



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 2023-2024



PRERANA
INSPIRE TO INNOVATE

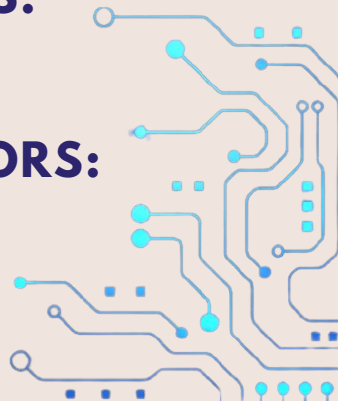
STAFF CO-ORDINATORS:

MRS. V SANGEETHA
MRS. RAMYA K R

STUDENT CO-ORDINATORS:

MR. GURUSHANKARA M
MR. ABHIJITH R
MR. P R PRAJWAL KUMAR
MS. LAVANYA C S
MR. KUSHAL M

VOL NO.10



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 10th 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 IO". 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 - IO ". 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

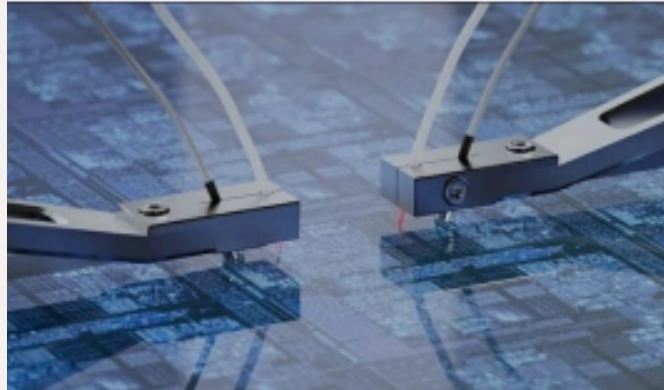
I would like to congratulate and thank our department editorial team for their excellent effort in summarizing the talent, achievements and mile stones achieved by our staff and students through the departmental newsletter. KSIT ECE department not only concentrates on academic activities but also the 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

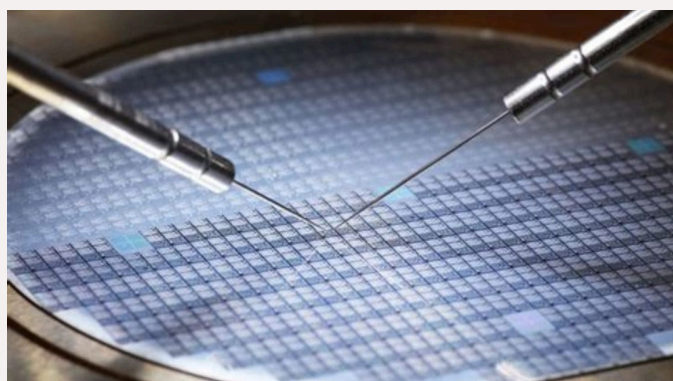
- Dr. Bharati Gururaj - Associate Professor
- Mrs. Sapna Patil - Asst. Professor
- Ms. Pragati .P- Asst. Professor

LATEST TECHNOLOGY

SILICON PHOTONICS



- The rise of Hybrid Silicon Photonics : hybrid photonic integration is emerging as a game changing approach, combining the best aspects of silicon photonics with materials like III-v Semiconductors. This allows for more efficient light generation , leading to faster and more powerful photonic systems for a variety of industries.
- Quantum computing and Silicon Photonics : Silicon photonics is making strides in the computing realm . New research indicates that silicon photonic devices may be the key to scalable quantum interconnects . The challenge of integrating quantum processors with optical communications systems is expected to be solved using silicon photonics based approaches.
- Silicon photonics is a cutting edge technology that combines optical components with silicon- based microelectronics . It uses light to transfer data at high speeds within and between computer chips , making it a key enabler for high speed communication systems, data centers, and next generation computing.
- “ New approach to Silicon Photonic Modulators” Researchers have developed a new technique for silicon-based electro -optic modulators that significantly reduce power consumption without compromising speed. This breakthrough opens up new possibilities for photonic chips in high-speed communication networks.
- “Innovation in On-chip Laser sources for Silicon Photonics” A team has created the first on-chip tunable laser source using silicon photonic technology. This should pave the way for low-cost, scalable solutions for applications in optical communications, sensing and quantum computing.
- . Upcoming Conference and events Research Highlights
- SPIE Photonics West 2025 Date : February 1-6,2025 Featuring the latest advances in silicon photonics , optical communications and quantum photonics .
- Workshop on Integrated Photonic Circuits Date : March 12,2025 This online workshop focuses on designing integrated photonic circuits with applications in telecom and quantum information processing



- Dr. John Doe - A Pioneer in Silicon Photonics - His groundbreaking work in photonic integration has led to the development of efficient on chip modulators and detectors. His recent works on ultra-low power consumption devices is expected to impact both data center's and mobile communication systems.

EVENTS CONDUCTED



- The Department of Electronics and Communication Engineering organized "Hacking Hardware" by Amsumanth and GuruShankara in association with Garut Club KSIT-IEEE on 22nd -2nd July 2023



- The Department of Electronics and Communication Engineering organized "FDP- technical learning OBE" by Dr K Gopalakrishna ,Principal, jyothy IT, Bengaluru, Joy Prabhakar ,consultant, Dr Dilip Kumar, Principal, ksit, Dr Krishnamurti,Professor, IISC,Retd.,Dr.Bhaskar S,Prof,KCT,Dr.Manjunath,Prof,CMRU,Dr.KVA Balaji,CEO,KSGI,Dr.Shekhar



- The Department of Electronics and Communication Engineering organized "Medical Tacktail" by Examiners from Cytecure Cancer Hospital in collaboration with Oracle Volunteer in association with IEEE-WIE,ASH,IIC,NSS on 1st August 2023



- The Department of Electronics and Communication Engineering organized "IEEE Day 2023" in association with KSIT-IEEE SB on 4th November 2023



- The Department of Electronics and Communication Engineering organized "Hobby Project Exhibition" on 2nd September 2023



- The Department of Electronics and Communication Engineering organized a talk on “Innovation and Design Thinking” by Dr. Mahabhaleshwara Bhat in association with IETE on 22nd July 2023.



- The Department of Electronics and Communication Engineering organized one month Internship on “Fundamentals of Embedded Systems” by Mr.Saleem S Tevaramani in association with Antariksh Club on 14th August 2023 to 14th September 2023.



- The Department of Electronics and Communication Engineering organized a talk on “Unlock your Global Potential-Study Abroad” by Mr.Kiran , MD.Edumirchi in association with KSIT IEEE SB,ISTE,IETE,IEI on 16th November 2023.



- The Department of Electronics and Communication Engineering organized a talk on “Exploring opportunities studying Abroad – by Go Study” by Mr. Pratik and Mr.Zameer in association with IEI on 6th December 2023.



- The Department of Electronics and Communication Engineering organized “INNOVACEEEA” in association with KSIT IEEE SB on 9th December 2023.



- The Department of Electronics and Communication Engineering organized an Industrial visit to “ELSIA” ,Electronic City, Bangalore on 5th January 2024.



- The Department of Electronics and Communication Engineering organized a Technical seminar “TechVistara” in association with Garut club “on 18th and 19th January 2024.



- The Department of Electronics and Communication Engineering organized a Technical seminar “INNORAPS” in association with KSIT-IEEE SB,ISTE “on 2nd February 2024.



- The Department of Electronics and Communication Engineering organized an Industrial visit to “U R RAO Satellite Centre”, Bangalore in association with KSIT-IEEE SB,IETE,ISTE,IEI for 5th semester students on 22nd & 23rd February 2024.



- The Department of Electronics and Communication Engineering organized an Industrial visit to “Mahatma Gandhi Institute of Rural Energy & Development (MGIRED)” in association with KSIT-IEEE SB,IETE,ISTE,IEI for 7th semester students on 27th February 2024.



- The Department of Electronics and Communication Engineering organized an event on “Personality Development, Menstrual Hygiene, Mental Health” in association with IEEE-WIE,ASH “for 5th sem Girls on 14th February 2024.



- The Department of Electronics and Communication Engineering organized mini project exhibition on “CCN Model Exhibition” in association with KSIT-IEEE SB,IETE,ISTE,IEI for 5th sem on 29th February &1st March 2024.



- The Department of Electronics and Communication Engineering organized an event “Women’s Day Celebration 2024” in association with IEEE-WIE for Lady teaching and Non-Teaching Faculties on 14th March 2024.



- The Department of Electronics and Communication Engineering organized a Technical seminar on “Synthesis of fundamental creativity” by Mr. Guruprasad, ELCIA in association with KSIT-IETE-IEI on 24th Feb 2024.



- The Department of Electronics and Communication Engineering organized “Project Exhibition” in association with KSIT-IEEE SB,IETE,ISTE,IEI for 8th sem students on 30th April 2024.



- The Department of Electronics and Communication Engineering organized one day “Workshop on “LOGICAL THINKING & PROBLEM SOLVING “ by Dr S.R. Subramanya, President and CEO of Exskillence in San Diego ,california ,USA in association with KSIT-IEEE SB,IETE,ISTE,IEI&IIC for 6th sem students on 24th MAY 2024.



- The Department of Electronics and Communication Engineering organized 5 DAYS WORKSHOP ON “OUTCOME BASED EDUCATION”by Dr. V Krishnamurty, Prof. and Mentor-Research, Cambridge Institute of Technology, Bengaluru. Mr.Anatharamaih in association with KSIT-IEEE SB,IETE,ISTE,IEI&IIC “for Staffs of AIML,ECE,ME,CSD,CSE on 27th MAY,3-6th JUNE 2024.



- The Department of Electronics and Communication Engineering organized Seminar on “Anti Tobacco Awareness”by Dr. Karthik N Rao, HoD and Consultant, Shankara Cancer Hospital, Bangalore in association with KSIT IEEE SB for 4th sem students on 7th June 2024.



- The Department of Electronics and Communication Engineering organized event “IEEE Valedictory” in association with KSIT IEEE SB for IEEE students and final year students on 8th June 2024.



- The Department of Electronics and Communication Engineering organized event “5K RUN- NISVAARTH” in association with KSIT IEEE SB for KSIT, KSSEM, KSP, KSSA students and faculty on 15th June 2024.

FDP ATTENDED BY FACULTY

EVENTS ATTENDED BY FACULTY-TEACHING:

- Dr.Rekha N, Associate Professor participated in a 5 days faculty development program on "IP Incubation and Startups" organized by K S Institute of Technology from 3rd August to 8th August 2023.
- Mrs.Sangeetha V , Assistant Professor participated in a 4 weeks faculty development program on "Stress Management" organized by IIT Madras from August to September 2023.
- Mr.Saleem S Tevaramani , Assistant Professor participated in a 5 days faculty development program on "IP Incubation and Startups" organized by K S Institute of Technology from 3rd August to 8th August 2023.
- Mrs.Bhanumathi A , Assistant Professor participated in a 5 days faculty development program on "IP Incubation and Startups" organized by K S Institute of Technology from 3rd August to 8th August 2023.
- Mrs.Kavya M , Assistant Professor participated in a 5 days faculty development program on "IP Incubation and Startups" organized by K S Institute of Technology from 3rd August to 8th August 2023.
- Mr.Saleem S Tevaramani , Assistant Professor participated in a 5 days faculty development program on "AI for Building Speech and Vision Applications Using Python" organized by Galgotias College of Engineering and Technology,Gr.Noida from 21st August to 28th August 2023.
- Mr.Saleem S Tevaramani , Assistant Professor participated in a 2 days faculty development program on "Introduction to Embedded Systems and Robotics" organized by Jyothi Institute of Technology from 8th September to 9th September 2023.
- Mr.Saleem S Tevaramani , Assistant Professor participated in a 7 days faculty development program on "Research Ethics in Higher Education" organized by Rani Anna Government College for Women,Tirunelveli & Globethics ,South Asia Centre, Bangalore from 18th September to 25th September 2023.
- Mr.Saleem S Tevaramani , Assistant Professor participated in a 5 days faculty development program on "Research Innovations and Implementation Methods" organized by IMS Engineering College,Ghaziabad from 16th October to 20th October 2023.
- Mr.Saleem S Tevaramani , Assistant Professor participated in a 3 days faculty development program on "The Role of AI and ML in 6G Wireless Networks" organized by VIT Vellore,Tamilnadu from 25th October to 27th October 2023.
- Mr.Saleem S Tevaramani , Assistant Professor participated in a 3 days faculty development program on "Best Practices Benchmarking in HEI's for Quality Enhancement" organized by Guru Shree Shantivijai Jain College for Women,Chennai from 26th October to 31st October 2023.
- Dr.Rekha N, Associate Professor participated in a 6 days faculty development program on "Teaching, Learning & OBE concepts " organized by K S Institute of Technology from 21st September to 27th September 2023.
- Dr.Devika B, Associate Professor participated in a 6 days faculty development program on "Teaching, Learning & OBE concepts " organized by K S Institute of Technology from 21st September to 27th September 2023.

- Mrs.Sangeetha V , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
- Mrs.Bhargavi Ananth, Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
- Mrs.Bhanumathi A , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
- Mrs.Kavya M , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
- Mrs.Anita P , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
- Ms.Amrutha R , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
- Dr.Rekha N attended 5 days FDP on “ Generative AI-Models, Tools& Applications” at CMR Institute of Technology, Bangalore on 29th January to 2nd February 2024.
- Dr. Dinesh Kumar D S attended 5 days FDP on “Future Challenges in 6G” at SIMATS Engineering, Chennai on 4th to 8th March 2024.
- Dr. Dinesh Kumar D S attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mr. Santhosh Kumar B R attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Dr.Devika B attended a FDP on “ Artificial Intelligence , Machine Learning and Data Science for Engineering Applications” at National Institute of Technology, Warangal on 2nd to 11th May 2024.
- Dr. Electa Alice Jayarani A attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mrs. Ramya K R attended 5 days FDP on “Advancing Power Grid Operations: Integrating Renewable Sources and EV’s at scale” at S R University, Telangana on 20th to 24th May 2024.
- Mrs. Ramya K R attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mrs. Vishalini Divakar attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mr. Praveen A attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mr. Christo Jain attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mr. Saleem S Tevaramani attended 5 days FDP on “The Future of Generative AI in Academic Research and Publishing” at Institute of Engineering and Management, Kolkata on 2nd to 6th January 2024.

- Mr. Saleem S Tevaramani attended FDP on “Opportunities and Challenges in Entrepreneurship” at JSSATEB Science and Technology Entrepreneurship Park, Bangalore on 3rd to 19th January 2024.
- Mr. Saleem S Tevaramani attended 6 days FDP on “Artificial Intelligence Beyond Today: Exploring Emerging Trends and Possibilities” at Chandigarh University on 5th to 10th January 2024.
- Mr. Saleem S Tevaramani attended FDP on “IOT, Embedded Systems and AI” at JSSATE, Bangalore on 4th to 29th March 2024.
- Mr. Saleem S Tevaramani attended FDP on “Advancement in Quantum Computing and Sensor Technology for viksit Bharath @2047 at The Oxford College of Engineering Bangalore on 15th April to 27th April 2024.
- Mr. Saleem S Tevaramani attended 5 days FDP on “Recent Trend in Multidisciplinary Research at Viswakarma Institute of Information Technology, Pune on 29th April to 3rd May 2024.
- Mr. Saleem S Tevaramani attended 5 days FDP on “Advancing Power Grid Operations: Integrating Renewable Sources and EV’s at scale” at S R University, Telangana on 20th to 24th May 2024.
- Mr. Saleem S Tevaramani attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mr. Sathish Kumar B attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mrs. Bhanumathi A attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mrs. Kavya B M attended 5 days FDP on “Sustainable & Eco-friendly products-commerce Businesses” at JSSATEB Science and Technology Entrepreneurship Park, Bangalore on 7th to 24th February 2024.
- Mrs. Kavya B M attended FDP on “Advancement in Quantum Computing and Sensor Technology for viksit Bharath @2047 at The Oxford College of Engineering Bangalore on 15th April to 27th April 2024.
- Mrs. Kavya B M attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Dr. Anita P attended 5 days FDP on “Frontiers of Photonic Integrated Circuits and Sensing Technologies” at The Oxford College of Engineering Bangalore on , 1st to 4th April 2024.
- Dr. Anita P attended FDP on “Advancement in Quantum Computing and Sensor Technology for viksit Bharath @2047 at The Oxford College of Engineering Bangalore on 15th April to 27th April 2024.
- Dr. Anita P attended 5 days FDP on “Advancing Power Grid Operations: Integrating Renewable Sources and EV’s at scale” at S R University, Telangana on 20th to 24th May 2024.
- Mrs. Suma Santhosh attended 5 days FDP on “Advancing Power Grid Operations: Integrating Renewable Sources and EV’s at scale” at S R University, Telangana on 20th to 24th May 2024
- Mrs. Suma Santhosh attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.
- Mr. Naveen Kumar S attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.

- Mrs. Priyadharshini V attended 5 days FDP on “Advancing Power Grid Operations: Integrating Renewable Sources and EV’s at scale” at S R University, Telangana on 20th to 24th May 2024
- Mrs. Priyadharshini V attended 5 days FDP on “Outcome Based Education” at K S Institute of Technology, Bangalore on 3rd to 7th June 2024.

FACULTY ACHIEVEMENTS

- Dr. Rekha N is recognized as Reviewer for VSPICE 2023 an International conference on “VLSI ,SIGNALPROCESSING ,POWEELECTRONICS ,IOT, COMMUNICATION AND EMBEDDED SYSTEMS” organized by NMAM Institute of Technology, Nitte on 19th & 20th December 2023.
- Mr. Saleem S Tevaramani , Assistant Professor, recognized as a Reviewer in Reviewer IEEE International conference on data science networks Kalpataru Institute of Technology, Tiptur from 28th July 2023 to 29th July 2023.
- Dr. P.N. Sudha, Professor, HOD-ECE Academic Expert Member in Academic Expert Member of Board of Studies-ECE at Sir M V Institute of Technology on 16th March 2024.
- Dr. B. Surekha, Professor Appointed as a Governing Body Member at DST iTBI Center (GN JERBI Foundation) at Guru Nanak Dev Engineering College, Bidar on 15th March 2024.
- Dr. B. Surekha, Professor , two of her Ph.D scholars Awarded Ph.D in VTU Convocation 2024 at VTU, Belgaum on 7th March 2024.
- Dr. Sangappa S B, Professor, attended 52nd National Annual Convention(ISTE)at Kalburgi on 12th & 13th February 2024.
- Dr. Sangappa S B,Professor ,IQAC Annual meet of Dayananda Sagar College of Engineering at Dayananda Sagar College of Engineering on 7th March 2024.
- Dr. Sangappa S B,Professor recognized as an Evaluator for Ph.D.Thesis on An Analysis and Designing of Dual Band phase Array Antenna for bandwidth Enhancement of 5G Applications with Improved Radiation Characteristics in Electronics & Communication Engineering at Rabindranath tagore University on 12th March 2024.
- Dr. Sangappa S B,Professor, Technical Teachers Meet Orientation Program at Bengaluru on 24th Sunday 2024.
- Dr. Dinesh Kumar D S,Associate Professor recognized as a Session Chair in Next Generation Intelligence in Electronics and communication Engineering at East Point college of Engineering on 9th May 2024.
- Dr. Dinesh Kumar D S,Associate Professor recognized as a Reviewer in 2nd IEEE International Conference on Data science and Information system at Malnad College of Engineering from 17th to 18th May 2024.
- Dr. Dinesh Kumar D S,Associate Professor recognized as a Doctoral Committee member at Cambridge Institute of Technology on 19th June 2024.
- Dr. Electa Alice Jayarani,Associate Professor recognized as a Reviewer in EURASIP Journal on audio, speech and music proceeding on 07 March 2024.
- Mr. Saleem S Tevaramani,Assistant Professor recognized as a Reviewer in International Conference on Distributed Computing and Optimization Techniques (ICDCOT - 2024) at SJB institute of Technology on 15th &16th March 2024.

- Mr. Saleem S Tevaramani,Assistant Professor recognized as a Reviewer in 2nd International Conference on Integrated Circuits and Communication Systems (ICICACS - 2024) at Sir M Visvesvaraya college of Engineering, Raichur on 23rd & 24th Feb 2024.
- Mr. Saleem S Tevaramani, Assistant Professor recognized as a Reviewer in Emerging Research in Computing, Information, Communication, Artificial Intelligence & Machine Learning at NM Institute of Technology ,Bengaluru on 23rd & 24th Feb 2024.
- Mr. Saleem S Tevaramani,Assistant Professor recognized as a Reviewer in 3rd IEEE International Conference on Distributed computing at Ballari Institute of Technology and Management on 26th&27th April 2024.
- Mr. Saleem S Tevaramani,Assistant Professor recognized as a Reviewer in 3rd IEEE International Conference on AI for IOT at Vellore Institute of Technology and Management on 3rd &4th May 2024..
- Mr. Saleem S Tevaramani,Assistant Professor recognized as a Reviewer in 2nd IEEE International Conference on Data Science and Information system at MALnad college of Engineering on 17th &18th May 2024.

PUBLICATIONS

FACULTY PUBLICATIONS

BOOK PUBLICATION

- Dr. Rekha N, Published "Computer Vision Based Home Automation" Recent Trends in Computational Sciences, First Edition, CRC Press, Taylor & Francis group, London, pp.51-56, November 2023. [ISBN: 9781032426853]

JOURNAL PUBLICATIONS

- Dr. P.N Sudha, "Development of renewable energy system for low power underwater devices", Indonesian Journal of Electrical Engineering and Computer Science Vol. 31, No. 1, pp. 68-76 , July 2023. [ISSN: 2502-4752]
- Dr. Rekha N, "Reinforcing Optimization enabled Interactive Approach for Liver Tumor Extraction in CT Images", International Journal of Electrical and Computer Engineering (IJECE), Vol.13, No.4, pp.4076-4086, August 2023. [ISSN 2088-8708]
- Mr. Saleem S Tevaramani "Arnold Transform-Lifting Wavelet Transform and Singular Value Decomposition Based Alpha Blending Image Steganography for Secure Communication" International Journal of Intelligent Systems and Applications in Engineering, Vol.12, No.1, pp.536-542 October 2023. [ISSN: 2147-6799]
- Dr. Surekha Borra "Challenges of Deep Learning in Medical Image Analysis—Improving Explainability and Trust" IEEE Transactions on Technology and Society, vol. 4, no. 1, pp. 68-75, March 2023.
- Dr. Surekha Borra "CLAHE Enhanced Hybrid Feature Descriptors for Classification of Acute Lymphoblastic Leukemia in Blood Smear Images" International Journal of Biomedical Engineering and Technology, Vol. 43, No.4, pp. 309-328, 2023. [ISSN: 1752-6426]
- Dr. Sudarshan "Smart glass for individual with hearing impairment" Journal of emerging technologies and innovative research (JETIR).
- Dr. Dinesh Kumar D.S "Mobile Jammer Circuit" International advanced research journal in science, Engineering and Technology
- Mr. Santhosh Kumar B R "An E-Commerce Platform for Farmers" Journal of emerging technologies and innovative research
- Dr Devika B "A survey on smart car parking system" Journal of emerging technologies and innovative research.
- Dr Electa Alice Jayarani "Machine learning and deep learning analysis of vehicle carbon footprint.
- Mrs Ramya K R "A survey on fruits and vegetables quantity monitoring system" Journal of emerging technologies and innovative research ("JETIR").
- Mrs Vishalini Diwakar "A review on solar powered lake cleaning robot" Journal of emerging technologies and innovative research (JETIR).
- Mrs Sangeetha V "Smart blind shopping carrier" Journal of emerging technologies and innovative research.
- Mr Praveen A "Bionic Arm" International advanced research journal in science, engineering and technology (IARJSET).

- Dr.Rekha N “Reinforcing Optimization enabled Interactive Approach for Liver Tumor Extraction in CT Images” International Journal of Electrical and Computer Engineering (IJECE)
- Dr. Rekha N “A Survey on Automatic Accident Insurance claim” Journal of Emerging Technologies and Innovative Research (JETIR)
- Dr. Rekha N “Wi-Fi based industry protection system” Journal of Emerging Technologies and Innovative Research (JETIR)
- Dr. Rekha N “Automatic Accident Insurance Claim” Journal of Emerging Technologies and Innovative Research (JETIR)
- Dr.Dinesh Kumar D.S “Mobile Jammer Circuit” International Advanced Research Journal in Science, Engineering and Technology.
- Dr.Dinesh Kumar “RFID Based Attendance Management System” International Journal of Creative Research Thoughts – ijcr(IJCRT.ORG).
- Dr. Dinesh Kumar “Sensor-Based Smart Wireless Emergency Pendant” Journal of Emerging Technologies and Innovative Research (JETIR)
- Dr. Dinesh Kumar D S “RFID Based Attendance Management System” Journal of Emerging Technologies and Innovative Research (JETIR)
- Mr. Santhosh Kumar B.R “Accident prevention system in railways” Journal of Emerging Technologies and Innovative Research (JETIR)
- Mr. Santosh Kumar B R “An E-Commerce Platform for Farmers” Journal of Emerging Technologies and Innovative Research (JETIR).
- Mr. Santhosh Kumar B.R “A Survey on Farmer-to-consumer website with sensors” Journal of Emerging Technologies and Innovative Research (JETIR)Vol.10.
- Mr. Santosh Kumar B R “Accident Prevention System for Railways” Journal of Emerging Technologies and Innovative Research (JETIR).
- Dr. Devika B “A Survey on Smart Car Parking System” Journal of Emerging Technologies and Innovative Research (JETIR).
- Dr.Devika B “A Survey on tech-feed: intelligent feeding for furry friends” Journal of Emerging Technologies and Innovative Research (JETIR).
- Dr. Devika B “Smart Car Parking System” Journal of Emerging Technologies and Innovative Research (JETIR).
- Dr. Electa Alice Jayarani “Machine Learning and Deep Learning Analysis of Vehicle Carbon Footprint” International Journal of Environmental Impacts.
- Mrs. Ramya KR “A Survey on Fruits and Vegetables Quality Monitoring Systems” Journal of Emerging Technologies and Innovative Research (JETIR) .
- MrsRamya K R “Fruits and Vegetables Quality Monitoring Using IOT ” Journal of Emerging Technologies and Innovative Research (JETIR) .
- Mrs. VishaliniDiwakar “A Survey paper on voice controlled elevator ” Journal of Emerging Technologies and Innovative Research (JETIR).
- Mrs. VishaliniDiwakar “A Review on solar powered lake cleaning robot” Journal of Emerging Technologies and Innovative Research (JETIR).
- Mrs. VishaliniDivakar “Solar Powered Lake Cleaning Robot ” Journal of Emerging Technologies and Innovative Research (JETIR).
- Mrs. VishaliniDivakar “Voice Controlled Elevator ” Journal of Emerging Technologies and Innovative Research (JETIR).
- Mrs. Sangeetha V “Survey of robotic vacuum cleaners” Journal of Emerging Technologies and Innovative Research (JETIR).
- Mrs. Sangeetha V “Smart blind shopping carrier” Journal of Emerging Technologies and Innovative Research (JETIR).
- Mrs. Sangeetha V “Campus Cleaner Bot ” Journal of Emerging Technologies and Innovative Research (JETIR).
- Mrs. Sangeetha V “Implementation of Smart Shopping Trolley” International Journal for Multidisciplinary Research (IJFMR).

PLACEMENT DETAILS**LIST OF PLACED STUDENTS FOR THE YEAR 2023-2024**

Sl. No	University Serial Number	Name of the Student	Name of the Employer
1	IKS20EC021	DARSHAN KUMAR S	L S DAVAR & CO
2	IKS20EC003	AFFEEFA SHARIEFF	TCS/L S DAVAR & CO
3	IKS20EC073	RAHUL KRISHAN V	L S DAVAR & CO
4	IKS20EC083	ARUN KUMAR A	EFI
5	IKS20EC013	CHAITRA K	EFI
6	IKS20EC089	SANJANA G	EFI
7	IKS20EC002	ADITI DUBEY	ITC INFOTECH
8	IKS20EC034	HIMA SHWETHA	ITC INFOTECH
9	IKS20EC030	GANDHAMANI	FOND
10	IKS20EC051	KUMAR K G	LUMOUS LEARNING
11	IKS20EC077	RAKSHITH R	LUMOUS LEARNING
12	IKS20EC105	TARUN PRASANNA	LUMOUS LEARNING, UNIVISION
13	IKS20EC016	CHAYA S	VTIGER
14	IKS20EC093	SHARATH M	UNIVISION
15	IKS20EC036	HARSHITHA N	UNIVISION
16	IKS20EC099	SHWETA DEEPAK K	UNIVISION

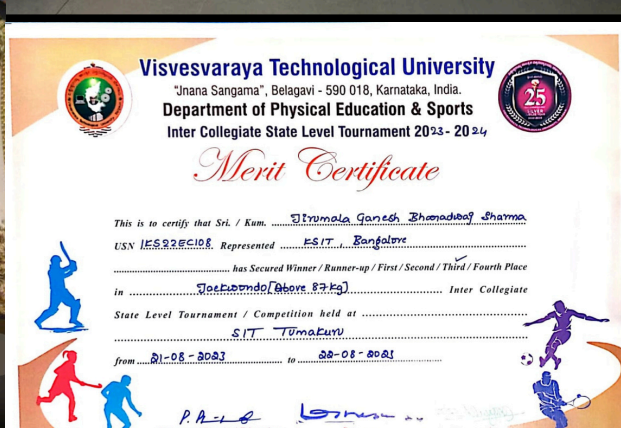
17	IKS20EC094	SHASHANK S	UNIVISION
18	IKS20EC002	ADITI DUBEY	UNIVISION
19	IKS20EC068	PREMA G	JLL
20	IKS20EC065	PAVANI T S	JLL/ ACADEMOR
21	IKS20EC041	JAYANTH H	LEKHA WIRELESS
22	IKS20EC057	MEGHASHREE M	LEKHA WIRELESS
23	IKS20EC038	CHANTHANYA	ACADEMOR
24	IKS20EC049	KIRAN NARAYAN	ACADEMOR
25	IKS20EC028	H C GAGAN	ACADEMOR
26	IKS20EC008	B S HEMASHREE	ACADEMOR
27	IKS20EC070	PRIYANKA K	ACADEMOR
28	IKS20EC102	SUMANA N	MAVENIR
29	IKS20EC062	NEHA NAGARAJ	CHHAPOLIKA & COMPANY
30	IKS20EC025	DIVYA N	HARMAN
31	IKS20EC001	ABHISHEK J	PTIT

STUDENTS ACHIEVEMENTS

- Sachin N.M Participated and received Certificate of Appreciation Organized by Red Cross Society on 7th August 2023.
- Uday C.H Participated and received Certificate of Appreciation Organized by Red Cross Society on 7th August 2023.
- Suraksha N Participated and received Certificate of Appreciation Organized by Red Cross Society on 7th August 2023.
- Shaik Arfath participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
- Vidya Rawal participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
- Anagha Prakash participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
- Gurushankar M participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
- Anirudha R Bhat participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
- Amulya R received a Certificate of Merit at KSIT on 9th September 2023.
- Disha Shivani Participated in Certificate of Merit Organized by KSIT and won Third Prize on 9th September 2023.
- Adithya S participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
- Prajwal P participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
- Archana S.K participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
- Ashwini P participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
- Ankita P participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
- Amrutha P participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
- Raghu H M participated in Mini Project Exhibition at KSIT on 26/02/2024 and won second Place.
- Srujan Karanth N participated in Mini Project Exhibition at KSIT on 26/02/2024 and won second Place.
- Vardhan Gowda K N participated in Mini Project Exhibition at KSIT on 26/02/2024 and won second Place.
- V Likith participated in The Gentleman Burglar at Christ University from 12/02/2024 to 13/02/2024 and won Second Place.

- Anagha Prakash participated in The Gentleman Burglar at Christ University from 12/02/2024 to 13/02/2024 and won Second Place.
- Gurushankara M participated in The Gentleman Burglar at Christ University from 12/02/2024 to 13/02/2024 and won Second Place.
- Archana N participated in The Gentleman Burglar at Christ University from 12/02/2024 to 13/02/2024 and won Second Place.
- Sindhu M Nimbal participated in Aptitude and Softskills organised by KSIT, Bangalore.
- Vivek M S participated in Electrical Technology Organised by Karnataka German Technical Training Institute - Bengaluru on 10/10/2024
- Lavanya C S participated in Tech and Takeoff workshop on Robotics organised at KSIT, Bangalore from 25/10/2024 to 26/10/2024.
- P R Prajwal Kumar participated in Tech and Takeoff workshop on Robotics organised at KSIT, Bangalore from 25/10/2024 to 26/10/2024.
- Akshay V participated Internship Programme on Electric Vehicle organised by SkillDzire with AICTE on 05/12/2024.
- Avinav Prasad participated in Tech and Takeoff workshop on Robotics at KSIT Bangalore from 25/10/2024 to 26/10/2024.
- Apoorva N Gowda participated in Diploma in Ace Code Programming at NCT Computer Centre-Bangalore on 11/09/2024.
- Srilakshmi G participated in Life Skills 2.0 organised by Rooman Technologies Pvt Ltd on 29/11/2024.
- Santhosh G.S participated in Tech and Takeoff workshop on Robotics organised by KSIT Bangalore from 25/10/2024 to 26/10/2024.
- Nagendra Manjunath Hegde participated in Tech and Takeoff workshop on Robotics organised by KSIT Bangalore from 25/10/2024 to 26/10/2024.
- Suneha S participated in PCB Basic Design Course organized by Altium Education on 7/12/2024.
- Surabhi K.R participated in Pepshe Supply chain star Program organised by PEPSICO India.
- P R Prajwal Kumar participated internship programme on Embedded system organized by SkillDzire with AICTE on 05/12/2024.
- Lavanya C S participated in Internship programme on Cybersecurity Analyst Job Simulation organized by Tata Forage on 28/12/2024.
- Tirumala Ganesh participated in Embedded system organized by GenZ Educate Wing from 5/10/2024 to 7/10/2024.
- Lavanya C S participated in Internship programme on Artificial intelligence organized by SkillDzire with AICTE on 05/12/2024.
- P R Prajwal Kumar participated in HTML5 Bootcamp organised by LetsUpgrade on 04/04/2024 to 06/04/2024.
- Gurushankara M participated in PCB Basic Design Course organised by Altium Education on 07/12/2024.
- Avinash V.S participated in Python for Remote Sensing Image at MNMIT-Bangalore on 09/10/2024.

STUDENTS ACHIEVEMENT GALLERY



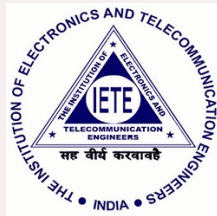
PROFESSIONAL BODIES AND CLUBS



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 aerobatics 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 to applying them to building satellites. There is no barrier for any branch circuitry, design, data and communication.

100% RESULTS

FACULTY FELICITATED FOR ACHIEVING 100% RESULTS

we are happy and proud to announce that ECE Department has achieved 100% results in the 8th Semester of the year 2023-24.

Sl. No.	Name of the Faculty	Semester	Section	Subject
1	Dr. Sangappa S B	III	A&B	Social Connect and Responsibility (BSCK307)
2	Dr.Dinesh Kumar D S	VII	A	Computer Networks (18EC71)
3	Dr.Dinesh Kumar D S	VIII	B	Radar Engineering (18EC823)
4	Mr. B R Santhosh Kumar	IV	A	Microcontrollers (BEC405A)
5	Mrs. Ramya K R	II	A	Introduction to Electrical Engineering (BESCK104B)
6	Mrs.Vishalini Divakar	VII	A&B	Energy and Environment(18ME751)
7	Mrs.Sangeetha V	V	B	Computer Communication Networks (21EC53)
8	Dr.Saleem S Tevaramani	VII	A	Satellite communication(18EC732)
9	Dr.Saleem S Tevaramani	VIII	A	Radar Engineering (18EC823)
10	Mr.Praveen A	VII	B	VLSI Design(18EC72)
11	Mr.Naveen Kumar S	IV	B	Microcontrollers (BEC405A)

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.

CONGRATULATIONS

- Dr. Anita P has been awarded Doctor of Philosophy from Visvesvaraya Technological University , Belagavi , Karnataka , India, March 2024 for the Thesis " Novel FrameWork for Packet Classification with Superior Network and Computational Performance" carried out under the supervision of Dr. Manju Devi , Professor and Head , Department of Electronics and Communication Engineering, Oxford college of Engineering Bengaluru.
- Dr. Saleem S Tevaramani has been awarded Doctor of Philosophy from Visvesvaraya Technological University , Belagavi , Karnataka , India, June 2024 for the Thesis " Performance Analysis for Secured Communication using Steganography Techniques" carried out under the supervision of Dr. Ravi J , Professor ,Department of Electronics and Communication Engineering , Global Academy of Technology , Bengaluru.

FUNDED PROJECT:

- Mr. Praveen, Assistant Professor received a fund of Rs.5500/- for the project entitled "Bionic Arm" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2024.
- Mr. Santosh Kumar B R Associate Professor received a fund of Rs.4000/- for the project entitled "Accident Prevention System for Railways" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2024.
- Dr. P N Sudha Professor received a fund of Rs.5000/- for the project entitled "Smart Real Time Drainage Monitoring System" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2024.
- Dr. Dinesh Kumar D S Associate Professor received a fund of Rs.5500/- for the project entitled "Smart Wireless Emergency Pendant" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2024.

TOPPERS LIST**ODD SEMESTER 2023****THIRD SEMESTER**

Sl. No.	USN	Name	Total Marks	Percentage
1	IKS22EC067	MONISHA B N	714	88.44
2	IKS22EC002	ADEEBA ISMATH	700	85.22
3	IKS22EC061	MANASA CHOWDARY	699	85.11

FIFTH SEMESTER

Sl. No.	USN	Name	Total Marks	Percentage
1	IKS21EC117	VIDYASHREE R	787	89.00
2	IKS21EC097	SRIPRIYA H G	780	86.63
3	IKS21EC077	RITHIKA M	773	84.88

SEVENTH SEMESTER

Sl. No.	USN	Name	Total Marks	Percentage
1	IKS20EC068	PREMA G	714	91.25
2	IKS20EC057	MEGHA SHREE M	711	91.00
3	IKS20EC002	ADITI DUBEY	700	89.63

EVEN SEMESTER 2024**FOURTH SEMESTER**

Sl. No.	USN	Name	Percentage
1	IKS22EC002	ADEEBA ISMATH	89.89
2	IKS22EC049	KEERTHANA K	87.78
3	IKS22EC067	MONISHA B N	86.33

SIXTH SEMESTER

Sl. No.	USN	Name	Percentage
1	IKS21EC097	SRIPRIYA H G	92.25
2	IKS21EC117	VIDYASHREE R	89.375
3	IKS21EC040	KUSUMA M S	87.13

EIGHTH SEMESTER

Sl. No.	USN	Name	Percentage
1	IKS20EC068	PREMA G	95.2
2	IKS20EC057	MEGHA SHREE M	93.4
3	IKS20EC002	ADITI DUBEY	92.6

NOSTALGIA



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