International Advanced Research Journal in Science, Engineering and Technology December 2024.
51. Varun, Varun Rayapati, Vijay Kumar, Vivek Raj published the paper titled "Surveillance Robot Using ESP-32CAM" under the guidance of Dr. Saleem S Tevaramani in International Advanced Research Journal in Science, Engineering and Technology December 2024.
52. Ankitha P Budni, Boomika D, Darshan Gowda M K, Gagan V S published the paper titled "Wireless Notice Board Using GSM Module" under the guidance of Mr. B R Santhosh Kumar in Journal of Emerging Technologies and Innovative Research December 2024.

53. Puneeth M, Sindhu M Nimbale, Uday Kumar S R, Varsha Jayakumar published the paper titled "Literature Survey on Automated Barcode-Based Warehouse Sorting System" under the guidance of Mr. B R Santhosh Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

54. Raghu H M, Srujan Karanth, Vardhan Gowda K N, Vikas K S published the paper titled "Automatic Regulation and Control of Fan and Smart Curtain" under the guidance of Mrs. Preetha K B in International Advanced Research Journal in Science, Engineering and Technology

55. Meghana S R, Monisha B N, Swathi S published the paper titled "Mobile Charging Using Coin Insertion" under the guidance of Mrs. Vishalini Divakar in Journal of Emerging Technologies and Innovative Research December 2024.

56. Rohith M, Pranav, Rajath, Chethan B L, Bhavan M published the paper titled "Light Fidelity Wireless Communication" under the guidance of Mrs. Shubha Kulkarni in Journal of Emerging Technologies and Innovative Research December 2024.

57. Archana S K, Adithya S, Ashwini P published the paper titled "Water Cleaning RC Boat" under the guidance of Mrs. Ramya K.R in International Advanced Research Journal in Science, Engineering and Technology December 2024.

58. Prajwal P, Megharaj C M, Shashank C published the paper titled "Neuroglove: The AI Driven Revolution in Hand Interaction" under the guidance of Mrs. Sapna Patil in International Advanced Research Journal in Science, Engineering and Technology December 2024.

59. Mohammed Taha, Kiran G, Lohith Yadav R, Manoj Kumar N published the paper titled "4-in-1 Multipurpose Robot" under the guidance of Dr. Bharathi Gururaj in Journal of Emerging Technologies and Innovative Research December 2024.

60. Ankith Prakash, Ashok, Avinash, Mallikarjun published the paper titled "AC Dust Detection Filter" under the guidance of Mrs. Suma Santhosh in International Journal of Advanced Research in Computer Communication Engineering December 2024.

61. Rakshitha M B, Rohith D, Yadav, Sinchana S S, Sidharth Sharma published the paper titled "Water Quality Monitoring Using IoT and AI" under the guidance of Dr. Electa Alice Jayarani A in Journal of Emerging Technologies and Innovative Research December 2024.

62. Sachin B, Vishwanath V, Srujan H G, Vivek M S published the paper titled "Color Sorting and Line Following Robot" under the guidance of Dr. P.N Sudha in International Advanced Research Journal in Science, Engineering and Technology December 2024.

63. Shalini S, Sahana T B, Sunita S S, Vidyashree H published the paper titled "RFID-Based Smart Billing Trolley" under the guidance of Mr. Naveen Kumar in International Advanced

Research Journal in Science, Engineering and Technology December 2024.

64. Anupriya T, Deeksha T S, Gehena B S, Inchara C published the paper titled "RF Controlled Robot for Human Detection" under the guidance of Dr. Anita P in Journal of Emerging Technologies and Innovative Research December 2024.

65. Adith P, Akash S, Harish M V published the paper titled "Morse Code Decoder Using Arduino" under the guidance of Dr. Saleem S Tevaramani in International Journal of Advanced Research in Computer Communication Engineering December 2024.

66. Abhijith R, Omkar N, Bhuarkar, Spoorthy M U, Karan S published the paper titled "Literature Survey on IoT Surveillance for Real-Time Distress and Fire Detection" under the guidance of Dr. P.N Sudha in International Advanced Research Journal in Science, Engineering and Technology December 2024.

67. Mithun C, Chintan D S, B S Bhargav published the paper titled "Literature Survey on Technology Used in Design of Amphibious Hovercraft" under the guidance of Dr. P.N Sudha in International Advanced Research Journal in Science, Engineering and Technology December 2024.

68. Akshay M S, Lohith S H, Lohith B, Manoj T V published the paper titled "Automated Crime Detection and Alert System via Embedded Deep Learning" under the guidance of Dr. Devika B in International Advanced Research Journal in Science, Engineering and Technology December 2024.

69. Deeksha H K, Naveen S K, Vivek Nandan K published the paper titled "Review on Automated Grass Cutter with Pesticide Sprayer" under the guidance of Mrs. Vishalini Divakar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

70. B Sreepadareddi, Chaitra N, Hema K, Sudeep P published the paper titled "Literature Survey on Paper Detection and Exam Hall Allotment Using GSM" under the guidance of Mr. Christo Jain in International Advanced Research Journal in Science, Engineering and Technology December 2024.

71. Apoorva B, Prajwal Patil, Pavan Gowda H P, Sowmya A M published the paper titled "Literature Survey on Autonomous UV Sanitization Robot" under the guidance of Mrs. Pragati P in International Advanced Research Journal in Science, Engineering and Technology December 2024.

72. Komala N, Kushal Gowda U, Lohith S, Sai Rahul N published the paper titled "Walking Watts: Foot-Step Based Electricity Generator" under the guidance of Dr. Saleem S Tevaramani in International Advanced Research Journal in Science, Engineering and Technology December 2024.

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103. Abhishek H.C, Aadhya B.N, Bindushree S, Likhith L published the paper titled "Voice Controlled Air Purifier" under the guidance of Dr. Rekha N in International Advanced Research Journal in Science, Engineering and Technology December 2024.

104. Sumukh P, Tarun M, Vidya I, Vidya Rawal D published the paper titled "A Survey on Green Power Generation" under the guidance of Mr. Bhanumathi A in International Advanced Research Journal in Science, Engineering and Technology December 2024.

105. Mishba M, Monisha D, Pooja R published the paper titled "Environment Scanning and Navigation of Fields with Real-Time Data Transmission Drone for Agriculture" under the guidance of Dr. Dinesh Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

106. Satyam Kumar Mandal, Shreyas Raghavendra V, Prajwal H S, Raghavendra Pujar published the paper titled "Autonomous Enemy Detection and Real-Time Surveillance Rover for Defence" under the guidance of Dr. Dinesh Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

107. Archana M, Bhavya K, Deepika D, Prajwal D published the paper titled "Literature Survey on Oil Skimmer" under the guidance of Mrs. Sangeetha V in International Advanced Research Journal in Science, Engineering and Technology December 2024.

108. Neha, Monika H N, Nisarga M N, Hema published the paper titled "Automation Rain Sensing Car Wiper" under the guidance of Mrs. Ramya K.R in International Advanced Research Journal in Science, Engineering and Technology December 2024.

109. Preetham M, Shriya R.J, Ritesh Kumar, Vijay Yadav published the paper titled "Literature Survey on Next Gen Wireless Charging: Advanced Technology for EV Power Transfer" under the guidance of Mrs. Priyadrshini Vairamaniam in International Advanced Research Journal in Science, Engineering and Technology December 2024.

110. Gurushankara M, Anagha Prakash, Anirudha R Bhat published the paper titled "Neuro-Driven Speech Synthesis for Paralysis" under the guidance of Dr. Bharathi Gururaj in International Advanced Research Journal in Science, Engineering and Technology December 2024.

111. Daggupati Charitha, Gonuguntla Shrujana, M Sai Himaja published the paper titled "Advanced Water Quality Monitoring System for Environment Conservation" under the guidance of Dr. Bharathi Gururaj in International Advanced Research Journal in Science, Engineering and Technology December 2024.

112. Akshay C, Archana G M, Ascharya N M, Harini L published the paper titled "Literature Survey on Design and Implementation of Border Surveillance Bot" under the guidance of Mr. B R Santhosh Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

113. Abinay C, Harika G, Deepa Sree M, Sushmitha published the paper titled "Voice Controlled Mobility Chair" under the guidance of Dr. Devika B in International Advanced Research Journal in Science, Engineering and Technology December 2024.

114. Varun, Varun Rayapati, Vijay Kumar, Vivek Raj published the paper titled "Surveillance Robot Using ESP-32CAM" under the guidance of Dr. Saleem S Tevaramani in International Advanced Research Journal in Science, Engineering and Technology December 2024.

115. Ankitha P Budni, Boomika D, Darshan Gowda M K, Gagan V S published the paper titled "Wireless Notice Board Using GSM Module" under the guidance of Mr. B R Santhosh Kumar in Journal of Emerging Technologies and Innovative Research December 2024.

116. Puneeth M, Sindhu M Nimbale, Uday Kumar S R, Varsha Jayakumar published the paper titled "Literature Survey on Automated Barcode-Based Warehouse Sorting System" under the guidance of Mr. B R Santhosh Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

117. Raghu H M, Srujan Karanth, Vardhan Gowda K N, Vikas K S published the paper titled "Automatic Regulation and Control of Fan and Smart Curtain" under the guidance of Mrs. Preetha K B in International Advanced Research Journal in Science, Engineering and Technology December 2024.

118. Meghana S R, Monisha B N, Swathi S published the paper titled "Mobile Charging Using Coin Insertion" under the guidance of Mrs. Vishalini Divakar in Journal of Emerging Technologies and Innovative Research December 2024.

119. Rohith M, Pranav, Rajath, Chethan B L, Bhavan M published the paper titled "Light Fidelity Wireless Communication" under the guidance of Mrs. Shubha Kulkarni in Journal of Emerging Technologies and Innovative Research December 2024.

120. Archana S K, Adithya S, Ashwini P published the paper titled "Water Cleaning RC Boat" under the guidance of Mrs. Ramya K.R in International Advanced Research Journal in Science, Engineering and Technology December 2024.

121. Prajwal P, Megharaj C M, Shashank C published the paper titled "Neuroglove: The AI Driven Revolution in Hand Interaction" under the guidance of Mrs. Sapna Patil in International Advanced Research Journal in Science, Engineering and Technology December 2024.

122. Mohammed Taha, Kiran G, Lohith Yadav R, Manoj Kumar N published the paper titled "4-in-1 Multipurpose Robot" under the guidance of Dr. Bharathi Gururaj in Journal of Emerging Technologies and Innovative Research December 2024.

123. Ankith Prakash, Ashok, Avinash, Mallikarjun published the paper titled "AC Dust Detection Filter" under the guidance of Mrs. Suma Santhosh in International Journal of Advanced Research in Computer Communication Engineering December 2024.

124. Rakshitha M B, Rohith D, Yadav, Sinchana S S, Sidharth Sharma published the paper titled "Water Quality Monitoring Using IoT and AI" under the guidance of Dr. Electa Alice

jayarani A in Journal of Emerging Technologies and Innovative Research December 2024.

125. Sachin B, Vishwanath V, Srujan H G, Vivek M S published the paper titled "Color Sorting and Line Following Robot" under the guidance of Dr. P.N Sudha in International Advanced Research Journal in Science, Engineering and Technology December 2024.

126. Shalini S, Sahana T B, Sunita S S, Vidyashree H published the paper titled "RFID-Based Smart Billing Trolley" under the guidance of Mr. Naveen Kumar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

127. Anupriya T, Deeksha T S, Gehena B S, Inchara C published the paper titled "RF Controlled Robot for Human Detection" under the guidance of Dr. Anita P in Journal of Emerging Technologies and Innovative Research December 2024.

128. Adith P, Akash S, Harish M V published the paper titled "Morse Code Decoder Using Arduino" under the guidance of Dr. Saleem S Tevaramani in International Journal of Advanced Research in Computer Communication Engineering December 2024.

129. Abhijith R, Omkar N, Bhuarkar, Spoorthy M U, Karan S published the paper titled "Literature Survey on IoT Surveillance for Real-Time Distress and Fire Detection" under the guidance of Dr. P.N Sudha in International Advanced Research Journal in Science, Engineering and Technology December 2024.

130. Mithun C, Chintan D S, B S Bhargav published the paper titled "Literature Survey on Technology Used in Design of Amphibious Hovercraft" under the guidance of Dr. P.N Sudha in International Advanced Research Journal in Science, Engineering and Technology December 2024.

131. Akshay M S, Lohith S H, Lohith B, Manoj T V published the paper titled "Automated Crime Detection and Alert System via Embedded Deep Learning" under the guidance of Dr. Devika B in International Advanced Research Journal in Science, Engineering and Technology December 2024.

132. Deeksha H K, Naveen S K, Vivek Nandan K published the paper titled "Review on Automated Grass Cutter with Pesticide Sprayer" under the guidance of Mrs. Vishalini Divakar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

133. B Sreepadareddi, Chaitra N, Hema K, Sudeep P published the paper titled "Literature Survey on Paper Detection and Exam Hall Allotment Using GSM" under the guidance of Mr. Christo Jain in International Advanced Research Journal in Science, Engineering and Technology December 2024.

134. Apoorva B, Prajwal Patil, Pavan Gowda H P, Sowmya A M published the paper titled "Literature Survey on Autonomous UV Sanitization Robot" under the guidance of Mrs.

Pragati P in International Advanced Research Journal in Science, Engineering and Technology December 2024.

135. Komala N, Kushal Gowda U, Lohith S, Sai Rahul N published the paper titled "Walking Watts: Foot-Step Based Electricity Generator" under the guidance of Dr. Saleem S Tevaramani in International Advanced Research Journal in Science, Engineering and Technology December 2024.

136. Gurushankara M, Anagha Prakash, Anirudha R Bhat published the paper titled "Neuro-Driven Speech Synthesis for Paralysis" under the guidance of Dr. Bharathi Gururaj in International Advanced Research Journal in Science, Engineering and Technology December 2024.

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158. Deeksha H K, Naveen S K, Vivek Nandan K published the paper titled "Review on Automated Grass Cutter with Pesticide Sprayer" under the guidance of Mrs. Vishalini Divakar in International Advanced Research Journal in Science, Engineering and Technology December 2024.

LSIT OF STUDENTS ATTENDED CONFERENCE

1. S Bhargav, Chintan D S, Mithun C attended the conference titled "Amphibious Hovercraft" under the guidance of Dr. P.N Sudha in International Conference on Recent Innovations in Engineering Science & Technology May 2025.
2. Likitha L, Aadhya B N, Abhishek H C, Bindushree S attended the conference titled "Personalized Room Cooling Unit" under the guidance of Dr. Rekha N in International Conference on Recent Innovations in Engineering Science & Technology May 2025.
3. Misba M, Monisha D, Pooja R attended the conference titled "EcoNav Drone X (Environmental Scanning and Navigation with Real-Time Data Transmission Drone)" under the guidance of Dr. Dinesh Kumar D S in International Conference on Recent Innovations in Engineering Science & Technology May 2025.
4. Harini L, Akshay C, Archana G M, Ashcharya N B attended the conference titled "Border Surveillance Bot" under the guidance of Mr. B.R. Santhosh Kumar in International Conference on Recent Innovations in Engineering Science & Technology May 2025.
5. Akshay M S, Lohit S, Hoolageri Bhubh B, Manoj T V attended the conference titled "Automated Crime Detection and Alert System via Embedded Deep Learning" under the guidance of Dr. Devika B in International Conference on Recent Innovations in Engineering Science & Technology May 2025.
6. Chiranth V V, Hemanth D R, Navayana J, Narahari N Joshi attended the conference titled "Integrated Vehicle Tracking with Weight, Tilt, Geofencing & Authentication" under the guidance of Dr. Electa Alice Jayarani A in International Conference on Recent Innovations in Engineering Science & Technology May 2025.
7. Daggupati Charitha, Chaitra G, Harimja, Shrujana G, Dami H S attended the conference titled "Advanced Water Quality Monitoring System for Environment Conservation" under the guidance of Dr. Bharathi Gururaj in International Conference on Recent Innovations in Engineering Science & Technology May 2025.
8. B N Jeevan Gagan V, Pavan M Pai, Gagana U N attended the conference titled "Intelligent Traffic Rules Violation Detector" under the guidance of Mrs. Ramya K R in International Conference on Recent Innovations in Engineering Science & Technology May 2025.
9. Deksha H K, Vivek K, Naveen S attended the conference titled "Agribot: Automated Pesticide Sprayer and Grass Cutter" under the guidance of Mrs. Vishalini Divakar in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

10. Bhavya K, Deepika D, Prajwal D attended the conference titled "Oil Skimming Boat" under the guidance of Mrs. Sangeetha V in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

11. B Sreepadreddi, Chaitra N, Hema K, Sudeep P attended the conference titled "Paper Detection and Exam Hall Allotment using GSM" under the guidance of Mr. Christo Jain in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

12. Apoorva B, Pavon Gowda H P, Prajwal Patil B S, Sowmya A M attended the conference titled "Autonomous UV Sanitization Robot" under the guidance of Mrs. Pragathi Pukkela in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

13. Kushal Gowda U, Komala N, Sai Rahul N, Lohith S attended the conference titled "Footstep Electricity Generator & Energy Harvesting System" under the guidance of Dr. Saleem S Tevaramani in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

14. Prajwal G V, Sagar G S, Kiran K V, Thejas H V attended the conference titled "Wild Life Observation Robot" under the guidance of Mr. Satish Kumar B in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

15. S Hari, Dhanush Rehaman, Shariff, Sanjay P, Shaik Arfath attended the conference titled "Fuel Analyzer" under the guidance of Mrs. Bhargavi Ananth in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

16. Sumukh P, Tarun M, Vidya I, Vidya Rawal D attended the conference titled "Green Power Generation with RFID Access Control" under the guidance of Mrs. Bhanumathi A in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

17. Prayag Singh S, Thushar Cherian, Varshith S, Shwetha V attended the conference titled "Hardware Accelerator for Sign Language Detection on FPGA" under the guidance of Mrs. Vishalini Divakar in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

18. Pratham R, Shanbhag, Prajwal K, Rakshita S, Sanjana V attended the conference titled "DAM Automation" under the guidance of Dr. Anita P in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

19. Sanjay N, Sanchana K, Soundarya S attended the conference titled "Landslide Detection and Traffic Automation" under the guidance of Mrs. Suma Santosh in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

20. Suneetha, Sangeetha H M, Varsha S, Davaskar attended the conference titled "Smart Pepper Spray with GPS Camera Integration" under the guidance of Mr. Naveen Kumar S in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

21. Preetham M R, J Shriya, Ritesh Kumar Sinha, Vijay Yadav R attended the conference titled "Next Gen Wireless Charging Advanced Technology for EV Power Transfer" under the guidance of Mrs. Priyadarshini V in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

22. Samhitha, Prakash, Srilakshmi G, Tejashree N, Vaishnavi B A attended the conference titled "Autonomous Weed Identification Robot" under the guidance of Mrs. Sangeetha V in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

23. Rithika M, Sripriya H G, Vidyashree R attended the conference titled "Design & Implementation of Heliotropic Solar Panel System for Enhanced Energy Harvesting" under the guidance of Mrs. Preetha Kamath B in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

24. Bhuvana H, Kusuma M S, Suneha S, Surabhi K R attended the conference titled "Workers Monitoring and Safety Assurance Bot in Oil Refinery using ESP32 CAM" under the guidance of Mrs. Sapna Patil in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

25. Abhijith R, Omkar N B, Spoorthy M U, Karan S attended the conference titled "IoT Surveillance for Real-Time Scream & Fire Detection" under the guidance of Dr. P.N Sudha in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

26. Shajith Ali, Vyshak G R, Yashwanth M, Adithya D attended the conference titled "Staircase Cleaning Robot" under the guidance of Dr. Rekha N S in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

27. Prajwal H S, Raghavendra Narayan Pujar, Sathyam Kumar Mandal, Shreyas Raghavendra V attended the conference titled "Autonomous Enemy Detection and Real-Time Surveillance Rover for Defense" under the guidance of Dr. Dinesh Kumar D S in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

28. Rohith S, Supreeth A, Sushen Krishnapur attended the conference titled "Gesture Controlled Robotic ARM with Mobile Rover Integration" under the guidance of Dr. Devika B in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

29. Gurushankara M, Anagha Prakash, Anirudh R Bhat attended the conference titled "Neuro Driven Speech Synthesis" under the guidance of Dr. Bharathi Gururaj in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

30. Poluru Manjunath, Veeresh K N, Nayana S attended the conference titled "Rural Health Care Empowerment using AI-Enhanced Telemedicine KIOSK" under the guidance of Mrs. Ramya K R in International Conference on Recent Innovations in Engineering Science & Technology May 2025.

STUDENTS ACHIEVEMENT GALLERY



KAMMAVARI SANGHAM (R) - 1952

KSIT **K S INSTITUTE OF TECHNOLOGY** 

(Approved by ANITE, New Delhi, Affiliated to VTU, Bellary, Karnataka)
Approved by NBE, CSIR & ECCE (erstwhile), with A+
#14, Raghavannaiah, Kanakapura Road, Bengaluru - 560109

Congratulations!

Sindhu M Nimal
7th Sem, ECE

Varsha Jayakumar
7th Sem, ECE

We are proud to announce that our students have attended the prestigious "NATIONAL INTEGRATION CAMP(NIC)", conducted with 200 NSS volunteers from all over the country which was held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, from 11th October to 17th October 2024.



PROFESSIONAL BODIES AND CLUBS



IEEE Student branch has been recognized as one of the most active student branches by the IEEE Bangalore section. This student chapter has been highly involved in the technical development of students by conducting workshops & tech talks.



ISTE formulates & generates goals & responsibilities of technical education. Seminars, workshops, conferences are organized on the topic of relevance to technical education for engineering students as well as teachers.



IETE focuses on advancing electro-technology. The vision of IETE is reaching the unreached & empowering youth through technical education & skill development. IETE conducts workshops & technical talks on various tech topics.



The Institution of Engineers (IEI) is the national organisation of engineers in India. IEI in KSIT promotes an environment to enable ethical pursuits for professional excellence.



Garut aerobotics club (GAC) in KSIT provides the students with various aero modelling workshops, technical talks & promotes environment to to professional excellence.



Antariksh - KSIT Student Satellite Club provides theoretical knowledge in applying them to building satellites. There is no barrier for any branch circuitry, design, data and communication.

FACULTY FELICITATED FOR ACHIEVING 100% RESULTS**ODD 2024**

Sl. No.	Name of the Faculty	Semester	Section	Subject
1	Mrs. Vishalini Divakar	V	A & B	BEC 501 (Technological Innovation and Management Entrepreneurship)
2	Mrs. Pragathi P	VII	A	Introduction to AI and ML (21ES752)
3	Mrs. Shubha Kulkarni	VII	B	Advanced VLSI (21EC71)
4	Dr. Electa Alice Jayarani A	VII	B	Introduction to Data Science (21CS754)
5	Mrs. Shwetha K.C	V	A & B	Environmental Studies (BESK 508)
6	Dr. Sangappa S.B	III	A & B	Social Connect and Responsibility (BSCK 307)

FACULTY FELICITATED FOR ACHIEVING 100% RESULTS**EVEN 2025**

Sl. No.	Name of the Faculty	Semester	Section	Subject
1	Dr. Electa Alice Jayarani A	VI	A	Introduction to Artificial Intelligence (BAI654D)
2	Mr. Krishna Das	VI	A & B	Indian Knowledge System (BIKS609)
3	Dr. Saleem S Tevaramani	VI	B	Data Security (BEC613B)
4	Dr. Sangappa S.B	IV	A & B	Universal Human Values (BUHK408)

MEMORANDUM OF UNDERSTANDING:

- The department signed a Memorandum of Understanding with Entuple Technologies Private Limited on 3rd March 2023 for providing workshops for students and faculties , FDP, short term training programs (STTP) ,internship program and career builder programs opportunities.The MOU is valid for 2 years.
- The department signed a Memorandum of Understanding with Knowx Innovations Private Limited on 5th December 2023 for providing Internships to UG Students ,conduction of workshops and seminars , placement opportunity for trained students. The MOU is valid for 3 years.

FUNDED PROJECT:

- Dr. P.N SUDHA, received a fund of Rs. 5500/- for the project entitled "AMPHIBIOUS HOVERCRAFT" by KSCST on 14 March 2025.
- Mrs. RAMYA K R, received a fund of Rs. 4500/- for the project entitled "INTELLIGENT TRAFFIC RULES VIOLATION DETECTOR" by KSCST on 14 March 2025.
- Dr. SALEEM S TEVARAMANI, received a fund of Rs. 4500/- for the project entitled "WALKING WATTS: INNOVATIVE HUMAN LOCOMOTION BASED ELECTRICITY GENERATOR" by KSCST on 14 March 2025.
- Mrs. BHANUMATHI A, received a fund of Rs. 4500/- for the project entitled "GREEN POWER GENERATION" by KSCST on 14 March 2025.
- Dr. ANITA. P, received a fund of Rs. 4500/- for the project entitled "DAM AUTOMATION" by KSCST on 14 March 2025.

TOPPERS LIST

ODD SEMESTER 2024

THIRD SEMESTER

Sl. No.	USN	Name	Total Marks	Percentage
1	IKS23EC068	NAMITH S	802	89.11
2	IKS23EC009	AMPABATHINI NAVYA SREE	800	88.89
3	IKS23EC037	H P RAHUL KRISHNA	787	87.44

FIFTH SEMESTER

Sl. No.	USN	Name	Total Marks	Percentage
1	IKS22EC002	ADEEBA ISMATH	790	87.78
2	IKS22EC063	MEGHANA S R	774	86.00
3	IKS22EC015	ARCHANA N	763	84.78

SEVENTH SEMESTER

Sl. No.	USN	Name	Total Marks	Percentage
1	IKS21EC117	VIDYASHREE R	459	91.8
2	IKS21EC097	SRIPRIYA H G	453	90.6
3	IKS21EC017	B S BHARGAV	448	89.6

TOPPERS LIST

EVEN SEMESTER 2025

FOURTH SEMESTER

Sl. No.	USN	Name	Percentage
1	IKS23ECO43	KAVYA M	91.55
2	IKS23ECO67	NAGENDRA MANJUNATH HEGDE	90.33
3	IKS23ECO09	AMPABATHINI NAVYA SREE	89.44

SIXTH SEMESTER

Sl. No.	USN	Name	Percentage
1	IKS22ECO02	ADEEBA ISMATH	91.33
2	IKS22ECO08	AMULYA M N	90.22
3	IKS22ECO95	SNEHA	89.22

EIGHTH SEMESTER

Sl. No.	USN	Name	Percentage
1	IKS2IECI17	VIDYASHREE R	98.50
2	IKS2IECO17	B S BHARGAV	98.33
3	IKS2IECO48	MITHUN C	98.00

NOSTALGIA

