CHINTHANA MANTHANA

IN THIS EDITION

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THINK BEYOND IMAGINATION

VOLUME XVII

JAN-DEC 2023

VISION

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

MISSION

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

Sri. R. Rajagopal Naidu
President

Sri. R. Leela Shankar Rao
Hon. Secretary

Sri. T. Neerajakshulu Naidu
Treasurer

On behalf of the management of KS Institute of Technology, we are thrilled to know about the release of the newsletter, the 17th volume of our esteemed college newsletter. This publication stands as a proud reflection of the incredible achievements of our students and faculty across diverse arenas, including academics and sports. We extend our heartfelt congratulations to the editorial team for their dedication and meticulous effort in bringing this volume to life. Your hard work continues to inspire and elevate our institution's reputation. We wish the editorial team and all contributors the very best as we celebrate this milestone together. May this newsletter continue to shine brightly and inspire many more success stories.

MANAGEMENT COMMITTEE

Sitting from Left to Right

Sri.T.Neerajakshulu Naidu (Treasurer),Sri.S.Venugopal Naidu (Joint Secretary),
Sri .B.Lokanadha Naidu (Vice President),
Sri. R.Rajagopal Naidu (President),Dr.M.Rukmangada Naidu (Vice President),
Sri.R.Leela Shankar Rao (Hon.Secretary),
Sri. V. Rajendra Naidu (Joint Secretary), Sri.M.Yogamurthy (Internal Auditor)

Standing from Left to Right

Sri. V. Ramesh Kumar (Director), Sri. J.M.Chandra Shekar (Director), Sri. G.V. Ramesh (Director), Sri. T. N.Manjunath (Chairman, Environment Committee), Sri. D. Jagadish Kumar (Chairman,Transport Committee), Sri. N.Krishnama Naidu (Chairman, Hostel Committee),Sri. A.V.Nagaraj (Chairman,Building Committee), Sri. N.M.Krishnamurthy (Chairman,Finance Committee),Sri. G. Ramana Babu (Director), Sri. M. Sudhakar (Chairman,Legal Cell), Sri. P.Prabhakar Naidu (Director)

Dr. K V A Balaji
CEO

I am delighted to note that KSIT is bringing out the 17th Volume of its newsletter and the Editorial Team is committed in portraying all the activities held during the last academic year. All of us, who were fortunate enough to survive the pandemic, have not lost our spirit to carry forward the baton and keep doing the various curricular, co-curricular and extra-curricular activities that added a whole lot of values to our students. The new hope that has dawned on us has made it possible to cope up with every dimension of an academic institution. The activities held during the previous academic year is beautifully presented and being showcased in this newsletter.

I wholeheartedly congratulate the entire team of staff and students for all their efforts in keeping the flag of KSIT high and wish them the very best in all their academic endeavors.

Dr. Dilip Kumar K
Principal/Director

It is with immense pride and joy that we present to you the 17th volume of our college newsletter. This edition is a testament to the hard work, dedication, and excellence demonstrated by our students and faculty in various fields, including academics and sports. Each achievement featured here is a source of inspiration and a reminder of our collective commitment to excellence. I extend my heartfelt congratulations to all the contributors and achievers. May this newsletter continue to serve as a beacon of motivation and success for our entire community. Wishing you all continued success and many more accomplishments in the future.

THE DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

ABOUT THE DEPARTMENT :

Dr. Vijayalaxmi Mekali
Prof. & Head

The main focus of the department is to produce graduates with expertise in Machine Learning technology, and the department has adopted outcome-based education to help students to achieve this goal. The college is accredited by National Assessment and Accreditation Council (NAAC). The department provides numerous opportunities to students to interact with Industry Professionals and hone up their skills. This enables students to analyze real life problems and develop solutions for the same. The department has qualified, experienced & committed teaching faculty members with various specializations. Faculties have obtained Ph.D. degree from VTU affiliated institutes, and some faculties are pursuing Ph.D. provide qualitative level education. The dept encourages students to participate in intercollege events also conduct technical and non- technical events to enhance their teamwork, leadership and event management skills. Active professional bodies like CSI, ISTE, IEI, and IEEE help to conduct FDPs and workshops for the faculties to comprehend and upgrade to the latest technologies.

The Department of Artificial Intelligence and Machine Learning offers B.E program. The department formally was inaugurated on Oct 12, 2021. We have team of highly dedicated, committed and experienced teaching & supporting staff. All faculty members continuously monitor the overall development of the students through personal guidance, mentoring & Counselling. To empower the students with multi-dimensional skills, department conducts guest lecturesby well-known academia and industry persons. These lectures provide students the industry perspective and empowers them to think beyond regular course curriculum and possibly instil in them the concept to start on entrepreneurial journey.

The department continues to engage with industry in many ways.We do provide consultancy as well sign Memorandum of Understanding (MoU). The consultancy mechanism provides an opportunity to faculty to work on current real-life situations that required efficient technology solutions. The MoUs would enable our faculty and students to collaborate with industry to develop prototypes and engage in research to find practical workable solutions. Department has the students club "Aenfinity". Students are actively involved in organizing technical and non-technical activities under the club.

-Dr. Vijayalaxmi Mekali

VISION

- Harness student's creativity and self-belief to be successful global professionals with human touch.

MISSION

- Use experiential learning approach to empower students with fundamentals of theory and practice.
- Enable students to solve real life problems both at national and international level.
- To promote entrepreneurship among students to be job creators.

LATEST TECHNOLOGY:

Eco AI Device

Eco AI device by NXTSTIM works by blocking pain signal transmission from the peripheral nervous system to the central nervous system.NXTSTIM has announced 18- month data from a real-world study showing that its wearable transcutaneous electrical nerve and electromyographic stimulation device, EcoAI, can help relieve pain. The EcoAI device works by blocking pain signal transmission from the peripheral nervous system to the central nervous system. It has a pre-set choice of programs based on historical clinical data and evidence. It also uses artificial intelligence (AI) to record patient data and provide individualized patient neuro stimulation programmes. The patient places a gel pad on the body part where they feel pain. Then the patient can control the device via phone using Bluetooth. NEXSTIM electroceutical device can also serve as a remote patient monitoring tool. The EcoAI device has been cleared for use by the US Food and Drug Administration (FDA) as a remote monitoring device that delivers transcutaneous electrical nerve stimulation (TENS) and electrical muscle stimulation (EMS).

MEMORANDUM OF UNDERSTANDING:

The Department signed a Memorandum of Understanding with Rubixe a brand of Think and Innovations Private limited, Bangalore on 22nd September 2022 for collaborative R & D in the area of Artificial Intelligence and Machine Learning. The area of collaboration include setting up center of excellence in the college campus, plan and select innovative project ideas,prepare and conductvalue added courses for faculties and students, seminars andwebinars for faculties and students and providing student internship program. This MOU is valid from 22nd September 2022 to 22nd September 2025.

DEPARTMENT WELCOMES:

- Ms. Preetha KamathB, Assistant Professor
- Ms. Renuka Patil, Assistant Professor
- Ms. Poornima H N, Assistant Professor
- Ms. NanditaYamven, Assistant Professor

EVENTS ORGANISED BY THE DEPARTMENT

- ·The department of AIML in association with ISTE, hosted a workshop on "**Reinforcement Learning with Real-world Scenarios**", on Tuesday 6th of June 2023 between 10.30 am to 3.30 pm.

- ·The department of AIML along with the department of CSE and CSD, in association with ISTE, hosted a workshop on "**Building Computer Vision AI model**" on the 8th of February 2023.

- ·The department of AIML organized a technical talk on **"Effective Ways to prepare a Research Paper"**,by Dr. Deepa S R, Professor and Head, CSD and Dr. Amulyashree S, Assistant Professor, AIML on 25th November, 2023.

- ·The department of AIML in association with IIC, hosted a technical talk on **"AI AND INDUSTRY USE CASES SOLVED BY HPE"** on Thursday, 13th of January 2023 between 1.30 pm to 3.30 pm

- ·The department of AIML, organized a technical talk on **"Data Science and its Applications in Financial Sector"**, by Dr. Arunkumar Kannur, Chief Strategy Officer, CMR University, Bangalore, on 19th October, 2023.

- ·The department of AIML hosted a 6 hours workshop on **"IoT Ideathon"**, by Ms. Bhavani Sankari V, Trainer, Cranes Varsity, on 22nd November 2023.

EVENTS ATTENDED BY FACULTY-TEACHING:

- ·Ms. Usha C R, Assistant Professor has participated in FDP on Data Analytics and Visualization using Python based Free and Open Source Software organized by the Department of CSE, AMC Engineering College in collaboration with Free Software Movement Karnataka (FSMK) held on 10 and 11 November, 2023

- ·Ms. Lakshmi K K, Assistant Professor, has participated as a delegate in the Two Day National Seminar on "**Applications of Augmented Reality and Virtual Reality in Engineering**" held on 14th and 15th of September 2023.

- ·Dr. Amulyashree S, AssistantProfessor participated in one-week national level online FDP on '**Mathematics for Data Science and Machine Learning**' organized by the Department of Computer Science& Engineering, Gopalan College of Engineering and Management, Bangalore from 2nd January to 7th January, 2023.

PUBLICATIONS BY FACULTY:

- ·Ms. Roopa K Murthy, "**A Survey on Guidance System for People with Limited Visionor No Vision**", IARJSET International Advanced Research Journal in Science, Engineering and Technology, vol. 10, no. 12, pp. 162-169, 2023, Cross ref https://doi.org/10.17148/IARJSET.2023.10 1 221.

- ·Ms. Roopa K Murthy, "A SURVEY ON PLANTATION DATABASE", IARJSET International Advanced Research Journal in Science, Engineering and Technology, vol. 11, no. 1, 2024, Cross ref https://doi.org/10.17148/IARJSET.2024.11 1 14.

100% RESULT

SUBJECT CODE	SUBJECT	STAFF NAME
18AI744	Business Intelligence	Dr. Vijayalaxmi Mekali
18AI71	Advanced Artificial Intelligence	Ms. Roopa K Murthy
18ME751	Energy and Environment	Mr. Prasad K
21UHV49	Universal Human Values	Ms. Roopa K Murthy

ACHIEVEMENTS BY FACULTY:

- ·Ms. Sahana Sharma M, Assistant Professor was the VTU external DCS for VTU M Tech, MCA and MBA exams Jan- Feb-2023

- ·Dr. Vaneeta M, Professor, was the Session Chair for National Conference on Digital Technology and Engineering (NCDTE – 2023) on 28th April 2023.

- ·Ms. Anu Mathews, Assistant Professor was one of the Question Paper Setter for Operating Systems, BNM Institute of Technology, Bangalore.

ACHIEVEMENTS BY STUDENTS:

- ·Mr. Nithish Gowda K J was the runner for NISVAARTH – 2023 KSGI %K
- MARATHON organized by department of Electronics & Communication Engineering at K S Institute of Technology on 17th June 2023.

- ·Ms. Tanmayee R was the winner for the Gana Bajana event, ANANYA 2023

- ·Mr. Gurudeep R, participated in the National Integration Camp of the Ministry of Youth, Affairs and Sports. Govt of India organized by the Department of NSS held from 22-11- 2023 to 28-11-2023

- ·Mr. Gurudeep R, participated in the State Republic Day Parade Training Camp held from 14th to 26th January 2023 at Sri Dharmasthala Manjunatheshwara College of Ayurveda and Hospital, Hassan.

- ·Mr. Girish B H attended the NSS camp, participated in a blood camp, and is involved in the Creative & Art Club. He won a wall painting competition in the NSS camp.

- ·Ms. Thrykshari had done microlight flying in Zen Aircraft

DEPARTMENT OF COMPUTER SCIENCE & DESIGN ENGINEERING

ABOUT THE DEPARTMENT :

Dr. Deepa S R
Prof. & Head

The Department of Computer Science & Design offers B.E program. The department has well-qualified, knowledgeable, and dedicated faculty to provide qualitative, Industry tuned education to students. The department organizes various events like workshops, technical talks for students to interact with Industry Professionals and hone up their skills. This empowers them to think beyond regular course curriculum and possibly instill in them the concept to start on entrepreneurial journey.

Department staff and students are members of Professional bodies like ISTE, IEI, CSI & IEEE. The department club- Adroit encourages showcasing student's talent in programming, debugging, and teamwork and enhances their skills.

Dr Deepa S R

VISION

- "To create competent professionals in Computer Science and Engineering with adequate skills to drive the IT industry"

MISSION

- Impart sound technical knowledge and quest for continuous learning.
- To equip students to furnish Computer Applications for the society through experiential learning and research with professional ethics.
- Encourage team work through inter-disciplinary project and evolve as leaders with social concerns.

LATEST TECHNOLOGY:

Graphic design is the practice of composing and arranging the visual elements of a project. Good graphic art streamlines communication. The objective of graphic design is to convey or enhance a message. Graphic design can have many applications from road signs to technical schematics and reference manuals. It is often used in branding products and elements of company identity such as logos, colors, packaging , and text as part of advertising.It can be applied in advertising strategies, or it can also be applied in the aviation world or space exploration.

MEMORANDUM OF UNDERSTANDING

The Department signed a Memorandum of Understanding with Rubixe pvt Limited, Bangalore, on 25th Feb 2023 for providing student internship program from faculties/guides, training on Technologies, exposure and work on real time projects. This MOU is valid from 25th Feb 2023 to 31st December 2026.

DEPARTMENT WELCOMES

- Mrs. Surekha Byakod Assistant Professor
- Mrs. Sushma.A Assistant Professor
- Mr.Subhash Kumar S Assistant Professor
- Mrs Geeta Katti,Assistant Professor
- Mrs Sathya Sheela Assistant Professor
- Mrs Ammu Bhuvana Assistant Professor

EVENTS ORGANIZED BY THE FACULTY

- Workshop on Cyber safety conducted on 17-1-23 under CySeck (CYBER SECURITY, KARNATAKA), ADROIT CLUB. Resource person is Mr. NITESH SINHA, FOUNDER & CEO, SACUMEN Mr. JEEVESHA, DIRECTOR OF HR & OPERATIONS, SACUMEN.

- Workshop on BUILDING COMPUTER VISION AI MODEL on 8-02-2023 under ISTE, CSD Adroit Club ,Resource person is Mr. Varun Poladiya, Head Marketing, navan.ai , Bengaluru

- Industrial Visit to ISRO on 08-06-2023 , under Adroit club.

EVENTS ATTENDED BY FACULTY

- Dr Deepa S R Attended faculty development program on "FDP on Angular and Node JS, JSS Academy of Technical Education, Bengaluru. 2-11-23 to 4-11-23

- Surekha Byakod Attended 5 days faculty development program on "Introduction to python programming and its Applications" from 13 th to 17th March 2023.Organized by Visveswaraya Technological University VIAT muddenahalli ,Chikkaballapur.

- Surekha Byakod Attended 5 days faculty development program on "Artificial Intelligence and Data science in Image Analysis" from 13th Feb to 17th Feb 2023.

- Surekha Byakod has participated in 6 days faculty development program on "R Programming and Its Applications" from 27th march to 1st April 2023.

- Sushma A has participated in 6 days faculty development program on "R Programming and Its Applications" from 27th march to 1st April 2023.

- Sushma A, Attended faculty development program on "FDP on Angular and Node JS, JSS Academy of Technical Education, Bengaluru. 2-11-23 to 4-11-23

PUBLICATIONS BY FACULTY:

- Dr Deepa S,"Tamper Proof Air Quality Management System using Blockchain" International Journal of Advanced Computer Science and Applications (IJACSA), 2023, Vol. 14, No. 2, pp. 263-271 DOI http://dx.doi.org/10.14569/IJACSA.2023.0140232 (Scopus Indexed-Q3 and Web of Science (ESCI))

- Dr. Deepa .S.R "Tamper Proof Air Quality Management System using Blockchain International Journal of Advanced Computer Science and Applications (IJACSA), 2023, Vol. 14, No. 2, pp 263-271 Link:DOI : http://dx.doi.org/10.14569/IJACSA.2023.0140232 Journal Link:https://thesai.org/Publications/IJACSA Paper Link: https://thesai.org/Publications/ViewPaper?Volume=14&Issue=2&Code=IJACSA&SerialNo=32 Journal Scopus link:https://www.scopus.com/sourceid/21100867241

ACHIEVEMENTS BY FACULTY

- Dr. Deepa S R, Professor & HOD, recognized as Reviewer for International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE 2023) organized by Bellary Institute of Technology and Management, Ballari held on 29-30th April 2023

- Dr. Deepa S R, Professor & HOD, recognized as Reviewer for Fifth International Conference on Cognitive Computing and Information Processing (CCIP 2023) is being organized at JSS STU during 15th and 16th, December 2023, JSS Science and Technology University, Mysuru

- Dr. Deepa S R, Professor & HOD, recognized as Reviewer for IEEE International Conference on Recent Advances in Science & Engineering Technology (ICRASET) is being organized at BGS Institute of Technology, BG Nagar, Mandya, India, during 23rd and 24th November 2023.

- Dr. Deepa S R, Professor & HOD, recognized as Reviewer for International Conference on Evolutionary Algorithms and Soft Computing Techniques on (EASCT-2023) during 20-21, October 2023, RVITM, Bengaluru.

- Dr. Deepa S R, Professor & HOD, successfully completed her course on Online certification course to "Introduction to Data Science" by Simplilearn

- Surekha Byakod filed patent on "Automatic Recommendation system to overcome Depression in Dysfunctional Behaviour Using Machine Learning Techniques" date of application on 20-02-2023,in the field of invention field , Application ID:202341011358.

- Surekha Byakod completed 12 -weeks NPTEL course on " Accreditation And Outcome Based Learning during August 2023 to Nov 2023.

ACHIEVEMENTS BY STUDENTS

- Dhanush has won First prize in Marvel Quiz in university level on 15/7/2022.

- Kushal has won 2nd prize in Fashion show in SJBIT university on 21/6/2023.

TOPPER'S LIST 2023

ANAGHA SHASTRY
1KS21CG004

VARSHITHA SRIDHAR
1KS21CG055

DEPARTMENT OF COMPUTER AND COMMUNICATION ENGINEERING

ABOUT THE DEPARTMENT :

Dr . Chanda V. Reddy
Prof. & Head

On behalf of the department, I would like to commend our editorial team for their outstanding work in highlighting the talents, achievements, and milestones of our staff and students through the departmental newsletter. KSIT stands as a leading institute offering technical education with strong ethical values. Our CSE-CCE department focuses not only on academic excellence but also on the holistic development of our students by incorporating diverse teaching and learning methods. We believe in hands-on activities and experiential learning, providing numerous platforms to stimulate innovative and creative thinking among students. Our dedicated teaching and support staff are committed to helping students excel through a blend of traditional lectures, interactive sessions, and project-based learning. With the guidance of our experienced faculty, we empower a diverse community of students to nurture their abilities, transform their lives, and achieve excellence. We encourage students to engage in both curricular and extracurricular activities, fostering a well-rounded education that prepares them to become future leaders and industry-ready engineers, ready to face the competitive world.

VISION

- "To be an active part of developments happening in computer and communication engineering, driving interdisciplinary innovation and evolution of communication technology with ethical responsibilities."

MISSION

- To provide a dynamic and holistic education fostering expertise in hardware, software, and networking to meet the demands of the digital era.
- To promote a comprehensive learning environment that integrates theoretical knowledge with hands-on experience, nurturing students to become proficient engineers.
- To inculcate graduates with high social responsibility, right attitude, discipline and an inclination towards offering their professional expertise with ethics in serving the society

DEPARTMENT WELCOMES

- DR. CHANDA V REDDY , PROFESSOR AND HEAD
- MRS.SHASHIKALA.H.C , ASSISTANT PROFESSOR
- MRS. NAGA JYOTHI.T , ASSISTANT PROFESSOR

LATEST TECHNOLOGY

EMBEDDED SYSTEMS

An embedded system is a combination of computer hardware and software designed for a specific function. Embedded systems may also function within a larger system. The systems can be programmable or have a fixed functionality.

While embedded systems are computing systems, they can range from having no user interface (UI) -- for example, on devices designed to perform a single task -- to complex graphical user interfaces (GUIs), such as in mobile devices. User interfaces can include buttons, LEDs (light-emitting diodes) and touch screen sensing. Some systems use remote user interfaces as well.
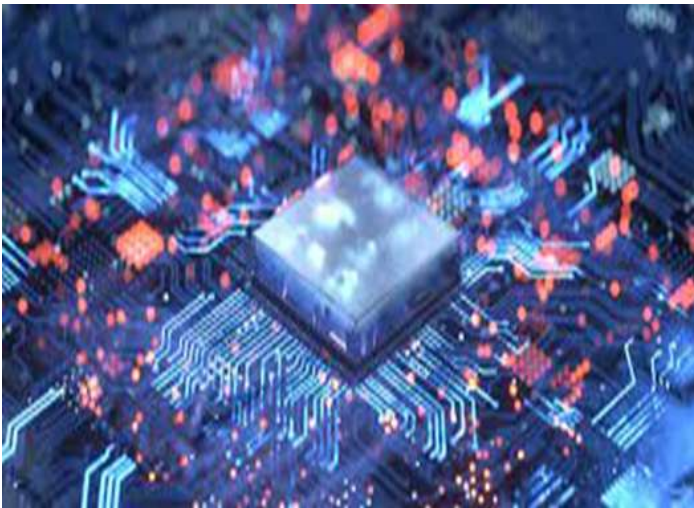
Embedded Systems are used in a wide range of technologies across an array of industries. Automobiles, Mobile phones, Industrial Machines, Medical equipment are the examples of embedded systems.

ARTIFICIAL INTELLIGENCE

Artificial intelligence is a field of science concerned with building computers and machines that can reason, learn, and act in such a way that would normally require human intelligence or that involves data whose scale exceeds what humans can analyze.
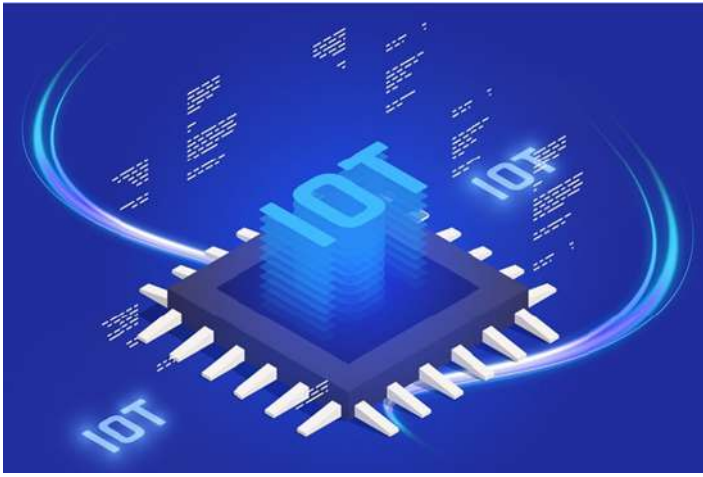

Artificial intelligence (AI), the ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings. The term is frequently applied to the project of developing systems endowed with the intellectual processes characteristic of humans, such as the ability to reason, discover meaning, generalize, or learn from past experience. Since their development in the 1940s, digital computers have been programmed to carry out very complex tasks—such as discovering proofs for mathematical theorems or playing chess—with great proficiency. Despite continuing advances in computer processing speed and memory capacity, there are as yet no programs that can match full human flexibility over wider domains or in tasks requiring much everyday knowledge.

On the other hand, some programs have attained the performance levels of human experts and professionals in executing certain specific tasks, so that artificial intelligence in this limited sense is found in applications as diverse as medical diagnosis, voice recognition and chatbots

INTERNET OF THINGS (IOT)

The Internet of Things (IoT) has experienced incredible growth, thanks to technological advancements and the surge in demand for instant insights into digital transformation solutions and activities.

The digitalization of things has drastically increase over the past few years and it has been made possible only because of cheap resources that are being made available to everyone so that each and every person can access these trends .But we cannot talk about digitalization without IoT. It's like a boon to technology and in today's era, no business can even grow without the implementation of IoT. Whether it's a Startup or a Big Multinational company, everyone is required IoT to outperform its competitors.

EVENTS CONDUCTED

- The Department of CSE-CCE organized TECHNICAL TALK on "BEYOND WIRES AND WAVES – INTERNET COMMUNICATION & NETWORKING PROTOCOLS DEMYSTIFIED" by Mr AKHIL MOHAN, Solution Architectat Akamai Technologies on 11.01.2024

- The Department of CSE-CCE organized ONE DAY INDUSTRIAL VISIT to Place of Visit: KTPO Convention Centre White field, Bengaluru, India for IoT TECH EXPO on 02.02.2024.

- The Department of CSE-CCE organized WORKSHOP on "VERILOG HDL" by Mr.PADMANABAN.K ,Software Enabling & Optimization Engineer , Intel Technologies on 18th and 19th Jan 2024

EVENTS ATTENDED BY FACULTY

- Dr.Chanda.V.Reddy , Professor &Head participated in 5 day faculty development program on "**Data Analytics with excel**" from 20/10/2023 to 1/12/2023.

- Mrs.Shashikala.H.C participated in a 5 days faculty development program on "**Data Analytics with excel**" from 20/10/2023 to 1/12/2023

- Mrs Shashikala.H.C participated in a 6 days faculty development program on "**Teaching Learning and OBE Concepts**" from 21/10/2023 to 27/10/2023.

- Mrs.Naga Jyothi.T participated in a 6 days faculty development program on "**Teaching Learning and OBE Concepts**" from 21/10/2023 to 27/10/2023

- Mrs.Naga Jyothi participated in a faculty development program on "**Research Symposium on Synergistic Innovations**"on 17/10/2023

INTERNATIONAL JOURNAL PUBLICATIONS:

- Dr. Chanda.V.Reddy "Wireless Notice Board Using Bluetooth HC-05 and Arduino Uno-R3 Indexed by Google Scholar, Mendeley" NAAS Accredited Science Journal ,UGC approved in year 2017, ISO 3297:2007 Certified Thomson Reuters ID I-8645-2017

- Dr.Chanda.V.Reddy "Reinforcing optimization enabled interactive approach for liver tumor extraction in computed tomography images" , International Journal of Electrical and Computer Engineering(IJECE)Vol. 13, No. 4, August 2023, pp. 4076~4086.ISSN: 2088-8708, DOI: 10.11591/ijece.v13i4.pp4076-4086

- Mrs.Shashikala.H.C , "Voice controller , Obstacle avoidance and metal detection car using Arduino" ,TIJER International Journal(ISSN:2349-9249).10(9),b180-b189,2023

ACHIEVEMENTS BY STUDENTS

- Brinda.S (USN:1KS22CM011) Secured Runner-up in Debate event held on STEM FIESTA 2K23 on 17-03-2023

- Mohammed Fahim (USN:1KS22CM030) & Dinesh Sharma (USN:1KS22CM015) & Karthik. Joshi (USN:1KS22CM024) received an appreciation certificate in recognition of outstanding and innovation demonstrated at JITHACK24 hosted by JYOTHI INSTITUTE OF TECHNOLOGY on 7th to 8th JUNE 2024.

- Vishnu Priya .G.S has participated in the 68th Junior National Ball Badminton Sports Complex Kankarbagh ,Patna, Bihar on 14/03/2024.

- Nithya.V (USN:1KS22CM035)participated in "NSS State Level Pre Republic Day Parade Selection Camp" 2023-2024 held at Agricultural Sciences, Bangalore from 11th to 13th October 2023.

- Dinesh Sharma.B Secured first place on discuss throw on Sports Day held at KSIT,Bangalore on 31-5-2024.

- Shreedhanya.M.S participated in NISVARRTH-2023 KSGI 5K MARATHON organized by department of ECE at K.S.I.T on 17-06-2023.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ABOUT THE DEPARTMENT :

Dr. Rekha B Venkatapur
Prof. & Head

The department has a team of highly experienced, committed and eminent faculty members. All the faculty members are well qualified and competitive enough in preparing the young minds for global competition with enormous support from the head of the department as well the management. Students of the CSE department are highly motivated and ready for IT Industry with hands-on experience in current technologies/programming languages. The department is accredited by NBA for three years (2021-2024). In VTU results students are getting ranks and are working with reputed companies with higher salary packages. The students are actively participating in Hackathon and other coding contests at the International, National and State level and making their footprints. In the year 2022 three teams from the CSE department won the Smart India Hackathon competition.

Our mission is to inculcate strong theoretical and practical knowledge for continuous learning and prepare students to find Computer solutions for society through research and entrepreneurship with professional ethics, encourage teamwork in inter-disciplines and evolve as leaders with social concerns. The Department of CSE is striving hard towards the goal of providing innovative and quality education with high standards to achieve academic excellence and provides a platform for the students to achieve their career goals. The students of the department are exposed to industry environment and they have high inclination towards entrepreneurship and research. A large number of alumni are pursuing higher studies/research in India as well as abroad in reputed universities. Staff and students are members of Professional bodies like IEEE, CSI, ISTE, BITES and IEI where the faculty members and students are encouraged to publish research papers in reputed journals, participate in Faculty Development Programs and workshops through a well-supported system. Several patents have been filed by the department faculty. The department preserves its achievements and publish its all activities by Bi-annual magazine 'CS-GYANBYTES'.

-Dr. Rekha B Venkatapur

VISION

- "To create competent professionals in Computer Science and Engineering with adequate skills to drive the IT industry"

MISSION

- Impart sound technical knowledge and quest for continuous learning.

- To equip students to furnish Computer Applications for the society through experiential learning and research with professional ethics.

- Encourage team work through inter-disciplinary project and evolve as leaders with social concerns.

MEMORANDUM OF UNDERSTANDING

- MOU between Rubixe and KSIT was signed on 22nd September 2022 providing Student Internship Programme from Faculties/Guides, Training on technologies, Exposure and work on real time projects with program titled **"Java Developer/ Software Associate/ React Developer"** and this MOU is valid from Sept. 2022 to Sept. 2025

DEPARTMENT WELCOMES

- Dr. Prashantha H S
- Dr. Pradeep Desai
- Dr. Kusuma T
- Dr. Sunitha Chalageri
- Dr. Senkamalavalli R
- Ms. Ramanjinamma
- Ms. Swapna S Bansode
- Mr. Abhilash L Bhat
- Ms. Shruthi T S
- Ms. Ramya R

LATEST TECHNOLOGY

Generative AI

Generative AI refers to a branch of artificial intelligence focused on creating new content that mimics human-like outputs in various forms, such as images, text, audio, and video. It operates by learning patterns and structures from large datasets, enabling machines to generate original content that is often indistinguishable from what humans can produce.

Generative AI models are typically composed of two neural networks:

1. **Generator**: This network tries to create new, realistic data that resembles the training data it was exposed to.

2. **Discriminator**: This network acts as a critic, evaluating the data generated by the generator and determining how realistic or fake it appears.
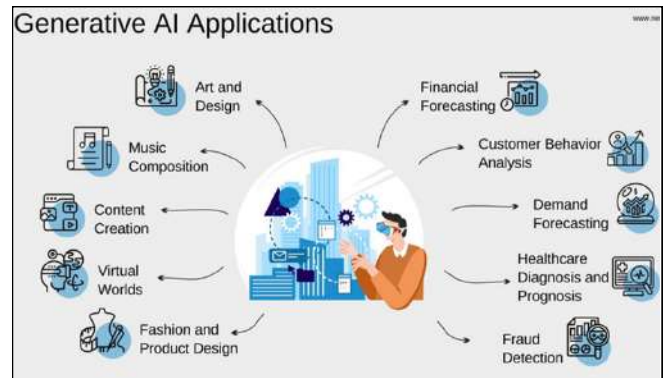
Generative AI and predictive AI represent two distinct approaches within the broader field of artificial intelligence. Generative AI focuses on creating original and novel content, while predictive AI aims to forecast future outcomes based on historical data patterns. Each approach has its unique applications and use cases, empowering different industries and domains.

By understanding the distinctions between generative AI and predictive AI, organizations and individuals can leverage the strengths of each approach to drive innovation, enhance creativity, and make informed decisions. As AI continues to evolve, the synergistic combination of generative and predictive techniques holds the potential to unlock new opportunities and shape the future of intelligent systems.

Skills for a Generative AI Career:

- Strong foundation in machine learning, deep learning, and probability (for research and engineering roles).
- Programming skills in Python and familiarity with deep learning frameworks(TensorFlow, PyTorch).
- Understanding of generative AI models (GANs, VAEs) and their capabilities.
- Data analysis and visualization skills can be helpful.
- Creativity, problem-solving abilities, and critical thinking are essential.
- Effective communication and collaboration skills are important for all roles.

EVENTS CONDUCTED

- The Department of Computer Science and Engineering Organized Seminar on "**Organic Farming and Benefits of Organic Farming**" on 19th December 2023.

- The Department of Computer Science and Engineering organized "**Technical Training & Project Exhibition**" on 1st December 2023.

- The Department of Computer Science and Engineering Organized "**Industrial Visit**", on 30th November 2023.

- The Department of Computer Science and Engineering in association with CSI Organized a Workshop on "**Image Processing with Open CV**" on 30th October 2023.

- The Department of Computer Science and Engineering Organized FDP on "**Teaching, Learning & OBE**" from 21st September to 27th September 2023.

- The Department of Computer Science and Engineering in association with CSI Organized GL on "**Online Tecktonik 1.6 Data Privacy**" on 7th September 2023.

- The Department of Computer Science and Engineering in association with Cyber Ninja Technologies Pvt. Ltd Organized Talk on "**Awareness about Overseas Opportunities**" on 17th August 2023.

- The Department of Computer Science and Engineering in association with ED Cell Organized Talk on "**Entrepreneurship - Venture Vision**" on 22nd August 2023.

- The Department of Computer Science and Engineering in association with CSI Organized.Mini Project Exhibition on "**CG & MAD Mini Project Exhibition**" on 10th July 2023.

- The Department of Computer Science and Engineering Organized Online Seminar on "**DevOps Career Opportunities**" on 21stJuly 2023.

- The Department of Computer Science and Engineering Organized Awareness about overseas opportunities by Mr. Arya Gaurav- Strategic Alliance Manager, Mr. Arshad Ahmed - Australia Destination Manager, Mr. Lokesh Narang - Canada Destination Manager and Mr. Mahesh - UK Counselor on 08th May 2023.

- The Department of Computer Science and Engineering Organized an event "**Futurforge**" consists Sentinel Hack 4.O (214 Participants, 55 Teams) by Dr. K N Subramanya, Principal RVCE during 04th May 2023 and 05th May 2023.

- The Department of Computer Science and Engineering Organized Project Exhibition and Paper Presentation by Dr. Shyam Vasudeva Rao, Founder and Director Forus Health, Renalyx Health System Pvt.Ltd was conducted on 28th April 2023 and 29th April 2023.

- The Department of Computer Science and Engineering Organized a Workshop on "**How to Manage Stress?**" was conducted by Dr. hallegere Murthy Scope Foundation Founder on 10th April 2023

- The Department of Computer Science and Engineering Organized a Workshop on "**OutCome Based Education - Awareness Program**" by Mr. Krishna Gudi , Asst. Professor, Dept. Of CSE , KSIT was conducted on 07th March, 2023.

Awareness Porgram for III Sem Students

- The Department of Computer Science and Engineering Organized Industrial Visit for III Sem Students (50 Students) in the event "**Open Day IISc Open Day**" on 4th March 2023.

- The Department of Computer Science and Engineering Organized Heritage walk during the event "**Janapada Loka**" on 27th February 2023 at Ramanagara District.

- The Department of Computer Science and Engineering Organized Quiz for 54 Participants College level **14th Edition of Engineering It Quiz - " TCS TechBytes 2023**" was conducted on 20th February 2023

- The Department of Computer Science and Engineering Organized a Workshop on "Entrepreneurship awareness Programme" was conducted by Mr. ANATH MALLYA, Founder and CEO Quantech Origin Sacumen on 15th February 2023.

- The Department of Computer Science and Engineering Organized a Workshop on "**Building Computer Vision AI Model**" was conducted by Mr. Varun Poladiya, Head of Marketing at NAVAN AI on 08th February 2023.

- The Department of Computer Science and Engineering Organized "**Guidance & Counseling on Higher studies in USA**" was conducted by Mr. Shashwat Bhaskar, The Product Manager Intel USA & Alumni of KSIT on 4th February 2023.

Awareness Program for selected students who are all interested to pursue higher studies

- The Department of Computer Science and Engineering Organized a Workshop for III SEM Students on "**CYBER SAFETY**" was conducted by Mr. Nitesh Sinha, Founder & CEO, Sacumen abd Mr. Jeevesha, director of HR & Operations, Sacumen on 17rd January 2023.

EVENTS ATTENDED BY FACULTY

- Mr. Raghavendrachar S attended a Training Program on "**VTU Consortium E-Resources**" at RNSIT on 5th December 2023.

- Dr. Sunitha Chalageri, Reviewer for "**IEEE Mysurucon 2023 – The 3rd Edition of the Flagship International Conference Series of IEEE Mysore Subsection**" organized by Malnad College of Engineering, Hassan on 1st and 2nd December 2023.

- Dr. Rekha B Venkatapur attended an Event on "**Insight from Leaders**" organized KSSEM, Bengaluru on 24th November 2023.

- Mr.Somasekhar T attended an Event on "**Insight from Leaders**" organized KSSEM, Bengaluru on 24th November 2023

- Ms.Namyapriya D attended an Event on "**Insight from Leaders**" organized KSSEM, Bengaluru on 24th November 2023.

- Dr. Rekha B Venkatapur attended Research Symposium on "**Synergistic Innovations**" organized RNSIT, Bengaluru on 17th November 2023.

- Dr. H S Prasantha attended PDP for "**Digital Design & Computer Organization (DDCO- BCS302)**" organized by Atria Institute of Technology from 7th to 9th November 2023.

- Mr.Roopesh Kumar B N attended PDP for "**Digital Design & Computer Organization (DDCO- BCS302)**" organized by Atria Institute of Technology from 7th to 9th November 2023.

- Mr. Krishna Gudi attended PDP for "**Digital Design & Computer Organization (DDCO- BCS302)**" organized by Atria Institute of Technology from 7th to 9th November 2023.

- Mr.Abhilash L Bhat attended PDP for "**Digital Design & Computer Organization (DDCO- BCS302)**" organized by Atria Institute of Technology from 7th to 9th November 2023.

- R Senkamalavalli attended a FDP on "**Artificial Intelligence and its Applications in Communication, Signal Processing, Image Processing and Computing Applications**" at CMRIT, Bangalore from 6th to 10th November 2023.

- Mrs.Shruthi T S attended a FDP on "**Artificial Intelligence and its Applications in Communication, Signal Processing, Image Processing and Computing Applications**" at CMRIT, Bangalore from 6th to 10th November 2023.

- Mr.Harshavardhan J R attended a FDP on "**VTU Angular JS and Node JS**" at JSSATE, Bangalore from 2nd to 04th November 2023.

- Mr.Laxmikantha K attended a FDP on "**VTU Angular JS and Node JS**" at JSSATE, Bangalore from 2nd to 04th November 2023.

- Mrs. Swapna S Banasode attended a FDP on "**VTU Angular JS and Node JS**" at JSSATE, Bangalore from 2nd to 04th November 2023.

- Dr.Sunitha Chalageri attended a FDP on "**Recent Angular JS and Node JS**" at SVCE, Bangalore from 16th to 20th October 2023.

- Mr.Harshavardhan J R attended a FDP on "**VTU Angular JS and Node JS**" at SVCE, Bangalore, from16th to 20th October 2023.

- R Senkamalavalli attended a FDP on "**IoTs and Sensor Networks**" at NITTTR, Chandigarh, from 9th to 13th October 2023.

- Dr. Sunitha Chalageri attended a FDP on "**Recent Trends in Deep Learning & Large Language Models**" at IIT, Roorkee, Electronics & ICT Academy, from 9th to 13th October 2023.

- Mr. Harshavardhan J R attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Dr. Ganga Holi attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Dr. Sunitha Chalageri attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Mr. Sanjoy Das attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Mrs. Rashmi H attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Mr. Laxmikantha K attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Ms. Namyapriya D attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Mrs. Ramanjinamma G attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Mrs. Swapna S Banasode attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Mrs.Ramya R attended a FDP on "**Teaching Learning & OBE Concepts**" at KSIT, Bangalore from 21st to 27th September 2023.

- Mr. Kumar K Participated in "**INUP-i2i Nano Hackathon Innovative Solutions for Societal Problems through Nanotechnology**" at IIT, Kharagpur on 25th September 2023.

- Mr. Krishna Gudi Participated in "**INUP-i2i Nano Hackathon Innovative Solutions for Societal Problems through Nanotechnology**" at IIT, Kharagpur on 25th September 2023.

- Mr. Prashanth H S Participated in "**INUP-i2i Nano Hackathon Innovative Solutions for Societal Problems through Nanotechnology**" at IIT, Kharagpur on 25th September 2023.

- Mrs. Rashmi H attended a FDP on "**Applications of Augmented Reality and Virtual Reality in Engineering**" at KSSEM, Bangalore from 14th and 15th September 2023.

- Mr. Laxmikantha K attended a FDP on "**Applications of Augmented Reality and Virtual Reality in Engineering**" at KSSEM, Bangalore from 14th and 15th September 2023.

- Mrs. Ramya attended a FDP on "**Applications of Augmented Reality and Virtual Reality in Engineering**" at KSSEM, Bangalore from 14th and 15th September 2023.

- Dr.Kusuma T attended a FDP on "**Full Stack Application Development with MS Azure Cloud under TechSaksham**" at Microsoft, SAP, AICTE, from 4th and 9h September 2023.

- Dr. Vijayalaxmi Mekali Article Reviewer for "**Conference on Networks, Multimedia and Information Technology (NMITCON)**" at NITTE on 1st and 2nd September 2023.

- Dr. Kusuma T attended a FDP on "**Advances in Machine Learning, Image Processing and Natural Language Processing**" at Nagaland University from 16th to 21st August 2023.

- Dr. Sunitha Chalageri attended a FDP on "**Advances in Machine Learning, Image Processing and Natural Language Processing**" at Nagaland University from 16th to 21st August 2023.

- Mrs. Shruthi T S attended a FDP on "**Advances in Machine Learning, Image Processing and Natural Language Processing**" at Nagaland University from 16th to 21st August 2023.

- Dr. H S Prasantha attended Workshop on "**IEEE INDISCON** – 2023" at GSSS Institute of Engineering & Technology for Women on 5th to 7th August 2023.

- Mr. Krishna Gudi attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Mr.Somasekhar T attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Mrs.Pallavi K N attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Mrs.Kavya M S attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Mrs.Pallavi R attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Mr.Laxmikantha K attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Ms.Namyapriya D attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Mrs.Swapna S Banasode attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Mr.Abhilash L Bhat attended a FDP on "**IP Incubation and Startups**" at KSIT, Bangalore from 3rd to 8th August 2023.

- Mrs. Pallavi K N completed 12 weeks Faculty Development Programme on "**The Joy of Computing using Python**" organized by NPTEL-AICTE from Jan – April 2023

- 1. Mr. Sanjoy Das attended Five Days Faculty Development Programme on "Recent Advancements in Data Intelligence and its Applications" jointly organized by Jyothy Institute of Technology and Visvesvaraya Technological University from 24th April – 28th April 2023.

- Mrs. Swapna Subhash Banasode attended Five Days Faculty Development Programme on "Recent Advancements in Data Intelligence and its Applications" jointly organized by Jyothy Institute of Technology and Visvesvaraya Technological University from 24th April – 28th April 2023.

- Mr. Abhilash L Bhat attended Five Days Faculty Development Programme on "Recent Advancements in Data Intelligence and its Applications" jointly organized by Jyothy Institute of Technology and Visvesvaraya Technological University from 24th April – 28th April 2023.

- Mr. Kumar K attended Five Days Workshop on "National Education Policy for Skill India and Data Analytics and Cloud Computing" organized by City Engineering College in Collaboration with Institution of Engineers (India) & Edunet Foundation & EYGDS(London) from 10th April – 15th April 2023.

- Dr. Vijayalaxmi Mekali attended Six Days Faculty Development Programme on "R Programming and its Applications" organized by Department of Computer Science and Engineering, K S Institute of Technology from 27th March - 1st April 2023.

- Mrs. Rashmi H attended Six Days Faculty Development Programme on "R Programming and its Applications" organized by Department of Computer Science and Engineering, K S Institute of Technology from 27th March - 1st April 2023.

- Mrs. Namyapriya Dayananda attended Six Days Faculty Development Programme on "**R Programming and its Applications**" organized by Department of Computer Science and Engineering, K S Institute of Technology from 27th March - 1st April 2023.

- Mrs. Ramanjinamma attended Six Days Faculty Development Programme on "**R Programming and its Applications**" organized by Department of Computer Science and Engineering, K S Institute of Technology from 27th March - 1st April 2023.

- Mr. Kushal Kumar B N attended Five Days Faculty Development Programme on "**Intellectual Property Rights, Patents and Trademarks**" organized by Department of Computer Science and Engineering, DSATM from 13th February – 17th February 2023.

- Mrs. Pallavi R attended Five Days Faculty Development Programme on "**Artificial Intelligence and Data Science in Image Analysis**" organized by Department of Electronics and Communication Engineering, CMR Institute of Technology from 13th February – 17th February 2023.

- Dr. Rekha B Venkatapur attended Five Days Faculty Development Programme on "**Importance of Data Science in Machine Learning and its Applications**" organized by Department of Computer Science and Engineering and Information Science and Engineering, R V Institute of Technology and Management from 6th February - 10th February 2023.

- Mrs. Beena K attended Five Days Faculty Development Programme on "**Importance of Data Science in Machine Learning and its Applications**" organized by Department of Computer Science and Engineering and Information Science

- and Engineering, R V Institute of Technology and Management from 6th February - 10th February 2023.

- Mrs. Pallavi K N attended Five Days Faculty Development Programme on "**Importance of Data Science in Machine Learning and its Applications**" organized by Department of Computer Science and Engineering and Information Science and Engineering, R V Institute of Technology and Management from 6th February - 10th February 2023.

- Mrs. Supreetha Ganesh attended Five Days Faculty Development Programme on "**Importance of Data Science in Machine Learning and its Applications**" organized by Department of Computer Science and Engineering and Information Science and Engineering, R V Institute of Technology and Management from 6th February - 10th February 2023.

- Mrs. Kavya M S attended Five Days Faculty Development Programme on "**Importance of Data Science in Machine Learning and its Applications**" organized by Department of Computer Science and Engineering and Information Science and Engineering, R V Institute of Technology and Management from 6th February - 10th February 2023.

PUBLICATIONS BY FACULTIES

- Dr. Kusuma T "**Survey on Multi-Model Medical Image Fusion**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56694 Page No:1126-1131.

- Dr. Prashanth H S, "Galactical Image Detection And Identification – A Survey Report" International Journal OF Creative Research Thoughts (IJCRT) Volume:11 Issue:11 November -2023 ISSN:2320-2882 Impact Factor value:7.97 UGC approved journal no:49023 (18) Paper Id:IJCRT2311613 Registration id:247004 Page No:f212-f222.

- Dr. R Senkamalavalli "**Restoration of Obscured Images**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56682 Page No:1107-1111

- Mr. Roopesh Kumar B N, "**Automated Dashboard for AWS Services Monitoring**" International Journal forResearch in Applied Science and Engineering Technology IJRASET)Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56690 Page No:1386-1391.

- Mr.Roopesh Kumar B N, "**Advancements in Grain Adulteration Detection and Quality Assessment –A Survey**" International Journal forResearch in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.429 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56673 Page No:1042-1050.

- Mr. Kumar K, "**A Survey on Deep Learning Technique for Sugarcane Disease Detection**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56727 Page No:1298-1303.

- Mr. Kumar K "**Intuitive Perception – Speech Recognition using Machine Learning**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56672 Page No:1036-1041.

- Mr.Raghavendrachar S, "**Predicting Pancreatic Cancer using AIML Techniques**" International Journal forResearch in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56641 Page No:958-964.

- Mr.Raghavendrachar S "**E-Learning Management System with AI assistance**" International Journal forResearch in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894IC Value : 45.98 DOI:10.22214/IJRASET.2023.56730 Page No:1234-1238.

- Mr. Krishna Gudi "**A Comprehensive Review of ECG-Based sleep Apnea Detection**" International Journal forResearch in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894IC Value : 45.98 DOI:10.22214/IJRASET.2023.56895 Page No:1650-1655.

- Mr. Krishna Gudi "**A Smart Device with Hand Gesture using Webcam**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value: 45.98 DOI:10.22214/IJRASET.2023.56691 Page No:1117-1121

- Mr. Somasekhar T "**Survey on Air Pollution in India: Insights. Predictions and Mixed Gas Analysis for an Improved Future**" International Journal for Research in Applied Science & Engineering Technology, DOI: 10.22214, Paper Id : IJRASET56770, Vol 11, Issue XI, Nov 2023, ISSN: 2321-9653

- Mr.Prashanth H S, "**Unusual Event Detection**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.57046 Page No:2356-2359.

- Mr. Prashanth H S "**Prime-Grade Assessment of Tomato Fruit**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value: 45.98 DOI:10.22214/IJRASET.2023.56725 Page No:1451-1454.

- Mrs. Rashmi H "**Sign Explainer: AI – Enabled Sign Language Recognition**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56708.

- Mrs. Pallavi R "**A survey on Yoga Posture Correction**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56700 Page No:1333-1335.

- Mrs. Pallavi R "**A Survey on : Legal Chain Vault Using Blockchain**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11Issue: 11, November 2023ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56911 Page No:1973-1977.

- Dr. Prasantha H S, "A Computer Aided Tool for Detection And 3D Visualization Of Brain Tumor In Human Brain", Q3: HTL Journal, Vol 29, Issue 9, Sep 2023.

- Mr. Laxmikantha K "**A Survey on Alzheimer's Disease Recognition in MRI Images Deep Learning Approach**" Journal For Research in Applied Science and Engineering Tec hnology. Paper Id : IJRASET56848, November 2023, ISSN : 2321-9653

- Mrs. G Ramanjinamma "**A Survey on Campus Companion**" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56658 Page No:1019-1021.

- Mrs. Swapna Subash Banasode "**Cyber Bullying**" International Journal for Research in Applied Science and Engineering Technology (IJRASET)Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56676 Page No:1057-1060

- Mr. Abhilash L Bhat "**CNN Based Facial Recognition with Age Invariance**" International Journal forResearch in Applied Science and Engineering Technology (IJRASET) Volume:11Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56680 Page No:1061-1065.

- Dr. Rekha B Venkatapur "**Review of Applications to assist Legal issues related to Cyber Crimes**", International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 10, October 2023, ISSN (O) 2393-8021, ISSN (P) 2394-1588

- Mr.Sanjoy Das "**Augmented Reality Applications In Education : A Comprehensive Review**" International Advanced Research Journal in Science, Engineering and Technology (IARJSET) Volume: 10 Issue: 10|October 2023 ISSN (O): 2393-8021 ISSN (P):2394-1588 Impact Factor value: 8.066 DOI:10.17148/IARJSET.2023.101013 Paper ID:IJRASET51768 Page No:112-116.

- Mrs. Pallavi K N "**Contextual AI Transformer: A New Chapter in Higher Education**" International Advanced Research Journal in Science, Engineering and Technology (IARJSET) Volume: 10Issue: 10|October 2023 ISSN (O): 2393-8021 ISSN (P):2394-1588 Impact Factor value: 8.066 DOI:10.17148/IARJSET.2023.101013 Paper ID:IJRASET51768 Page No:91-94

- Dr. Rekha B Venkatapur "**Land Registration Technology using Block Chain Technology**", Q3: HTL Journal, Vol 29, Issue 9, Sep 2023.

- Dr. R Senkamalavalli, "**Analysis of Artificial Intelligence Developments and Their Impacts on Cyber Security**", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, UGC Journal No: 64718, Impact Factor- 7.254, Vol – 9, Issue – 9, August 2023.

- Dr. R Senkamalavalli, "**Traffic Aware Routing with Round Technique for Equating the Load in Software Defined WSN**", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, UGC Journal No: 64718, Impact Factor- 7.254, Vol – 9, Issue – 9, August 2023.

- Dr. Prasantha H S, "**Disease Index Determination of Arecanut Plantation using Hyperspectral Imaging**", Jounal of Xidian University, UGC Approved Group 2 Journal, Imapact Factor: 5.4, Vol 17, Issue 11, 2023.

- Dr. Sunita Chalageri "**Online Smart Voting System Using Biometric Facial and Fingerprint**" Journal of Xidian University(JXU) Volume:17 Issue:11, 2023 ISSN No: 1001-2400 Impact Factor value: 5.4 DOI:10.37896/jxu17.11/068 ISO: 1001-2400 Certificate Id:JXU-R9713 Page No:773-779 Scopus Journal.

- Mrs. Pallavi R, "**Human Illness Classification Using Ayurvedic Tongue Diagnostic System**" Q4: Scopus, UGC Approved, Journal of Xidian University, DOI: 10.37896/jxu17.11/055, ISSN No: 1001 – 2400, Vol 17, Issue 11, 2023.

- Ms. Namyapriya D, "**Human Illness Classification Using Ayurvedic Tongue Diagnostic System**" Q4: Scopus, UGC Approved, Journal of Xidian University, DOI: 10.37896/jxu17.11/055, ISSN No: 1001 – 2400, Vol 17, Issue 11, 2023.

- Ms. Namyapriya D, "**A Contemplating Survey on Diverse Recommender Systems**" Scopus Journal, UGC Approved, Journal of Xidian University, DOI:10.37896/jxu17.11/057, ISSN No: 1001-2400, Vol 17, Issue 11, 2023, Page No 630-634.

- Dr. Rekha B Venkatapur "**A comparative study on different Video Compression Standards: characteristics, working mechanism, performance analysis and applications**", High Technology Letters, ISSN NO : 1006-6748, Volume 29, Issue 7, 2023, May 2023.

- Mr. Laxmikantha K "**Food Adulteration Detection & Sorting Solution through Machine Learning**" International Advanced Research Journal in Science, Engineering and Technology ISO 3297:2007 Certifiedï Impact Factor 8.066ïPeer-reviewed / Refereed journalï Vol. 10, Issue 4, April 2023 DOI:10.17148/ IARJSET. 2023.10429, ISSN (O) 2393-8021, ISSN (P) 2394-1588

- Dr. Rekha B Venkatapur "**Traffic Controlling in Smart Cities**",The Second Interantional Conference on Artificial Intelligence, Compuational Electronics and Communication Engineering, Manipal Institute of Technology, Manipal, 16th -17thFebruary 2023

- Mr. Somasekhar T "**A Two- Stage Convolutional Neural Network for Lung Nodule Detection**" IARJSET, Vol 10, Issue 2, February 2023, DOI:10.17148/IARJSET.2023.10218 ISSN (ONLINE) 2393-8021, ISSN (PRINT) 2394-1588

- Mr. Somasekhar T "**Identification of Medicinal Plants by Image Processing of Leaf Samples**" International Research Journal of Modernization In Engineering Technology And Science (IRJMETS), Vol 05, Issue 02, February 2023, e - ISSN 2582-5208, February 2023.

- Dr. Rekha B Venkatapur "**Survey on Institution Accreditation and Automation System**", IJARCCE, International Journal Of Advanced Research In Computer And Communication Engineering Volume 12, Issue 1, January 2023 DOI: 10.17148/IJARCCE.2023.12109

- Dr. Prasantha H S, "**A Computer Aided Tool for Detection And 3D Visualization Of Brain Tumor In Human Brain**", Q3: HTL Journal, Vol 29, Issue 9, Sep 2023.

- Mr. Raghavendrachar S "**Survey on Autoencoder Based Detection Of Nutritious Leaves**" International Journal Of Advanced Research in Computer and Communication Engineering (IJARCCE), Volume 12, Issue 1, January 2023 DOI: 10.17148/ IJARCCE.2023.12132, Certificate# IJARCCE/2023/6-2

- Mr. Laxmikantha K "**Survey on Food Adulteration for Toor Daal**" International Advanced Research Journal in Science, Engineering and Technology ISO 3297:2007 Certifiedï Impact Factor 7.12ïVol. 10, Issue 1, January 2023 DOI: 10.17148/IARJSET.2023.10136, ISSN (O) 2393-8021, ISSN (P) 2394-1588.

ACHIEVEMENTS BY FACULTY

PAPER REVIEWER

- Dr. Rekha B Venkatapur, Reviewer of "**5th International Conference on Cognitive Computing and Information Processing**" held at JSSATE, Mysore on 15th and 16th December 2023.

- Dr. Deepa S R, Reviewer of "**5th International Conference on Cognitive Computing and Information Processing**" held at JSSATE, Mysore on 15th and 16th December 2023.

- Dr. Sunitha Chalageri, Reviewer of "**IEEE Mysurucon 2023 – The 3rd Edition of the Flagship International Conference Series of IEEE Mysore Subsection**" held at Malnad College of Engineering, Hassan on 1st and 2nd December 2023.

- ·Dr. H S Prasantha, Reviewer of "**First IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS- 2023)**" held at Sharnbasva University, Kalaburagi on 24th and 25th November 2023.

- Dr. H S Prasantha, Reviewer of "**IEEE NKCon – 2023**" held at KLE Technological University on 19th and 20th November 2023.

- Dr. H S Prasantha, Reviewer of "**International Conference on Evolutionary Algorithms and Sof Computing Techniques (EASCT – 2023)**" held at RVITM, Mysore on 20th and 21st October 2023.

- Dr. H S Prasantha, Reviewer of "**IEEE INDISCON – 2023**" held at GSSS Institute of Engineering & Technology for Women from 05th to 7th August 2023.

- **Dr. Vijayalaxmi Mekali, Article Reviewer of "IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON)"** held at NITTE on 01st and 2nd September 2023.

MENTOR

- ·Dr. Prashantha H S mentored "**IEEE India Council**" held Online from 1st October to 30th November 2023.

- ·Dr. Prashantha H S mentored "**ME-UYR Program**" held Online on 18th September 2023.

PATENTS BY FACULTY

- · Dr. H S Prasantha, Title of Invention "**An Approach for Segmenting Hyperspectral Images Using Supervised Classifiers Techniques**", Patent Office Government of India, applied on 21st December 2023 with IPR No. 202341087784 A.

- Dr. H S Prasantha, Title of Invention "**Performance Analysis of Soft Computing Approaches for Hyperspectral Image Classification**", Patent Office Government of India, applied on 21st December 2023 with IPR No. 202341087783 A.

- Dr. Sunita Chalageri, Title of Invention "**Artificial Intelligence Based Smart Level Crossings Systems to Detect Dangerous Situations in Level Crossing Environments in Both Road and Railway Safety using Video Surveillance System and Deep Learning Algorithms**", Patent Office Government of India, applied on 21st October 2023 with IPR No. 202341072105 A.

- Dr. H S Prasantha, Title of Invention "**Agricultural Drone for Crop Health Monitoring**", International UK Design Patent, applied on 21st August 2023 with IPR No. 202341075847A.

- Dr. H S Prasantha, Title of Invention "**Design and Performance Analysis of Novel Approach for Image Compression using Modified Singula Value Decomposition**", Patent Office Government of India, applied on 11th July 2023 with IPR No. 6302803.

- Dr. H S Prasantha, Title of Invention "**A Novel Analysis Approach for Image Scaling using Interpolation Techniques Compared with Nearest Neighbor and Bilinear Interpolation Methods**", Patent Office Government of India, applied on 11th July 2023 with IPR No. 202341075847A.

- ·Mr. Krishna Gudi, Title of Invention "**SIGMAKGSOFT - A Six Sigma-Integrated Software Development Methodology**", Patent Office Government of India, applied on 9th March 2023 with IPR No. 202341059028.

- ·Mr. Krishna Gudi, Title of Invention "**An AI-Enhanced Requirements Engineering System**", Patent Office Government of India, applied on 9th March 2023 with IPR No. 202341059029.

- ·Mr. Krishna Gudi, Title of Invention "**An AI-Enhanced Software Development System**", Patent Office Government of India, applied on 9th March 2023 with IPR No. 202341059030.

ACHIEVEMENTS BY STUDENTS

- Gagan Shivanna, Aditya V, Chaitra M, Arjun Bharadwaj, Suman B S and Karthik H N under the guidance of Mr. Roopesh Kumar B N and Mr. Krishna Gudi, Winners of the event "**Smart India Hackathon, 2023**" organized by Ministry of Education, MoE's Innovation Cell, AICTE, MHIRD on 19th and 20th December 2023.

- Trupthi G B, Runner-up of the event "**Table Tennis (Women) Bangalore South Division**" organized by JSSATE under VTU on 12th and 13th July 2023.

- ·TNS India Foundation conducted Tech Competition '**The Coding Rangers**' Conducted on the occasion of '**The National Youth Day**' on 12th Jan 2023 – Runner up Prize won by KSIT CSE Team Aakriti- 1KS19CS001 Indrajit- 1KS19CS036 Tanushree –1KS19CS101Ashika H N – 1KS19CS016 Thriveni U – 1KS19CS107 Kavyashree S L – 1KS19CS042 Varsha Bai R - 1KS19CS110

STUDENT ENABLEMENT PROGRAM

- ·**Paypal** in association with **ICT Academy** has come forward to train 110 girl students of final year CSE and ECE and the training started from 16th March 2023. It is a CSR initiative of Paypal for Women Empowerment. The topics to be covered are AWS Cloud, Networking and Soft skill training. CSE department 7th semester girl students took part in this TECHNICAL TRAINING (Date of Conduction: 20th March 2023 – 05th April 2023) No. of Days: 15 Days training Program. **SOFT SKILLS TRAINING** Date of Conduction: 10 th April 2023 – 15 th April 2023 No. of Days: 05 Days Time: 09 am to 04 pm Duration: 6 hours/day.

100% RESULTS

VIII SEMESTER		
SUBJECT CODE	SUBJECT	STAFF NAME
18CS822	Storage Area Networks	Mr. Harshavardhan J R
18CS81	Internet Of Things	Mr. Krishna Gudi
18CS822	Storage Area Networks	Mr. Roopesh Kumar B N

VI SEMESTER

SUBJECT CODE	SUBJECT	STAFF NAME
18CS62	Computer Graphics and Visualization	Mr. Nagabushan Pandarinath
18CS62	Computer Graphics and Visualization	Mrs. Kavya M S
18CS63	Web Technology and its Applications	Mr. Raghavendrachar S
18CS63	Web Technology and its Applications	Mrs. Pallavi K N
18CS645	System Modelling and Simulations	Dr. Rekha B Venkatapur
18ME653	Supply Chain Management	Mr Rajesh G L
18CS643	Cloud Computing	Mrs. Supreetha Ganesh
18CS643	Cloud Computing	Mrs. Namyapriya D

IV SEMESTER

SUBJECT CODE	SUBJECT	STAFF NAME
21CS41	Mathematical Foundations for Computing	Mr. Naveen V
21CS42	Design and Analysis of Algorithms	Mr. Kushal Kumar B N
21CS44	Operating Systems	Dr. H S Prasantha
21BE45	Biology for Engineers	Dr. Shobha G

VII SEMESTER

SUBJECT CODE	SUBJECT	STAFF NAME
18CS71	Artificial Intelligence and Machine Learning	Dr. Pradeep Desai, Mrs. Shruthi T S, Dr. Kusuma T
18CS72	Big Data Analytics	Dr. R Senkamalavalli
18CS734	User Interface Design	Mrs. Pallavi K N
18CS744	Cryptography	Mrs. Kavya M S, Mrs. Pallavi R
18ME751	Energy and Environment	Dr. Nagaprasad K S, Mr. Harish U

TOPPERS

VIII SEMESTER		
USN	NAME	PERCENTAGE
1KS19CS011	Amrutha K H	93.20%
1KS19CS085	Satish V	93.20%
1KS19CS055	93	92.60%

VI SEMESTER		
USN	NAME	PERCENTAGE
1KS21CS003	Abhilasha V	92.63%
1KS21CS099	Suman B S	92.25%
1KS21CS082	Reddy Tejaswini A	91.63%

VI SEMESTER		
USN	NAME	PERCENTAGE
1KS20CS076	Pradhyumna K	91.13%
1KS20CS074	Poojitha Y	90.13%
1KS20CS023	Dhanya Sharanya Shree R	89.63%

| VI SEMESTER		
USN	NAME	PERCENTAGE
1KS20CS041	Jahnavi P	89.86%
1KS20CS017	Brunda B	89.43%
1KS20CS023	Dhanya Sharanya Shree R	89.14%
1KS20CS088	Sanket Ganapati Hegde	89.14%

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

About the Department:

Dr. P N Sudha
Dean-Academics.
Prof. & Head

On behalf of the department I would like to congratulate our department editorial team for their excellent effort in showcasing the talent, achievements and milestones achieved by our staff and students through the departmental newsletter. Our ECE department not only concentrates on academic activities but also the overall personality development of students by organizing various activities to mould the personality of our students. Department believes handson activities and creates various platforms for students to kindle their innovative & creative thinking . KSIT is one of the pioneer institutes that provides 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 us 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 the competitive world. Our department believes in the quotes **" Tell me and I forget, teach me and I may remember, involve me and I learn. "**. We ignite passion towards learning in our students.
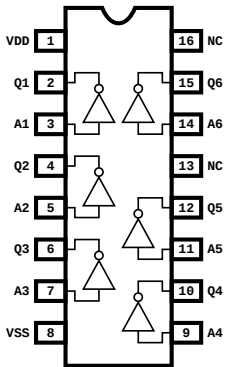
VISION:

- 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.

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.

DEPARTMENT WELCOMES:

- Mrs.Bhanumathi A   Asst. Professor
- Mrs.Kavya.B.M   Asst. Professor
- Mrs. Anita. A   Asst. Professor
- Mrs. Suma Santosh   Asst. Professor
- Ms. Amrutha.A   Asst. Professor
- Dr. Electa Alice Jayarani A   Asst.Professor
- Mr. Naveen Kumar .S   Asst. Professor
- Mrs. Priyadharshini Vasiramanickam   Asst. Professor
- Mrs. Radhika .T.S   Asst. Professor

LATEST TECHNOLOGY:

The Internet of things (IoT) describes devices with sensors, processing ability, software and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks. The Internet of things encompasses electronics, communication and computer science engineering. Internet of things has been considered a misnomer because devices do not need to be connected to the public internet, they only need to be connected to a network and be individually addressable.

The IoT can connect various manufacturing devices equipped with sensing, identification, processing, communication, actuation, and networking capabilities. Network control and management of manufacturing equipment, asset and situation management, or manufacturing process control allow IoT to be used for industrial applications and smart manufacturing. IoT intelligent systems enable rapid manufacturing and optimization of new products and rapid response to product demands.

There are numerous IoT applications in farming such as collecting data on temperature, rainfall, humidity, wind speed, pest infestation, and soil content. This data can be used to automate farming techniques, take informed decisions to improve quality and quantity, minimize risk and waste, and reduce the effort required to manage crops. For example, farmers can now monitor soil temperature and moisture from afar and even apply IoT-acquired data to precision fertilization programs. The overall goal is that data from sensors, coupled with the farmersknowledge and intuition about his or her farm, can
help increase farm productivity, and also help reduce costs

EVENTS CONDUCTED:

- The Department of Electronics and Communication Engineering organized ONE DAY INDUSTRIAL VISIT to Place of Visit: IMTEX- 2023 at BIEC, Bangalore by IETE, ISTE, IEEE on 24th Jan 2023.

- An Awareness talk has been organized on "Overcome of Harassment Challenges" by Ms.Lakshmi A N Rao,Advocate,Council Member,WICCI KAASH under the banner of KSIT-ASH, WICCI on 11th Feb 2023.

- The Department of Electronics and Communication Engineering organized a Motivational talk on "Embrace Equity" by Mrs.Kripa Venkatachalam,Cadence India Field Application Engineering in association with IEEE-KSIT,KSIT-ASH on 8th March 2023.

- The Department of Electronics and Communication Engineering organized an event on "Women's Day celebration 2023" for KSIT Teaching and Non-Teaching faculties in association with IEEE-KSIT,KSIT-ASH on 8th March 2023.

- The Department of Electronics and Communication Engineering organized Workshop on "Aero modelling & Hydro Rocketry" by Mrs. Vanamala A (Principal of SJRKPS) and Mrs. Prema R (Co Ordinator for high school) in association with IEEE,Garut club on 15th March 2023.

- The Department of Electronics and Communication Engineering organized a short term course on "Student Enablement Program for "Women Empowerment " by Mr.D.Vishnu Prasad,State Head Karnataka,ICT Academy ,AASHU DEV,AWS Academy Accredited Educator.MADHAN S,AWS Academy Accredited Educator.JAHIRAL BANU,Career Coach, Image Consultant, and Soft Skills trainer.SUSHMA SADALAGE,Soft Skills
- Trainer and International Coach in association with KSIT, Paypal,ICT Academy from 16th March 2023-Inaugural ,20th March to 5th April 2023.

- The Department of Electronics and Communication Engineering organized ONE-DAY WORKSHOP ON "Innovation and design thinking" by Dr Zoya Fathima , Associate Professor & HOD, Dept. of Civil Engineering BGS college of Engineering and Technology (BGSCET), Bengaluru in association with Antariksh club on 21st March 2023.

- The Department of Electronics and Communication Engineering organized a Six days workshop on "Python Programming & Its Applications" by Mr.Suresh Maha Rajashekar, in association with IETE,ISTE, IEEE,IE(I) on 27th March to 1st April 2023 .

- The Department of Electronics and Communication Engineering organized Seminar on "Career opportunities after Engineering" by Mr.Prateek Mishra,IMS GATE Academy in association with KSIT-ISTE,IE(I) on 21st April 2023.

- The Department of Electronics and Communication Engineering organized ONE DAY INDUSTRIAL VISIT to U R Rao Satellite Centre, Bangalore by Mr.Prateek Mishra,IMS GATE Academy in association with ISTE,IEEE,IETE,IE(I) on 28th April 2023.

- The Department of Electronics and Communication Engineering organized "Project Exhibition 2022-23" by Dr.Shyam Vasudeva Rao,Founderand Director Forus Health Renalyx Health System Pvt.Ltd in association with ISTE,IEEE,IETE,IE(I) on 29th April 2023.

- The Department of Electronics and Communication Engineering organized "SPS Day "by Mr.Harish Venugopal,Senior Program Manager,Car Audio Solutions,Harman International in association with IEEE-KSIT,WIE,SPS on 2nd June 2023.

- The Department of Electronics and Communication Engineering organized the **"National Conference on Recent Innovations in Engineering-NCRIE-2022"** with IEEE-KSIT, IETE, IEI, and ISTE on 23rd and 24th June 2022.

- The Department of Electronics and Communication Engineering organized " NISVARTH - 2023(5K Marathon)" by Dr.Dilip Kumar K,Principal/Director,Dr.P.N.Sudha,HOD-ECE in association with IEEE-KSIT,WIE,SPS on 17th June 2023.

- The Department of Electronics and Communication Engineering organized " Drug Awareness Program" by Sri.Siddaraju,Inspector Dept. Of Police, Thalaghattapura in association with KSIT-ASH,NSS on 26th June 2023.

- The Department of Electronics and Communication Engineering organized "5k Marathon" in association with KSIT-IEEE on 19th June 2023

- The Department of Electronics and Communication Engineering organized "Valedictory" in association with KSIT-IEEE SB on 2nd June 2023

- The Department of Electronics and Communication Engineering organized "SPS day" by Mr Harish VenuGopal in association with KSIT-IEEE on 2nd June 2023

- The Department of Electronics and Communication Engineering organized "Orphanage Visit" by Sampattu in association with KSIT- IEEE SB on 1st June 2023

- The Department of Electronics and Communication Engineering organized "Hacking Hardware" by Amsumanth and Gurushankara in association with Garut Club KSIT-IEEE on 221st -2nd July 2023

- The Department of Electronics and Communication Engineering organized "FDP- technical learning OBE" by Dr K Gopalakrishnan ,Principal, Jyothy IT, Bengaluru, Joy Prabhakar ,consultant, Dr Dilip Kumar, Principal, KSIT, Dr.Krishnamurti,Professor,IISC,Retd.,Dr.BhaskarS,Prof,KCT,Dr.Manjunath,Prof, CMRU, Dr.K V A Balaji, CEO ,KSGI , Dr.Shekhar H.S, Prof, KSSEM, Dr.Uma, Prof ,RNSIT, Dr.Swamy, Prof.KSSEM, Dr.Indiramma, Prof,BMSCE, Dr.Anandi,Prof,New Horizon, Dr.Jayagowri,Prof,BMSCE in association with KSIT IEEE SB,ISTE,IETE,IEI on 21st -27th September 2023

- The Department of Electronics and Communication Engineering organized "Medical Tacktail" by Examiners from Cytecare 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" is associated 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 "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 "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 "INNOVACEEEA" in association with KSIT IEEE SB on 9th December 2023

EVENTS ATTENDED BY FACULTY:

- Mr. Saleem S Tevaramani, Assistant Professor participated in a 3 days faculty development program on "The Key Enablers for Future Communication " organized by Vellore Institute of Technology Chennai from 26th March to 28th March 2023.
- Mr. Saleem S Tevaramani, Assistant Professor participated in a 5 days faculty development program on "Role of Communication Engineering in IoT / IOMT " organized by Vellore Institute of Technology Chennai from 3rd April to 7th April 2023.
- Mr. Saleem S Tevaramani, Assistant Professor participated in a 3 days faculty development program on "Exploring the Impact of Emerging Technologies in Future Networks and Systems" organized by Vellore Institute of Technology Chennai from 24th May to 26th May 2023.

- Mr. Saleem S Tevaramani, Assistant Professor participated in a 5 days faculty development program on "Exploring the Scope of Engineering Mathematics in Control Systems and Signal Processing" organized by Vellore Institute of Technology Chennai from 12th June to 16th June 2023.
- Mr. Saleem S Tevaramani, Assistant Professor participated in a 5 days faculty development program on "Exploring the Scope of Engineering Mathematics in Control Systems and Signal Processing" organized by Vellore Institute of Technology Chennai from 12th June to 16th June 2023.
- Mr. Saleem S Tevaramani, Assistant Professor participated in a 3 days faculty development program on "Advanced Semiconducting Materials and Devices : A roadMap on Fabrication and Characterization" organized by Vellore Institute of Technology Chennai from 18th June to 20th June 2023.
- Mrs.Shruthi V Joshi, Assistant Professor participated in a 5 days faculty development program on "Inculcating Universal Human values in Technical Education" organized by AICTE from 1st April to 5th April 2023.
- Mrs. Suma Santosh, Assistant Professor participated in a 6 days faculty development program on "Artificial Intelligence and Machine Learning for Image Analysis- MATLAB & Python Perspective " organized by CMR Institute of Technology from 8th May to 13th May 2023.
- Mrs. Bhanumathi A, Assistant Professor participated in a 6 days faculty development program on "Artificial Intelligence and Machine Learning for Image Analysis- MATLAB & Python Perspective " organized by CMR Institute of Technology from 8th May to 13th May 2023.
- Mrs. Anita P, Assistant Professor participated in a 6 days faculty development program on "Artificial Intelligence and Machine Learning for Image Analysis-MATLAB & Python Perspective " organized by CMR Institute of Technology from 8th May to 13th May 2023.
- Mrs. Kavya B M, Assistant Professor participated in a 6 days faculty development program on "Artificial Intelligence and Machine Learning for Image Analysis-MATLAB & Python Perspective " organized by CMR Institute of Technology from 8th May to 13th May 2023.
- 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 Benchmarkingin 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.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.

BOOK CHAPTER PUBLICATIONS:

- Dr. Surekha Borra , Mr. Sunil Kumar G.R, published "In-Theatre Real Time Piracy Detection and Discouraging System" Design Studies and Intelligence Engineering , Frontiers in Artificial Intelligence and Applications Series, Vol. 365, pp.220-229,2023. [ISBN:978-1-64368-372-0].
- Dr. Surekha Borra,Published "Detection and Classification of Leukocytes in Blood Smear Images: State of the Art and Challenges" Research Anthology on Improving Medical Imaging Techniques for Analysis and Intervention, Chapter 57,pp. 1099-1130, 2023, [EISBN13: 9781668475454].
- 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]

PUBLICATIONS IN INTERNATIONAL JOURNALS:

- 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]

ACHIEVEMENTS BY FACULTY:

- Dr.P.N. Sudha, Professor, HOD-ECE, Delivered talk in Faculty development program on "Implementing Quality Assurance:Challenges and Solutions for NAAC accreditation" at M.V.I.T, Bangalore on 7th January 2023.
- Dr.P.N. Sudha, Professor, HOD-ECE Coordinator in Paypal's Student enablement Program at K. S. Institute of Technology, Bangalore on 20th March 2023.
- Dr.P.N. Sudha, Professor, HOD-ECE worked Teachers training Program in Teachers training Program on Introduction to Cyber Security at VTU, Centre for PG Studies, Muddenahalli, Chikkaballapura on 22 May to 26th May 2023.
- Dr.P.N. Sudha, Professor, HOD-ECE External Expert in Synopsis presentation at Faculty of Engineering and Technology, Jain Group of Institutions, Bangalore on 21st May 2023.
- Dr.P.N. Sudha, Professor, HOD-ECE,Reviewer in IEEE International Conference on applied Intelligence and Sustainable Computing at SDM College of Engineering and Technology, Dharwad from 16th June to 17th June 2023.
- Dr. B. Surekha,Professor as a Session chair in NFED at Coimbatore, Tamil Nadu from 20th January to 21st January 2023.
- Dr. B. Surekha,Professor as an External Expert in PhD Viva at JSS Science and Technology University, Mysuru on 16th February 2023.

- Dr. B. Surekha, Professor as a Session chair in National conference on digital Technology and Engineering at RVITM, Bangalore on 28th April 2023.
- Dr. B. Surekha, Professor as a Reviewer in Expert Systems on 9th April 2023.
- Dr. Rekha N is recognized as Reviewer for VSPICE 2023 an International conference on "VLSI, SIGNAL PROCESSING, POWER ELECTRONICS, IOT, COMMUNICATION
- AND EMBEDDED SYSTEMS" organized by NMAM Institute of Technology, Nitte on 19th & 20th December 2023.
- Dr. Dinesh Kumar D S, Associate Professor as a Reviewer in the International Conference of IEEE TEMSMET at IEEE on 2nd May 2023.
- Dr. Dinesh Kumar D S, Associate Professor as a Reviewer in Nano composites for aerospace applications on 28th February 2023.
- Dr. Devika B, Associate Professor, as a Reviewer in IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) at Nitte Meenakshi Institute of Technology, Bangalore on 31st May 2023.
- Dr. Devika B, Associate Professor, as a Judge in Project Exhibition at RNSIT, Bangalore on 12th May 2023.
- Mr. Saleem S Tevaramani, Assistant Professor, as a Reviewer in ICAISC-2023 at SDMCE, Dharwad from 16th June 2023 to 17th June 2023.
- Mr. Saleem S Tevaramani, Assistant Professor, 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.
- Mr. Saleem S Tevaramani, Assistant Professor, as a Reviewer in 2nd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics at Ballari institute of technology and Management, Bellari from 29th April 2023 to 30th April 2023.

ACHIEVEMENTS BY STUDENTS:

- Krupa A received an Honors degree from VTU on 8th January 2023.
- 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.
- Uday C.H Participated in Matrix Organized by IEEE on 19th April 2023 to 23rd April 2023.
- Uday C.H Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE, KSIT on 17th June 2023.
- Kumar K G Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE, KSIT on 17th June 2023.
- K.M Amshumanth Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE, KSIT on 17th June 2023.
- Kumar K G Participated in NSS-Abhyudaya 2023 Organized by KSIT on 22nd June 2023 to 28th June 2023.
- Meghashree Participated in NSS-Abhyudaya 2023 Organized by KSIT on 22nd June 2023 to 28th June 2023.
- Suraksha N Participated in NSS-Abhyudaya 2023 Organized by KSIT on 22nd June 2023 to 28th June 2023.
- Sonika R Participated in NSS-Abhyudaya 2023 Organized by KSIT on 22nd June 2023 to 28th June 2023.
- K.M Amshumanth Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 30th June 2023 and won First Prize.
- Suraksha N Participated and received Certificate of Appreciation Organized by Red Cross Society on 7th August 2023.
- Rakshitha A Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 30th June 2023 and won Second Prize.
- Chaya S Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by
-

- Dept. of ECE,KSIT on 17th June 2023.
- Kiran Participated in Mini Project Exhibition-2023 Organized by DSAT&M on 7th April 2023.
- Kumar K G Participated in Mini Project Exhibition-2023 Organized by DSAT&M on 7th April 2023.
- Kiran V Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 30th June 2023 and won First Prize.
- Kumar K G Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 30th June 2023 and won First Prize.
- 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.
- Gurushankara 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.
- Meghana N Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 9th February 2023 and won Third Prize.
- Sanjana V Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won First Prize.
- Preksha S Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won First Prize.
- Anagha Prakash Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won Third Prize.
- Damini S Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won First Prize.
- Archana G.M Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won Second Prize.
- Amulya R Participated in Certificate of Merit Organized by KSIT and won First Prize on 9th September 2023.
- Disha Shivani Participated in Certificate of Merit Organized by KSIT and won Third Prize on 9th September 2023.

FUNDED PROJECTS:

- 1Mr.S.Christo Jain ,Assistant Professor received a fund of Rs.5000/ for the project entitled" Sign Language to Text and Vice-Versa using Embedded System" by VTU Financial Assistance for Innovative Projects of Final Year UG Students during March 2023.
- Dr.P.N.Sudha, Professor Received a fund of Rs.5000/- for the project entitled "Smart Wheel Chair for Aged People with E-Health Monitoring System" by VTU Financial Assistance for Innovative Projects of Final Year UG Students during March 2023.
- Dr. Rekha N, Associate Professor Received a fund of Rs.4000/- for the project entitled" Hybrid Power Grid Based On Iot "by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
- Dr. Rekha N, Associate Professor Received a fund of Rs.3500/- for the project entitled "Virtual Pen" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
- Mrs. Ramya K R, Associate Professor Received a fund of Rs.4000/- for the project entitled "Fire Fighting Robot" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.

- Mr. Saleem S Tevaramani, Assistant Professor Received a fund of Rs.4000/- for the project entitled "E-Passport Authentication using IOT and AI" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
- Mrs. Bhargavi Ananth, Assistant Professor Received a fund of Rs.4000/- for the project entitled "Non-Invasive Thyroid Detection" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023

Patent Publication by Faculty:

Dr.Electa Alice Jayarani,Mrs.Bhargavi Ananth field a patent on" Agriculture Drone for crop Health Monitoring: and it was granted on 18th December 2023.

100% RESULT:

SUBJECT CODE	SUBJECT	STAFF NAME
18EC81	Wireless and Cellular Communication	Dr. P.N Sudha
18EC744	Cryptography	Dr. P.N Sudha
18ME751	Energy and Environment	Dr. Surekha Borra

SUBJECT CODE	SUBJECT	STAFF NAME
18EC71	Computer Networks	Dr. Dinesh Kumar D S
18ES51	Technological Innovation Management and Entrepreneurship	Mrs. Vishalini Divakar
21UH36	Social Connect and Responsibility	Mr. Sampath Kumar S

SUBJECT CODE	SUBJECT	STAFF NAME
18EC823	Radar Engineering	Mr. Saleem S Tevaramani
18EC823	Radar Engineering	Dr. Pooja S
18EC732	Satellite Communication	Dr. Pooja S

TOPPERS LIST 2023:

III SEMESTER		
USN	NAME	PERCENTAGE
1KS22EC067	MONISHA B N	88.44
1KS20CS074	Poojitha Y	85.22
1KS22EC061	MANASA CHOWDARY	85.11

V SEMESTER		
USN	NAME	PERCENTAGE
1KS21EC117	VIDYASHREE R	89.00
1KS21EC097	SRIPRIYA H G	86.63
1KS21EC077	RITHIKA M	84.88

VI SEMESTER		
USN	NAME	PERCENTAGE
1KS20EC068	PREMA G	89.63
1KS20EC039	JAMUNA S G	88.00
1KS20EC057	MEGHA SHREE M	87.13

VII SEMESTER		
USN	NAME	PERCENTAGE
1KS20EC068	PREMA G	91.25
1KS20EC057	MEGHA SHREE M	91.00
1KS20EC002	ADITI DUBEY	89.63

VIII SEMESTER		
USN	NAME	PERCENTAGE
1KS19EC027	GAYATHRI P K	92.8
1KS19EC008	AMULYA R	91.4
1KS19EC032	HARSHITHA B Y	91

IV SEMESTER		
USN	NAME	PERCENTAGE
1KS21EC120	VYSHAK G R	92
1KS21EC040	KUSUMA M S	91.5
1KS21EC077	RITHIKA M	91.1

THE DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT THE DEPARTMENT :

Mr. M Umashankar
Prof. & Head

The Department of Mechanical Engineering at KSIT is as old as the Institute itself. Today, the department of mechanical engineering of KSIT attracts and features an extraordinary rich diversity and quantity of talented individuals, with nearly 450 undergraduates supported by experienced and highly qualified teaching and nonteaching staff. There is a concerted effort to raise the "Aspirational reference point" of the pupils undergoing graduate program in engineering by subjecting them to continuous value addition. Hence The Department has been producing excellent results with distinctions in the university examinations consistently. In addition to class room teaching learning processes students are guided and encouraged to be familiar with emerging technology. Our students have been actively associating themselves with industries through industrial projects, in plant training and industrial visits with almost all Mechanical engineering oriented organizations/industries. We feel proud to inform that our students earn places in the merit list of University Examinations every year.

Many of our alumni have pursued higher education in premier institutions world over & are at top executive positions at various enterprises such as Infosys, Wipro, L&T, Mercedes, TOYOTA, Robert Bosch, MICO and innumerable software, Manufacturing, Mechanical Design and service organizations. The Department has been recognized as R & D Centre by Visvesvaraya Technological University for carrying out Research activities leading to M.Sc. (Engg.) and Ph. D degrees.

VISION

- To groom incumbents to compete with their professional peers in Mechanical Engineering that brings recognition.

MISSION

- To impart sound Fundamentals in Mechanical Engineering
- To Expose Students to New Frontiers.
- To achieve Engineering Excellence through Experiential learning and Team work.

DEPARTMENT WELCOMES

- Dr. Swamy , KSIRF

LATEST TECHNOLOGY

Nano materials play a significant role in the energy sector, contributing to advancements in energy production, storage, conversion, and efficiency. Here are several ways in which nano materials impact the energy sector:

Improved Energy Storage:

Batteries and Super capacitors: Nano materials, such as nano structured electrodes and electrolytes, enhance the performance of batteries and super capacitors by increasing surface area, improving ion conductivity, and facilitating faster charge/discharge rates.

Enhanced Solar Energy Harvesting:

Photovoltaics: Nanomaterials like quantum dots, nano wires, and perovskite-based materials are used in the development of high-efficiency solar cells. These materials offer better light absorption, charge carrier mobility, and tunable band gaps.

Efficient Energy Conversion:

Catalysis: Nanomaterials are employed as catalysts for energy conversion processes, such as hydrogen production through water splitting and the conversion of biomass to biofuels. Nanostructured catalysts can significantly enhance reaction rates and selectivity.

Advanced Thermal Insulation:

Thermoelectric Materials: Nano structured thermoelectric materials improve the efficiency of thermoelectric devices, converting waste heat into electricity. These materials enhance heat conductivity while reducing electrical conductivity, leading to better thermoelectric performance.
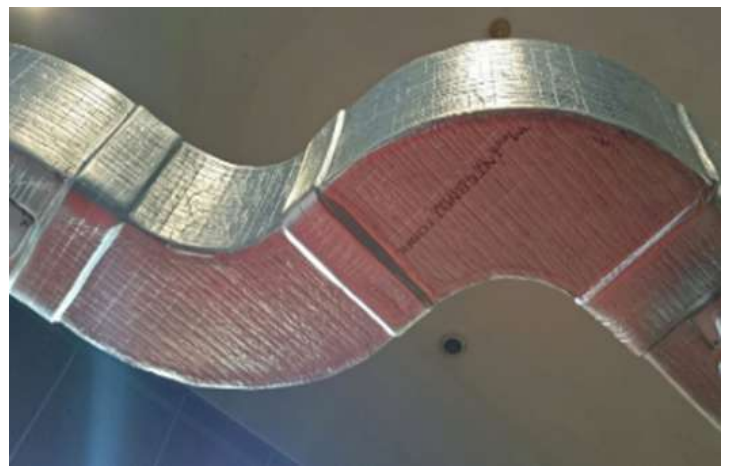
Lightweight and Strong Structural Materials:

Wind Turbines and Aircraft: Nanomaterials, such as carbon nanotubes and nanocomposites, contribute to the development of lightweight and strong structural components for wind turbine blades, aircraft, and other applications, leading to increased energy efficiency.

Smart Grids and Energy Transmission:

Conductive Nano materials: Nano materials with high electrical conductivity, such as graphene and carbon nano tubes, are used in the development of conductive inks and coatings. These materials enable the creation of efficient conductive pathways, improving the performance of electronic components in smart grids and energy transmission.

Advanced Energy-Efficient Lighting:

LEDs and Nanophotonics: Nano materials are employed in the fabrication of high-efficiency light-emitting diodes (LEDs) and nanophotonic devices. Quantum dots and nanophotonic structures enhance light emission and manipulation, leading to more energy-efficient lighting technologies.

Improved Oil and Gas Extraction:

Nanofluids: Nanoparticles are used in nanofluids to enhance the efficiency of oil and gas extraction processes. These nanofluids can improve thermal conductivity, reduce friction, and modify fluid properties to optimize extraction operations.


Flexible and Lightweight Energy Storage

Flexible Electronics: Nano materials contribute to the development of flexible and lightweight energy storage devices, such as flexible batteries and super capacitors. This is particularly beneficial for applications like wearable electronics and flexible displays.

Nanotechnology in Nuclear Energy

Nuclear Reactors: Nano materials are explored for applications in nuclear energy, including radiation-resistant materials and improved fuel performance. Nanotechnology can contribute to enhancing the safety and efficiency of nuclear power generation.
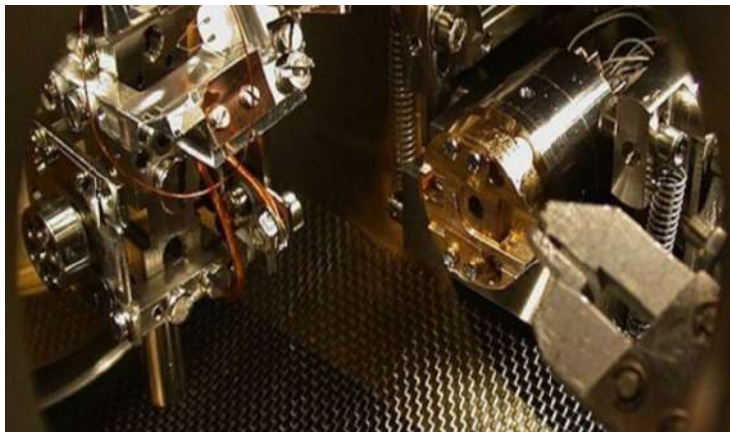
EVENTS CONDUCTED BY DEPARTMENT

- 3 Days Staff training Programme for Capacity Building in association with SAEINDIA, IEEE from 4th to 6th April 2022 Project Exhibition was organized by the Department of Mechanical Engineering, at KSIT, Bengaluru on 25th June 2022 "National Conference on Recent Innovation in Engineering – 2022" organized by Department of Mechanical Engineering, KSIT, Bengaluru during 23rd to 24th June 2022 TECHNOTSAV 2K22 Organized on 14th December 2022 by Department of Mechanical Engineering in association with Team Redline Racing and SAE INDIA.

- ·The Department organized the Industrial visit for II and IV sem Mechanical students & Staff Visited Bangalore Air Craft Industries Ltd, Aero Space Park, Bangalore on 7th July 2023. Total 23 number of students attended the visit.

- ·Unveiling of SUGRIVA 2.0 (Team Redline Racing & SAEINDIA). The team Redline Racing consists of 27 Students from all branches designed and fabricated e-ATV so as to participate in Mega ATV Championship 2023. After testing the e-ATV, it was named as SUGRIVA 2.0 and unveiling of vehicle was done.

Emanation 2023

EVENTS CONDUCTED BY THE FACULTY

- Organized seminar entitled "Innovation & Entrepreneurship" on 19th July 2023 for 4th semester AIML & ME students between 10.30AM to 12.30PM at KSIT Seminar Hall, Ground floor. **Industry expert:** Mr. Dhiraj A Rao, Managing Director, AANS Technologies, Bengaluru.

- Organized an invited talk entitled "**SALES FORCE CAREER DEVELOPMENT ROADMAP**" on 5th July 2023 for 4th semester CSD students between 10.30AM to 12.30PM at KSIT Seminar Hall, Ground floor. **Industry expert**: Mr. Ravi Kumar C, Head – Innovations & Sales, Influencer Labs, Bengaluru.

- Organized an industry visit to "**BANGALORE AIRCRAFT INDUSTRIES PVT LTD, BENGALURU**" on 7th July 2023 for 2nd & 4th semester ME students between 09.00AM to 04.30PM. **Industry expert**: Mr. Girish, Co-founder & Director, BAIL, Bengaluru.

- Organized an industry visit to "**U.R RAO SATELLITE CENTRE, ISRO, BENGALURU**" on 28th August 2023 for 1th semester ECE students between 10.00AM to 03.30PM.

- Organized 5-Day FDP entitled "**IP INCUBATION & STARTUPS**" from 03rd to 8th August 2023 for faculties between 10.30AM to 03.30PM at KSIT Seminar Hall, Ground floor.

- Organized a webinar on "**CASTING SIMULATION FUNDAMENTALS**" for students to encourage the knowledge of foundry and casting on 27th Sep 2023.

EVENTS ATTENDED BY FACULTY

- **Mr Nagabhushan M** has attended a 4 Days FDP on "**Python Programming and its Applications**" organized by the Department of Electronics and Communication Engineering, KSIT from 27th March to 1st April 2023

- **Mr Prasad K** has attended a 4 Days FDP on "**Python Programming and its Applications**" organized by the Department of Electronics and Communication Engineering, KSIT from 27th March to 1st April 2023

- **Dr Nirmala L** has attended a 5 Days Offline Workshop on "**Human Values Education: Why? and Have?**"organized by the Department of Managements Studies and Research centre, Bangalore from 15th to 19th May 2023

- **Dr Nirmala L** has attended a online 3-Day FDP on "**Research Grants, Publications and Consultancy skills for Academicians**" organized Department of Electronics & Telecommunication Engineering and Skill Development centre, BIT from 6th to 8th March 2023

- **Mrs Tejaswini M L** attended a Two Days Online FDP on "**New Generation Construction Materials & Technologies**", organized by the Department of Civil Engineering, Sir MVIT, Bengaluru from 5th Jan 2023 to 6th 2023.

- **Mr Rajesh G L** has attended One Week Online National Level Faculty Development Program on "**Innovation, Research and IPR - Journey Towards Excellence**" held from 1stMarch 2023 – 5thMarch 2023 organized by BVB's Sardar Patel College of Engineering, Mumbai & HSM's Shri.Sant Gadge Baba College of Engineering & Technology, Bhusawal in collaboration with SAE India Western Section, Institution's Innovation Council, Indian Institution of Industrial Engineering and Federation of Education Leaders and Administrators under IQAC of SPCE,Mumbai SSGBCOE&T, Bhusawal.

- **Mr Rajesh G L** has attended workshop on "**Data science and AI in Manufacturing**" on 17th April 2023 organized by Aegis, School of Data science and Cyber Security, Navi Mumbai.

- **Mr Rajesh G L** has attended **Technical Institution Meet 2023** organized by GTTC, Rajajinagar in association with Siemens Technologies and Design Tech held on 22nd August 2023 at 9.30AM.

- **Mr Manjunatha B R** has attended One Week online AICTE – VTU joint Teacher Training Programme on "**Introduction to Python Programming and its Applications**" from 13th to 17th March 2023 organized by VTU, Center for PG Studies, VIAT, Muddenahalli, Chikkabalapur (Dist) - 562101

- **Mr Ranganath N** has attended One Week online AICTE – VTU joint Teacher Training Programme on "**Introduction to Python Programming and its Applications**" from 13th to 17th March 2023 organized by VTU, Center for PG Studies, VIAT, Muddenahalli, Chikkabalapur (Dist) – 562101

- **Mr Anil Kumar A** has attended One Week online AICTE – VTU joint Teacher Training Programme on "**Introduction to Python Programming and its Applications**" from 13th to 17th March 2023 organized by VTU, Center for PG Studies, VIAT, Muddenahalli, Chikkabalapur (Dist) – 562101

- **Mr Harish U** has attended One Week online AICTE – VTU joint Teacher Training Programme on "**Introduction to Python Programming and its Applications**" from 13th to 17th March 2023 organized by VTU, Center for PG Studies, VIAT, Muddenahalli, Chikkabalapur (Dist) - 562101

PUBLICATIONS BY FACULTY

- **Prof Dr. Saleem Khan**, "Influence of Hot Extrusion Process on Tensile Properties and Microstructures of Aluminium 6061 Hybrid Composite", SAE Technical Paper 2023-01-0986, 2023, https://doi.org/10.4271/2023-01-0986, ISSN - 0148A-7191, e-ISSN: 2688-3627, 7th Mar 2023

- **Prof Dr. Nagaprasad K S**, "Emission charcterstics of diesel engines fuelled with B20 with different DPF, DOC and ECR arrangements", International Journal of Ambient Energy, 45:1,2277308, DOI: 10.1080/01430750.2023.2277308.

- **Prof Dr. Nagaprasad K S**, "Characterization of Briquette Fuel prepared from corn club", International Journal of Scientific Research in Science, Engineering and Technology, doi.org/10.32628/IJSRSET23103213, volume 10/ Issue 4/9368.

- Prof Tejaswini M L, "Laboratory Investigations on Durability Assessment of Concrete incorporating Copper Slag as Fine Aggregates", Indian Journal of Natural Sciences, Vol.13 / Issue 76 /February/ 2023.

- **Prof Dr. Nirmala L**, "An Investigation on the Mechanical and Durability Properties of Concrete structures incorporated with Low Carbon Steel – Industrial Waste", 21st ISME Interntional conference on advances in Mechanical Engineering, July 13-17, 2023.

- **Prof Tejaswini M L**, "An Investigation on the Mechanical and Durability Properties of Concrete structures incorporated with Low Carbon Steel – Industrial Waste", 21stISME International conference on advances in Mechanical Engineering. July 13-17, 2023

ACHIEVEMENTS BY FACULTY

- **Prof. Tejaswini M L** Completed Final Ph.D., defense on "**INVESTIGATION ON COPPER SLAG AS AN ALTERNATIVE TO FINE AGGREGATES IN CONCRETE STRUCTURES**", under the guidance of Dr. Asha K, Associate Professor, Dept of Civil Engineering, B M S College of Engineering.

ACHIEVEMENTS BY STUDENT

- Kushal Kadam of the 7th Semester, Department of Mechanical Engineering Represented the college at the VTU State Level Athletic Meet held at Belagavi during the academic year 2022-23.

- Haryank V Kashyap of the 7th Semester, Department of Mechanical Engineering presented a paper published by Dr. Nirmala L, Associate Professor, and Mrs. Tejaswini M L, Assistant Professor, Department of Mechanical Engineering, Titled "An Investigation on the Mechanical and Durability Properties of Concrete structures incorporated with Low Carbon Steel – Industrial Waste" at the 21st Indian Society for Mechanical Engineers (ISME) International Conference on "Advances in Mechanical Engineering" held at PES University on 13th July 2023.

RECOGNITION

- **Dr Nagaprasad K S** has been appointed as Domain Expert in Research Advisory Committee for research scholar working on "Simulation of combined haling and cooling system at DCSE, Bangalore.

- **Dr Umashankar M** has been appointed as Research supervisor in VTU, Belgaum

- **Dr Nagaprasad K S** has been appointed as Research supervisor in VTU, Belgaum

- **Dr Saleem Khan** has been appointed as Research supervisor in VTU, Belgaum

- **Dr Nagaprasad K S** has been appointed as Research supervisor in VTU, Belgaum

- **Dr. Nagaprasad K S**, was invited by Karnataka Examination Authority, Government of Karnataka on 19th September, 2023 for an official work.

FUNDED PROJECTS

- Project entitled "**Design and Fabrication of Smart irrigation system using IOT**" by Mr Jashwanth S, Mr Shreyas B, Mr Sujay Adithya, Mr Thejas V R under the guidance of **Dr Girish T R**, Associate Professor, Department of Mechanical Engineering, KSIT has been has selected for state level seminar held at Alva's Institute of Engineering and Technology, Moodubidire on 11th-12th August 2023

- Project entitled "**Design and Construction of an Integrated Domestic organic waste composting device**" by Mr Sanjay V, Mr Arun Kumar M, Mr Venkataramana G Bhat, Ms Charitha S under the guidance of **Mr Ranganath N**, Assistant Professor, Department of Mechanical Engineering, KSIT has been has selected for state level seminar held at Alva's Institute of Engineering and Technology, Moodubidire on 11th-12th August 2023

- Project entitled "**Design and Fabrication of Solar Dryer for Onion**" by Mr Jithan A, Mr Hemanth K, Mr Madhu V, Mr Nithesh S R under the guidance of **Dr Nirmala** L, Associate Professor, Department of Mechanical Engineering, KSIT has been has been selected for state level exhibition held at Alva's Institute of Engineering and Technology, Moodubidire on 11th-12th August 2023.

- Project entitled "**DESIGN ANDFABRICATION OF LOW-COST MECHANICAL VENTILATOR**" by Mr Mohan R Krishna, Harsha P, Anirudh R and Mallikarjun Basawaraj Holde under the guidance of **Dr. Nirmala L** Associate Professor, Department of Mechanical Engineering, KSIT has been has been approved by the Council under "VTU Financial assistance for Innovative projects of Final year UG students and sanctioned an amount of Rs.5000.

- Project entitled "**EXPERIMENTAL AND NUMERICAL INVESTIGATION ON ACOUSTIC BEHAVIOUR OF CYLINDRICAL SHELL STRUCTURES**" by Mr Rakshith A, Sanjay Rao G, Srinivas R and D Manish under the guidance of **Mr. Anil Kumar**, Assistant Professor, Department of Mechanical Engineering, KSIT has been has been approved by the Council under "VTU Financial assistance for Innovative projects of Final year UG students and sanctioned an amount of Rs.5000.

CLUB ACTIVITIES

- Mega ATV Championship (Our students of KSGI (KSIT and KSSEM) participated in **Mega ATV Championship** on **15 May 2022.**

TOPPERS LIST (2023)

Mr RAJESH KUMAR N G
(1KS21ME010)
Total marks : 909

Mr DEEPAK K
(1KS22ME400)
Total marks : 873

Ms PRANITHA.R
(1KS20ME003)
Total marks : 651

Mr HARYANK V KASHYAP
(1KS20ME005)
Total marks : 649

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING – IOT, CYBERSECURITY INCLUDING BLOCKCHAIN

ABOUT THE DEPARTMENT :

Dr. Ganga Holi
Prof. & Head

KSIT stands as a leading institute offering technical education with strong ethical values. Our CSE-ICB department focuses not only on academic excellence but also on the holistic development of our students by incorporating diverse teaching and learning methods. We believe in hands-on activities and experiential learning, providing numerous platforms to stimulate innovative and creative thinking among students. Our dedicated teaching and support staff are committed to helping students excel through a blend of traditional lectures, interactive sessions, and project-based learning. With the guidance of our experienced faculty, we empower a diverse community of students to nurture their abilities, transform their lives, and achieve excellence. We encourage students to engage in both curricular and extracurricular activities, fostering a well-rounded education that prepares them to become future leaders and industry-ready engineers, ready to face the competitive world.

VISION

"To imbibe cutting edge technological capabilities supported by pioneering research and industry collaboration encompassed with ethical principles."

MISION

- Use an experiential learning approach to empower students with fundamentals of theory and practice.
- Enable students to solve real life problems both at national and international level.
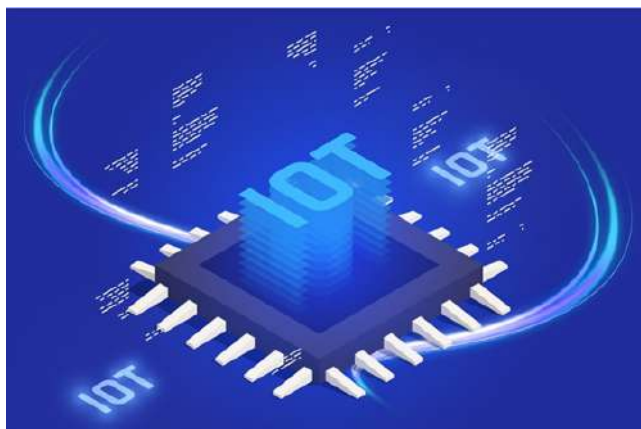- To promote entrepreneurship among students so as to be job creators.

DEPARTMENT WELCOMES

1. Dr. Ganga Holi   Professor & HOD

2. Mr. Kushal Kumar B N   Associate Professor

3. Mrs. Rajashree M Byalal   Asst. Professor

4. Ms. Rachana V Murthy   Asst. Professor

LATEST TECHNOLOGY

INTERNET OF THINGS (IOT)

The Internet of Things (IoT) has experienced incredible growth, thanks to technological advancements and the surge in demand for instant insights into digital transformation solutions and activities.

The digitalization of things has drastically increase over the past few years and it has been made possible only because of cheap resources that are being made available to everyone so that each and every person can access these trends. But we cannot talk about digitalization without IoT. It's like a boon to technology and in today's era, no business can even grow without the implementation of IoT. Whether it's a Startup or a Big Multinational company, everyone is required IoT to outperform its competitors.

CYBERSECURITY

Businesses of all sizes, corporate entities, organizations, and even governments have embraced computerized systems to streamline daily operations. Consequently, ensuring cybersecurity has emerged as a paramount objective to protect data from many online threats and unauthorized intrusions. As technology evolves, so do cybersecurity trends, with data breaches, ransomware attacks, and hacks becoming increasingly commonplace.

BLOCKCHAIN

The foundation of the new Internet, Web3, blockchain technology is transforming the business world day by day with technological advances. According to the study by Fortune Business Insights, the blockchain market size was valued at $17.57 billion at the end of 2023 and is predicted to reach $469.9 billion by the year 2030. Though it was first centred around cryptocurrency, blockchain technology has been effectively applied to a wide range of sectors.

With advanced security and privacy-enhancing functionalities, trends in blockchain technology are opening new doors of opportunities for businesses across a wide range of industries. As the years progress, blockchain technology is growing and bringing new blockchain trends for businesses to leverage.

EVENTS CONDUCTED

- The Department of CSE-ICB organized TECHNICAL TALK on "BEYOND WIRES AND WAVES – INTERNET COMMUNICATION & NETWORKING PROTOCOLS DEMYSTIFIED" by Mr AKHIL MOHAN, Solution Architect at Akamai Technologies on 11.01.2024.

- The Department of CSE-ICB organized ONE DAY INDUSTRIAL VISIT to Place of Visit: KTPO Convention Centre White field, Bengaluru, India for IoT TECH EXPO on 02.02.2024

EVENTS ATTENDED BY FACULTY

- Dr. Ganga Holi, Professor & Head participated in a 6 days faculty development program on "Teaching Learning and OBE Concepts" from 21/10/2023 to 27/10/2023.

- Dr. Ganga Holi, Professor & Head participated in 10 days faculty development program on "Essentials of Cybersecurity in Blockchain Technologies" from 19/02/2024 to 29/02/2024.

- Mr. Kushal Kumar B N, Associate Professor participated in IEEE International Conference on Data Engineering and Communication Systems(ICDECS) on "Comprehensive Insights into Machine Learning for Intrusion Detection Systems in IoT & its Datasets" from 22/03/2024 to 23/03/2024.

- Mrs. Rajashree M Byalal, Assistant Professor participated in a 6 days faculty development program on "Data Analytics Using Python For Health Care Applications" from 4/12/2023 to 9/12/23.

BOOK CHAPTER PUBLICATIONS

- Dr. Surekha Borra , Dr Renuka Veerappa Tali, Channel Fusion Filter and Invariant Scattering Network-Based Leukocyte Image Discrimination Framework, Research in International Journal of Intelligent Engineering &Systems , in the year December 17, 2023, Vol.17, No.1, 2024, 862 , DOI: 10.22266/ijies2024.0229.73. https://inass.org.

INTERNATIONAL JOURNAL PUBLICATIONS

- Mr. Kushal Kumar B N "Comprehensive Insights into Machine Learning for Intrusion detection systems in IOT & its datasets." IEEE Conference on DATA ENGINERRING AND COMMUNICATION SYSTESM 22-23 March 2024, Bangalore India [International Conference].

ACHIEVEMENTS BY STUDENTS

- Saakshi S Urs (USN:1KS22IC039) Secured Runner-up in Table Tennis (Women) Inter-Collegiate Bangalore South Division Level Tournament held at JSSATE from 12/07/2023 to 13/07/2023.

- Nishanth R (USN: 1KS22IC026) Secured Second Place in the "Hacking Hardware" workshop organized by Dept of E&C in association with Garut Aerobotics Club and KSIT IEEE on 21st and 22nd July 2023. Participated in 24hrs Hackathon organized by the Jyoti Institute of Technology.

- Tejas Gowda N (USN: 1KS22IC056) Secured Second Place in the "Hacking Hardware" workshop organized by Dept of E&C in association with Garut Aerobotics Club and KSIT IEEE on 21st and 22nd July 2023.Participated in 24hrs Hackathon organized by the Jyoti Institute of Technology. Coordinated an event named Tech Vistara hosted by Garut Aerobotics Club. Participated in a 5k Marathon organized by the Department of Electronics and Communication Engineering at K.S Institute of Technology on 17th June 2023.

- Vaishnavi A (USN: 1KS22IC059) participated in the Nisvaarth-2 5k Run marathon organized by the Department of Electronics and Communication Engineering at K.S Institute of Technology on 15th June 2024.

DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES

ABOUT THE DEPARTMENT :

Dr. Jalaja P
Prof. & Head

Welcome to our department which provides knowledge and tools that enable bright minds to become Engineers. As the Head of the Department of Applied Science and Humanities, I am delighted to share the latest developments and achievements within our department. Our interdisciplinary approach continues to foster innovation and creativity, equipping our students with the essential skills to tackle real-world challenges. From groundbreaking research initiatives to impactful community outreach programs, our faculty and students are making significant contributions to the fields of science and humanities. With a commitment to excellence and a passion for discovery, we strive to cultivate a dynamic learning environment where curiosity thrives and boundaries are pushed. I am proud of the dedication and hard work demonstrated by our department members and look forward to seeing the continued growth and success of our endeavors

VISION

"To create a conducive environment to impart sound fundamentals and problem solving Skills among the Students and prepare them for higher learning"

MISION

- To continuously improve the teaching–learning process and maintain effective pedagogy.
- To inculcate ethical and professional values among students.
- To create Institute-industry interaction to promote research.

DEPARTMENT WELCOMES

1. Mrs. Sowmya Rani Asst. Professor

LATEST TECHNOLOGY

IUPAC Top Ten Emerging Technologies in Chemistry 2023

The field of chemistry is continuously evolving with groundbreaking technological inventions that push the boundaries of scientific knowledge and industrial application. Here's an essay that highlights some of the latest technological inventions in chemistry

The Vanguard of Chemistry: A Glimpse into the Latest Technological Inventions* Chemistry, often referred to as the central science, plays a pivotal role in bridging various scientific disciplines. Its advancements are crucial for the development of new materials, medicines, and energy solutions. As we step into the future, several technological inventions in chemistry stand out for their potential to revolutionize the industry and contribute to a sustainable world.

Artificial Muscles and Biological Recycling One of the most exciting developments is the creation of artificial muscles. These materials mimic the contraction and expansion of natural muscles, paving the way for advanced robotics and prosthetics. Coupled with this is the biological recycling of polyethylene terephthalate (PET), which addresses the global challenge of plastic waste through innovative degradation processes.

Climate Change Mitigation and Energy Solutions The chloride-mediated removal of ocean CO_2 presents a promising avenue for mitigating climate change effects by reducing atmospheric carbon levels. In the realm of energy, photocatalytic hydrogen production .

and synthetic electrochemistry are leading the charge towards clean and renewable energy sources, potentially transforming our energy infrastructure

Healthcare Innovations The healthcare sector also benefits from chemistry's advancements. Low-sugar vaccination techniques are being developed to enhance immune responses without relying on high sugar content, which can be detrimental to health. Phage therapy, an alternative to antibiotics, uses bacteriophages to target and destroy antibiotic-resistant bacteria, offering hope in the fight against superbugs.

Integration of AI and Wearable Technology The integration of GPT language models in chemistry signifies the fusion of artificial intelligence with chemical research, optimizing processes and accelerating discovery. Wearable sensors, on the other hand, bring chemistry directly to consumers, allowing for real-time health monitoring and environmental sensing.

Conclusion These inventions are just the tip of the iceberg in the vast ocean of chemical innovation. As we continue to explore and understand the molecular world, chemistry's role as the connecting science becomes ever more apparent. It is the catalyst for collaboration across disciplines and the harbinger of industrial innovation. The future of chemistry is bright, and its technological inventions will undoubtedly play a key role in shaping a better world for all.

These technologies represent a diverse selection of early-stage ideas to industrialized innovations across various fields of chemistry, including synthesis, materials science, energy, biomedicine, and education.

EVENTS CONDUCTED

- The Department of Applied Sciences and Humanities in association with the Institution Innovation Council cell of the college organized a one day Science Fest STEM FIESTA on 17-3-23

- The Department of Applied Sciences and Humanities in association with the NSS wing of the college organized a one day session on Yoga and life science on 21-6-23

- The Department of Applied Sciences and Humanities(Chemistry) organized a talk on unlocking innovations for transforming the technology of tomorrow on 22/07/2023

- The Department of Applied Sciences and Humanities organized a 6 days soft skills training and placement program for the II semester on Students Problem Analysis Individual and Team work ,communication, Life-long learning, Ethics,. between 3-8-2023 to 8-8-2023

- The Department of Applied Sciences and Humanities in association with the NSS wing of the college organized a program on Life style and stress management on 16-8-23

- The Department of Applied Sciences and Humanities(Physics) organized a talk on Importance of Physics in Engineering on 19-8-2023

NATIONAL AND INTERNATIONAL LIST OF PUBLICATIONS

- Evolution of SnO2 nanoparticles for the electrochemical sensing of dopamine including photocatalytic toxic dyes degradation, **Kiran Kumar S.R**, Elsevier-Journal Sensors International, 2023-24, https://doi.org/10.1016/j.sintl.2023.100278.

- Eco-friendly synthesis of carbon nanospheres for sensitive detection of dopamine, **Kiran Kumar S.R** to IEEE, 2023-24, Paper Id: 1652.

- Highly Efficient NiO- ZnO Nanocomposites Synthesis, Characterization and its Application in modified carbon paste electrode for electrochemical sensors, **Kiran Kumar S.R**, MATERIALS Today **Elsevier 2023.**

- **Dr. JALAJA P** presented a paper entitled "Highly Efficient Nio-ZNO Nanocomposites synthesis" in the Second International Conference on Advanced Trends in Mechanical Engineering and Automation Science (ATMA-2023, in association with ELSEVIER) Organized by Department of Mechanical Engineering, Dayananda Sagar University, Bengaluru, India. During 24-26, March 2023.

- **Dr. JALAJA P** has published a paper entitled "Evolution of SnO2 nanoparticles for the electrochemical sensing of dopamine including photocatalytic toxic dyes degradation" ELSEVIER- Sensors International Volume 5, 2024, 100278.

- Link: https://www.sciencedirect.com/science/article/pii/S2666351123000529

EVENTS ATTENDED BY FACULTY

- Dr. JALAJA P Participated in a two day Workshop titled on "Advance training on IPR" held on 23rd & 24th February 2023 at K.S Institute of Technology, Bengaluru

- Dr. JALAJA P Participated in one day Workshop on " Research Methodology and Publication Ethics" organized by the Department of Physics, Chemistry and Mathematics, BMSCE , Bengaluru, held on 18th April 2023.

- Dr. JALAJA P Participated in "NISVAARTH-2023 KSGI 5K MARATHON" "organized by the Department of ECE at K.S Institute of Technology, Bengaluru on 17th June2023.

- Dr. JALAJA P Participated in the Five day Faculty Development Programme on "ADVANCED AND TECHNICAL COMPUTING WITH MATLAB" organized by the Department of Mathematics, School of Engineering, Presidency University, Bengaluru from 25th to 29th July 2023.

- Dr. Kiran Kumar S R Participated in a two day workshop titled Advance training on IPR held on 23 & 24 February 2023 at. K.S. Instiute of Technology Bengaluru.

- Dr. Kiran Kumar S R attended a"National Webinar on Smart Materials and Applications" held on 27th & 28th February 2023 organized by PG & Research Department of Physics, Gonzaga College of Arts and Science for Women, Krishnagiri, Tamil Nadu, India.

- Dr. Kiran Kumar S R Participated in a National Symposium on "Coordination Chemistry & Catalysis" Organized by Department of Chemistry and Waraseoni Chemical Society on February,14, 2023.

- Dr. Kiran Kumar S R attended a International Webinar on Breaking

- Barriers in Science on 14th February 2023 Organized by Department of Chemistry KNM, Nagpur, Maharashtra.

- Dr. Kiran Kumar S R attended a international Conference on ADVANCES IN MATERIALS, CERAMICS AND ENGINEERING SCIENCES, Dayanand Sagar Group of Institution Bengaluru (AMCES-2023) 13- 15, March 2023.

- Dr. Kiran Kumar S R Participated and gave a oral presentation in the **Second International conference on Advanced Trends in Mechanical & Automation Science (ATMA -2023)**", to be held during 24-26, March 2023 at Dayananda Sagar University(DSU), Bangalore-560068, India.

- Dr. Kiran Kumar S R attended a online faculty development Program on Advanced Functional Materials for science and Engineering -2023 Organized by Department of Chemistry on 15 May 2023 to19 May 2023 at Don Bosco Instiute of Technology Bengaluru.

- Dr. Kiran Kumar S R attended a five day faculty development Program on IP incubation and startups from 3rd to 8th August 2023 Organized by KSIT-KSCST IP cell, K.S. Instiute of Technology in association with Patent Information center, KSCST IISc Campus Bengaluru.

- Dr. Kiran Kumar S R attended a five day faculty development Program on Advances in Green Technology and Future Opportunities", organized by First Year Engineering Department, Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune, from 7th August 2023 to 11th August 2023.

- Dr. Kiran Kumar S R attended a International Conference on Recent Trends in Advanced Functional Materials organized by School of Physical Science on 2nd September 2023, P C Jabin science college Hubli

- Dr. Kiran Kumar S R Participated in a webinar Casting Simulation Fundamentals organized by Department of Mechanical Engineering, KSIT in association with The Institute of Indian Foundrymen , Bangalore chapter on 27th September 2023.

- Dr. Kiran Kumar S R attended a international Conference on Multidisciplinary Research in Technology and Management organized by New Horizon college of Engineering Bengaluru 22nd & 23rd September 2023.

- Dr. Kiran Kumar S R attended a INSIGHT FROM LEADERS Program organized by the Department of Mechanical Engineering, KSSEM in collaboration with KS Research and Innovation Foundation on 24th November 2023.

- Dr. Kiran Kumar S R Participated in the 20th edition of Open Source India 2023 (19th & 20th October, 2023).

- Mrs. Shylaja K.R publisheda paper titled on "Acmella oleracea induced nanostructured $Ca_2Fe_2O_5$ for evalution of photocatalytic degradation of cardiovascular drugs and bio toxicity",Heliyon Journal, Volume 9 Issue 5 (May 2023)

- Mrs. Shylaja K.R presented a paper titled on "Advances In materials,Ceramics and Engineering sciences" (AMCES-2023) in the International conference Organized by Dayananda sagar college of Engineering (DSCE) , Bengaluru from 13th to 15 th March 2023.

- Mrs. Shylaja K.R presented a paper titled "Advanced materials for Engineering and Management applications"(AMEMA-2023) the International conference on Organized by Bangalore Institute of Technology held from 18th to 20 th May 2023.

- Mrs. Shylaja K.R attended a 5-day Faculty Development Program (FDP)on "Advanced Functional Materials for science & Engineering -2023(AFMSC) " held at the Don Bosco Institute of Technology, Bengaluru from15th May to 19th May 2023.

- Mrs. Shylaja K.R attended a 5-dayFaculty Development Program (FDP) entitled "IP Incubation and startups" Organized by KSIT, Bengalur, from 3rd to 8th August 2023.

- Mrs. Shylaja K.R attended Insight from leaders program organized by KSSEM on 24th November2023.

- Mrs. Shylaja K.R attended in the two days WORKSHOP titled "Advance training on IPR" held on 23&24 February 2023 at KSIT.

- Mrs. Shylaja K.R attended aone day WORKSHOP on "Research Methodology and Publication Ethics" held on 18/04/2023 at the BMSCE, Bengaluru

- Mrs. Radhika.N.P presented a paper titled on "Advances In materials ,Ceramics and Engineering sciences" (AMCES-2023) in the International conference Organized by Dayananda sagar college of Engineering (DSCE) , Bengaluru from 13th to 15 th March 2023

- Mrs. Radhika.N.P attended a 5-day Faculty Development Program (FDP)on "Advanced Functional Materials for science & Engineering -2023(AFMSC) " at Don Bosco Institute of Technology, Bengaluru from15th May to 19th May 2023.

- Mrs. Radhika.N.P attended a 5-day Faculty Development Program (FDP) entitled "IP Incubation and startups" Organized by KSIT, Bengaluru, from 3rd to 8th August 2023.

- Mrs. Radhika.N.P attended in the 5-days Faculty Development Program (FDP)on "Advanced Functional Materials for science & Engineering -2023(AFMSC) " at Don Bosco Institute of Technology, Bengaluru from15th May to 19th May 2023.

- Mrs. Radhika.N.P attended in the 5-days Faculty Development Program (FDP) entitled "IP Incubation and startups" Organized by KSIT, Bengaluru, from 3rd to 8th August 2023,

- Mrs. Radhika.N.P attended in Insight from leaders program organized by KSSEM on 24th November2023

- Mrs. Radhika.N.P presented a paper titled "Advanced materials for Engineering and Management applications"(AMEMA-2023) the International conference on Organized by Bangalore Institute of Technology held from 18th to 20 th May 2023.

- **Kiran Kumar S.R,** Participated in the INUP - i2i Nano Hackathon at IIT Kharagpur research proposal Submitted with solutions for issues associated with Healthcare based on an Innovative nanoelectronics platform: fabricating sensors, devices, and systems, Project title Highly efficient multipurpose graphene oxide embedded with copper oxide as nanohybrid for electrochemical sensors and biomedical applications, 2023.

- **Kiran Kumar S.R**, 2023 Participated in the INUP - i2i Nano Hackathon at IIT Kharagpur research proposal Submitted with solutions for issues associated with Healthcare based on an Innovative nanoelectronics platform: fabricating sensors, devices, and systems, Project title STRESS DETECTION USING MACHINE LEARNING AND BIOSENSORS

100% RESULTS

SUBJECT CODE	SUBJECT/ SECTIONS	STAFF NAME
BPHYS102	Physics for CSE stream	DR.Madhavi S
BENGK106	Communicative Engish (A,B,D,E,F,G,H & J Section)	Mrs.Anuradha M V
BSFHK158	Scientific Foundations of Health (A,B,C,D & E Section)	Dr.Shobha G
BICOK107	Indian Constitution (B & D Section)	Mrs.Anuradha M V

SUBJECT CODE	SUBJECT/ SECTIONS	STAFF NAME
BCEDK103	Computer-Aided Engineering Drawing (F,G & J Section)	Dr. Umashankar M
BCEDK103	Computer-Aided Engineering Drawing (I Section)	Mr. Anil Kumar A
BCEDK103	Computer-Aided Engineering Drawing (H Section)	MR. Manjunath B R
BIDTK158	Innovation and Design Thinking (F, G I & J Section)	Dr.Shobha G
BKBKK107	Samskrutika Kannada/ Balake Kannada (G, I & J Section)	Mr. Thrimurthy R

TRAINING AND PLACEMENT

ABOUT THE DEPARTMENT :

Dr. Harish R
Training and
Placement officer

At KSIT, We have established a Stand-Alone Training & Placement Department which is equipped with State of the Art infrastructure having 200 Seating Capacity Conference Hall, 125 dedicated systems, 04 Group Discussion Rooms, and 08 inter- view rooms to support On-campus Placement Activities.

We provide extensive training to our students starting form the first semester till their 7th semester on Quantitative Aptitude, Logical Reasoning, Soft Skills(Communication, Group discussion. Interview Skills) etc.

We provide domain specific technical training from experts from the Industry during their Pre-Final year and Final year to prepare them for campus placements.

We also offer various Company Specific Training to eligible students and conduct multiple Mock- Tests before any company visits our institution for Campus Drive

We invite Experts from Industry to address our students on various areas for career enhancement.

We are glad that more than 90% of the eligible students are getting placed every year. Our Aim is to provide employ- ment opportunities to all our students.

We have leading companies in the likes of Infosys, NTT Data, KPMG, Mindtree, Sonata Software, TCS, Wipro, Tech Mahindra, LTI, Capgemini, Cognizant and many more recruiting our students every year.

We have signed MoU's with various industry bodies to facilitate our students to expose to Industry needs and Expectations.

Also the Training and Placement Department organizes various awareness programmes Bi-Annually on GRE GMAT and TOEFL to students who are willing to purse higher education both in India and Abroad.

KSIT established Training and Placement department in 2004 and since its inception the department has been giving numerous opportunities to it students of various branches. The department in has been instrumental in establishing connects with Corporates as well as Industries. We have partnered with various IT companies which visits our campus to recruit our students every year in huge numbers.

We have set the culture of training our students right from their first semester till their last semester on various aspects which will mould them into a through professional and make them industry ready. These training programmes are framed with utmost care keeping the industry expectations and dynamics in mind.

We, at KSIT-Placements make sure that every eligible student gets multiple opportunities with packages ranging 4.00 LPA to 18.0 LPA. We are extremely proud that our students are working in various Multi-National Companies in India and in Abroad.

We also organize various Industry-Readiness Programmers to our students to help them cope up with the changing trends in the Job Market. We have state of the art infrastructure to execute campus drives at our Institution with Large Seminar hall with Audio-Visual Aids, Computer Center with latest configuration systems, Group Discussion Rooms, Interview Rooms etc which facilitate campus drives.

Our Main Goal is make sure every student who graduates from KSIT should have a Job in Hand.

DETAILS FROM JAN 2023 TO DECEMBER 2023

COMPANIES IN WHICH STUDENTS HAVE BEEN PLACED IN THE YEAR 2023:

- JP MORGAN CHASE & CO

- 1LATTICE

- AVAALI

- UST GLOBAL

- ITC INFOTECH

- MAVERIC

- EFI

- SUBEX

- JLL

- LUMOUS LEARNING

- UNACADEMY

- LS DAVAR & CO

- STRATOGENT

- VTIGER

- UNIVISION

- MATHCO

EVENTS CONDUCTED:

- The Training and Placement Department of K.S.I.T conducted "Cyber Security Workshop" in collaboration with Cyber Ninja Technologies Pvt. Ltd at KSIT Campus in coordination with Computer Science Engineering Department on 11th August 2023.

- The Training and Placement Department of K.S.I.T conducted "Personality Development Training" for 3rd Semester students from 16th November 2023 to 22nd November 2023 and 5th Semester students from 23rd November 2023 to 28th November 2023.

- The Training and Placement Department of K.S.I.T conducted a Training sessions on "Communication Skills" for all 1st year students from 3rd August 2023 to 8th August 2023.

LIBRARY AND INFORMATION CENTRE

ABOUT THE DEPARTMENT :

DR. V BHARATHI

Chief Librarian

KSIT library as a resource centre for teaching, learning and research. Being the hear of the academic centre, it's home for all information services. It provides continuou access to knowledge and information in the library to the students and faculty of the institute for achieving excellence in their chosen discipline. Library has spread over two floors with 200 seating capacity, state-of-art Digital library, Discussion room Stack area, Reference section, Circulation counter, OPAC search, Journals/ Mag zines and News paper sections are made available.

Under-Graduate	
Volumes	36290
Titles	4986
Print Journals	06
E-Journals	6671
E-Books	18236

Post-Graduate	
Volumes	198
Titles	630
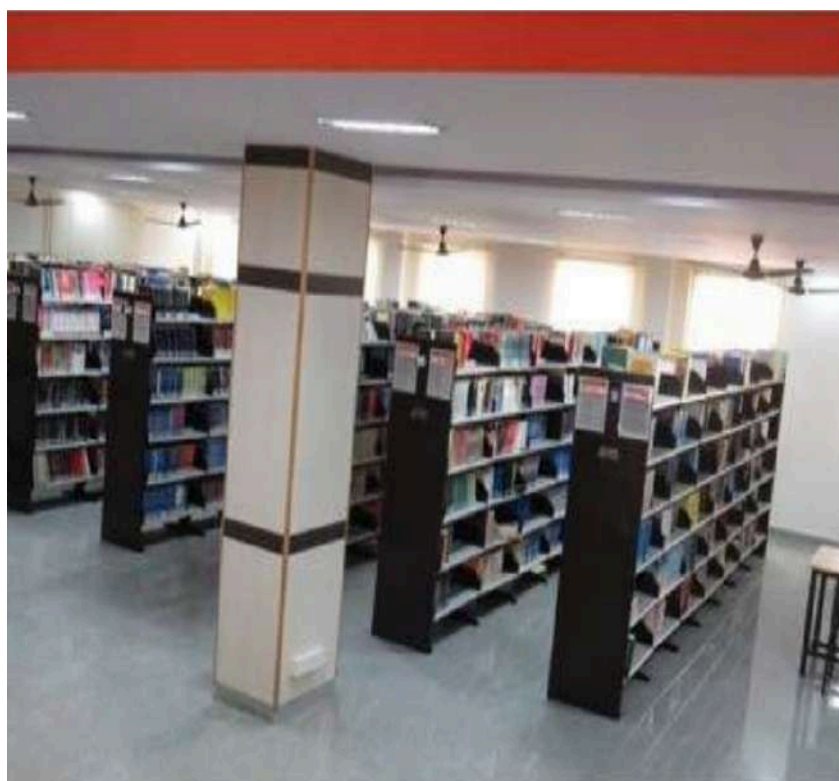
NATIONAL SERVICE SCHEME(NSS)

- NSS cell, KSIT organized seminar on "**Road safety**" on 17th January 2023 at college premises to share knowledge and guide students while driving on the road. RTO officers from Jayanagar police dept, Principal, NSS coordinators and students were present. Objective of this seminar was to take precautionary measures while driving and also usage of regulatory, warning and guide signs.
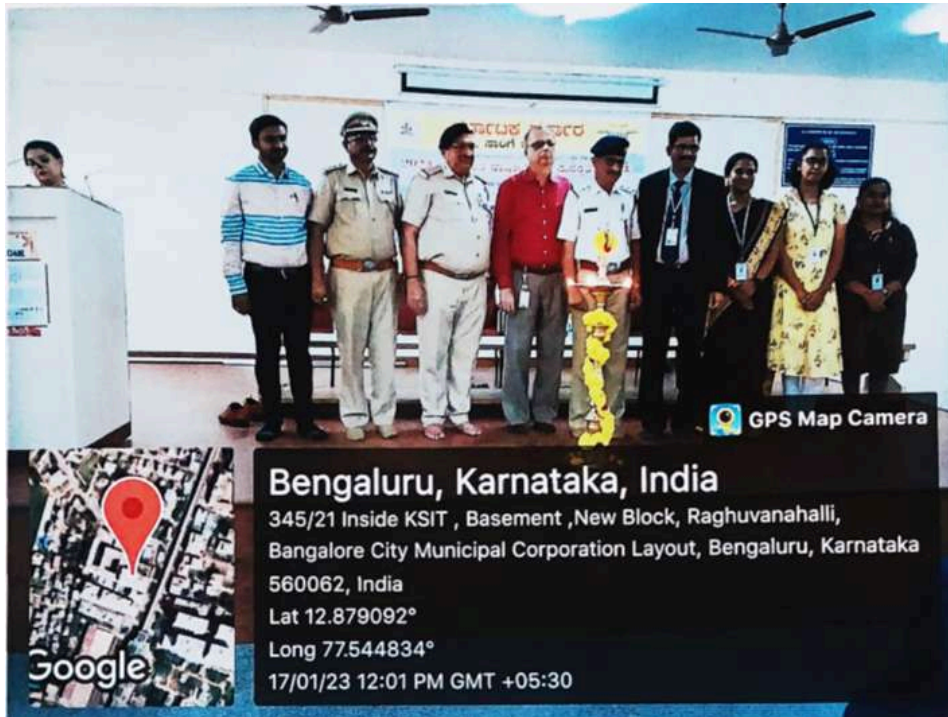
- NSS youth students attended a program on "**Yuva Sambhashane with common man CM**" organized by government of Karnataka on 18th January at RV dental college.

- Covid-19 task team and NSS cell, KSIT organized "**Free Vaccination drive**" on25th January 2023 at college premises to create awareness among staffs and students about Covid-19 to create healthy environment in the institution. Primary health care officials of primary health centre, Anjanapura, Bangalore visited our campus. Total 24/7 get vaccinated.

- The institution in association with NSS unit organized Republic Day at college premises on 26th January 2023. The management, teaching and non-teaching staffs were present in the event.

- NSS cell, KSIT organized "**Fire Extinguisher-Do's and Dont's awareness program**" on 13th March 2023 at college premises. The objective of the program was to create awareness about the preventive measures during fire accidents.

- NSS cell, KSIT celebrated "**Earth Day**" on 22nd April 2023 at college premises which calls for collective transformative action on a global scale to protect and restore our planet earth.

- NSS cell, KSIT in association with Institution's Innovation Council organized "**Environmental day**" on 5th June 2023 at college premises to create awareness about earths existing conditions in terms of environment. Principal KSIT, CEO, All the department heads and NSS Volunteers were present. The objective of the program was to calls for collective, transformative action on a global scale to celebrate, protect and restore our planet Earth.

- "**International Yoga Day**" was organized on 21st June 2023 by NSS cell, KSIT in association with Institution's Innovation Council and applied science and humanities a   college premises to promote importance of yoga. All staffs and students were taught the importance of yoga in life to maintain the harmony between body and mind.

- NSS Special Camp-Abhyudaya was held at Kemmale, Sathanur hobli, Kanakapura Taluk, Ramanagara district from 22nd June 2023 to 28th June 2023 to create awareness regarding cleanliness.

- NSS unit of KSIT in association with Anti Sexual harassment Committee organized "**Drug Awareness Program**" on 26th June 2023 to create awareness about the deadly impacts of drugs on human body. Sri. Siddaraju, Inspector, Department of Police Thalaghattapura addressed for the 6th semester students.

- NSS wing of KSIT under the umbrella of National Service Scheme (NSS), in association with Rotary Club Vidyapeeta Bangalore and Indian Red Cross Society organized "**Blood Donation Camp**" on 8th July 2023 at KSIT. The camp was inaugurated with a motivating session by the experts and senior doctors to make students aware about the importance of this best practice.

- The 77th Independence Day was celebrated on 15th August 2023 at KSIT campus. NSS Unit of KSIT took an initiative in preparing the event. President Sri. R. Rajagopal Naidu, secretary Sri. R. Leela Shankar Rao and Treasurer Sri. T. Neerajakshulu Naidu and directors of K S management were present on the occasion.

- NSS wing of KSIT under the umbrella of National Service Scheme (NSS) organized an event on "**KANNADA RAJYOTSAVA**" on 1st November 2023 at KSIT, Bangalore. The Program was inaugurated by welcoming all the dignitaries, Principal, HOD's of all departments and staff members of all departments, students and NSS volunteers.

GRADUATION DAY

The K.S. Group of Institution had its graduation day of both K.S.I.T and K.S.S.E.M celebrated on 16th April,2023 for batch 2018-2022 at K.S.I.T campus and 07th October,2023 for batch 2019-2023 at the beautiful K.S.S.E.M campus. The graduation day a cherished dream of every student in his/her academic life was done on massive scale. The dignitaries' chief guest on 16th April,2023 Dr. Vidyashankar, VTU Vice Chancellor and on 07th October Dr. Sitharam, Chairman AICTE along with management committee members including our Honorable Secretary Sri R. Leela Shankar Rao, President Sri. R. Rajagopal Naidu, Treasurer Sri. T. Neerajakshulu Naidu, CEO Dr. K. V. A. Balaji, KSIT Principal Dr. Dilip Kumar K, HOD CSE-Dr. Rekha B. Venkatapura, ECE –Dr. P. N. Sudha, ME-Dr. M. Umashankar, TCE-Dr. Chanda V Reddy, AI&ML-Dr. Vaneetha .M enter the Quadrangle in Procession.

Graduation day procession

Graduation day procession   **Dignitaries on dias**

The program started with Nadageethe followed by Invocation prayer by Sumukha and team. Further, the crowd was welcomed by our principal, Dr. Dilip Kumar K with a speech addressing Chief guests, members of management, PhD graduates, MTech, B.E graduates and parents, by emphasizing significance of the ceremony followed by President declaring the "Graduation Day Open"

Welcome to chief guest and guest of honour

Felicitation of chief guest and guest of honour

DEPARTMENT OF PHYSICAL EDUCATION & SPORTS

KS institute of technology, Department of Physical Education & Sports is a cell of major activity in the Campus. Visvesvaraya Technological University (VTU, Belagavi). The Department of Physical Education & Sports is well equipped with modern infrastructure and conducts activities like Basketball, Volleyball, Badminton, Table Tennis, Cricket, Handball, Football, Netball, Chess, and Athletics.

ABOUT THE DEPARTMENT :

Mr. Shiv Prakash
Physical Education
Director

Physical education is an integral part of the total education. Quality physical education programs help all students develop health-related fitness, physical competence.cogn tive understanding, and positive attitude about physical activity, so that they can adopt healthy and physically active lifestyles. The department of Physical Education at The Kammavari Sangham Institute of Technology aims at such activities which helps the students develop a holistic approach. The students have participated in many various tournaments conducted by V.T.U, all India universities, district, state & national events and have brought laurels to their institution. We are proud to be one amongst the 10 College of VTU to Received Meritorious institutions Cash Award of 1 Lakh for sports achievement for the academic year 2015-16 in VTU sports.

List of Sports Activities & Achievements from Jan 2023 – Dec 2023

Sl. No.	Tournament/Competition	Held at	Date	No. of Students	Inter National /National/State/ University /Zonal	Achievement
1	VTU, Inter Zone Cricket Selection (M)	SJCIT Chikballapur	13th Jan 2023	1	State level	Participated
2	VTU, Intercollegiate State level Power lifting Competition (M & W)	VVCE Mysore	9th & 10th Jan 2023	1	State level	Participated
3	VTU, Intercollegiate Cricket Selection (M)	DBIT Bengaluru	6th Jan 2023	2	VTU, Bengaluru South Zone Team Selection Trails	TALLURU MAURYA , 7th CSE , 1KS19CS100 qualified for Inter Zone
4	VTU, Intercollegiate Base Ball Selection (M & W)	DBIT, Bengaluru	5th Jan 2023	2	VTU, Team Selection Trails	Participated
5	VTU, Intercollegiate Hand Ball Selection (W)	RVCE Bengaluru	4th Jan 2023	1	VTU, Team Selection Trails	Participated

6	Sports day of K S Group (KSIT, KSSEM, & KSSA)	UCPE, Jnanabharathi Bengaluru	25th March 2023	600	KS Group Athletic meet	Overall team championship secured ECE Department
7	VTU, Intercollegiate Bengaluru South Division Cricket tournament (M)	DBIT, Bengaluru	9th March 2023	15	Inter-Collegiate	Participated
8	VTU , State level Athletic Meet	VTU, BE\elagavi	20th to 24th May 2023	9	State level	Participated
9	VTU, Bangalore South Division **Badminton** Tournament (M & W)	RNSIT, Bangalore	18th & 19th July 2023	10	University level	Participated
10	VTU, Bangalore South Division **Table Tennis** Tournament (M & W)	JSSATE , Bangalore	12th & 13th July 2023	7	University level	**Women's team Secured 2nd Place & qualified for State level Competition**
11	VTU , State level **Cross Country** Event (M &W)	Dr.TTIT, KGF , Kolara	10th July 2023	8	State level	CHAITANYA K, Dept. of ECE, Participated & Secured 9th Place
12	VTU, Bangalore Division **Football** Tournament (M)	T John IT Bangalore	23rd & 24th Aug 2023	16	University level	Participated
13	VTU, State level **Taekwondo** Competition (M & W)	SIT, Tumkur	21st Aug 2023	01	University level	**Tirumala Ganesh Bharadwaj Sharma,2nd** ECE , 1KS22EC108 , Secured **3rd place** in above 87Kg Category
14	VTU, State level **Swimming** Competition (M & W)	MSRIT Bangalore	9th Aug 2023	03	University level	Participated
15	VTU, Bangalore Division **Chess** Tournament (M & W)	BGSCIT Bangalore	7th & 8th Aug 2023	09	University level	Participated
16	1st Senior State level **Dodgeball** Championship Affiliated to Dodgeball Federation of India (M&W)	St.Benedtic's Academy , Anchepalya , Bangalore	10th Sept 2023	02	State level	**Dhanush P, 7th AI&ML, 1KS20AI009, & Chaitanya K, 7th ECE, 1KS20EC012,** Secured Winner's trophy.
17	VTU, State level **Weight lifting & Best Physique** Competition (M & W)	Vemana IT Bangalore	1st & 2nd Sept 2023	01	University level	Participated
18	4th ATO Cup Open International Taekwondo Championship - 2023	Orchid Arena Garden , Kolkata - India	26th Nov 2023	01	**Inter National Championship**	**Tirumala Ganesh Bharadwaj Sharma, 3rd sem ECE , 1KS22EC108 , Secured Gold Medal in above 80Kg Category**

19	VTU, Bangalore South division Cricket Selection for men	GAT, Bangalore	4th & 5th Nov 2023	04	Bangalore South division	Tarun R , 1st sem CSE , got Selected for State level Cricket team selection which is going to be held at PESCE, Mandya on 21st to 23rd Nov 2023.
20	State level Throw Ball Women	GAT , Bangalore	27th Nov 2023	12	State level	Participated & reached up to semifinals
21	VTU, Bangalore South division Cricket tournament for men	ACSCE, Bangalore	1st Dec 2023	16	Bangalore South division	Participated
22	The 61st Nationals Roller Skating Championships (Inline hockey)2023	Chandigarh	13 to 22 December 2023.	1	National / India	Pavithraa G, Department of CSD, Secured Bronze medal in the 61st Nationals Roller Skating Championships (Inline hockey)2023
23	Inter department sports organized	KSIT Bangalore	4th to 29th Dec 2023	1150	Inter department	Department of ECE Students & AS & H Staff Secured Rolling trophy.

Vishnu Priya GS, 1KS23CM060, Department of CCE, Represented Ball Badminton Association of Karnataka, secured 3rd place in the 68th junior National level, Ball Badminton Championship held at Patliputra Sports Complex, Kankorbagh, Patna, Bihar from 10th to 14th March 2024.

VTU, Intercollegiate State level Power lifting (M & W) Competition hele at VVCE, Mysore on 9th & 10th Jan 2023 our student Kushal MJ , 3rd CSD , 1KS21CG025 has Participated and he has lifted(Squat – 90Kgs , Bench Press –60 Kgs , & Dead Lift – 110 Kgs) 260Kgs up to 76 kg Weight category.

VTU, Intercollegiate BengaluruDivision Kho-Kho tournament (W) held at GAT, Bengaluru on 30th & 31st Dec 2022 .Our College Students has taken part in this tournament.

Participated in VTU , State level Athletic Meet held at VTU, Belagavi from 20th to 24th May 2023

VTU, Intercollegiate State level Cross-Country Event (M & W) held at Sairam College of Engineering , Anekalon 27th &28th Jan 2023 our collegestudent HARISH M.V , 1st sem ECE has participated in this event.

VTU, Bangalore Southdivision Kabadditournament for men held at RRCE , Bangalore on 15th &16th Feb 2024. 1st match we won against RVITM and 2nd match played against ACSCE, Bangalore.

Department of Physical Education and Sports organized the Annual Sports Day on 25th March 2023 at UCPE stadium, Jnana Bharathi Campus, Bangalore University, Bangalore. Individual championship secured Kushal Kadam, 6th Sem Mech & Sanjana V, 3rd Sem ECE . ECE Department Secured Overall champion ship.

Pavithraa G, Department of CSD, Secured Bronze medal in the 61st Nationals Roller Skating Championships (Inline hockey)2023 - held at Chandigarh from 13 to 22 December 2023.

Tirumala Ganesh Bharadwaj Sharma, 3rd Sem, ECE,1KS22EC108, Secured Gold Medal in 6th National level Taekwondo championship (weight category above 87kg) was organised by VIFA Taekwondo trainingcenter held at Bangalore University Gymnasium hall, Bangalore on 27th and 28th January2024.

ANANYA 2K23

Ananya an annual cultural and technical fest organized by the students of K S Institute of Technology. The cultural activities enhance the confidence level of the students thereby allowing them to perform better. These activities develop the personality of the students and assist them in shaping a good career. In fact, students can also leverage the advantage of participating and conducting in various activities.

This year K.S INSTITUE OF TECHNOLOGY decided to have its annual fest ANANYA 2023 with the theme "ಏಕೋ".

The team of Ananya consists of chief co-ordinators, faculty co-ordinators and student coordinators named as core committee, various clubs and core volunteers without whose help, Ananya couldn't be a full fledged event. Their dedication towards the task and duties to meet the expectations for the much awaited event of Ananya was all worth to be successful.

The most awaited day for every individual was the final day, all the core committee members and the clubs came together to give a last bash of the event. The event was a fully fledged with a grand success. It was a lit in every one's eye. The moment of meeting their celebrity Renowned Actress and Model Ms. KAMNA JETHMALANI was the Chief Guest of ANANYA 2023. The Inauguration program started at 9.00 am in the morning with chief guest, Management, CEO, Principal, Chief Coordinator and Student core coordinators.

The program went on with all the events scheduled there onwards till grooving to the DJ night, the efforts was all worth the end.

NISVAARTH 5K MARATHON

Department of Electronics and Communication in association with IEEE,WIE & SPS, KSIT organized a 5K marathon " NISVAARTH" on 17thJune 2023. This marathon is organized to raise money for an orphanage. On the marathon day, all the participants assembled at the quadrangle of KSIT at 6:00AM. Warm up session started at sharp 6.00 am with four trainers. The runners comprised of KSGI students and staff. The bibs were distributed to every participant. Dr. Dilip Kumar, Principal, KSIT, Sri. R Rajagopal Naidu, President, KSGI and Sri.Leela Shankar Rao, Hon. Secretary, KSGI and Sri T. Neerajakshulu, Treasurer, KSGI inaugurated the marathon by giving a good start to the students.

The run started from KSIT for 5kms, with 5 stalls in total, at every 1km. Each stall was provisioned with glucose, water, and first-aid kits, to boost the runners and to assist them throughout the run. After a successful completion of the marathon, buses were arranged for the runners to bring them back to the college. Once all the participants returned to the college, breakfast was offeredto all.

Further, in the presence of our principal, HOD and other privileged staff and people, the winners and runners of the marathon were awarded with the medals and certificates. All the enthusiastic participants were presented e-participation certificates and medals for their successful completion of the 5k marathon.

ALUMNI MEET

Alumni meet was organized on 24th February 2024 in KSIT Quadrangle at 4:30 PM and around 600 Alumni students participated in the event. Mr. Jayshankar N alumni of 2003 ,Competency Manager, Adobe was Chief Guest and Mr. Vinay Kashyap Simha, Actor Alumni Of 2016, was the guest of honor of the function. The Alumni function was Presided By Sri. R. Rajagopal Naidu President, Kammavari Sangham.Sri. R. Leela Shankar Rao Hon. Secretary, Kammavari Sangham Sri. T. Neerajakshulu Naidu Treasurer, Kammavari Sangham Dr. K.V.A. Balaji CEO, KSGI grace the occasion.

Dignitaries on dais

Dignitaries on lighting lamp

Felicitation to chief guest and guest of honor

EDITORIAL TEAM

EDITOR IN CHIEF: Dr. Dilip Kumar K (Principal)

CHIEF CO-ORDINATOR   Ms. Anuradha MV (AS&H)
& EDITOR:

FACULTY CO-ORDINATORS: Ms. Preetha Kamath B (AIML)
                          Dr. Surekha Byakod (CSD)
                          Ms. Pallavi K N & Ms. Rashmi H (CSE)
                          Ms. Rachana V Murthy (IOT)
                          Ms. Naga Jyothi T (CCE)
                          Ms. Sangeetha V, Ms. Ramya K R (ECE)
                          Mr. Ranganath N & Ms. Thejaswani (ME)

STUDENT CO-ORDINATORS: Gurushankara M (ECE)
                          Varun Sai V (CSE)
                          Thanushree, Surabhi & Pavan (AIML)
                          P R Prajwal Kumar (ECE)
                          Abhijith R (ECE)