




Kammavari Sangham (R) 1952

K.S. GROUP OF INSTITUTIONS

K. S. INSTITUTE OF TECHNOLOGY

An Autonomous Institution under VTU, Approved by AICTE
Accredited by **NBA** (CSE & ECE), NAAC with **A+**

KSIT
K.S. INSTITUTE OF TECHNOLOGY

 No.14, Raghuvanahalli, Kanakapura Road,
Bengaluru - 560109

PRAGATHI

THE OFFICIAL MAGAZINE OF KSIT

ISSUE 2025

DEPARTMENT OF

COMPUTER AND COMMUNICATION ENGINEERING

Connecting Ideas, Creating Futures



INNOVATE
to inspire
tomorrow



CODE
with
purpose



COLLABORATE
for greater
impact



CREATE
a better
future

THINK. BUILD. CONNECT. EMPOWER.
TOGETHER, WE ENGINEER THE FUTURE.

2025

DEPARTMENT OF COMPUTER AND COMMUNICATION ENGINEERING

ABOUT THE DEPARTMENT :



Dr . Chanda V. Reddy
Prof. & Head

On behalf of the department, I extend sincere appreciation to our editorial team for their remarkable efforts in showcasing the talents, achievements, and key milestones of both faculty and students through the departmental newsletter. KSIT continues to be recognized as a premier institution providing quality technical education rooted in strong ethical values. The CCE department is committed not only to academic excellence but also to the all-round development of students by adopting varied and innovative teaching–learning practices. We strongly emphasize experiential and hands-on learning, offering multiple platforms that encourage creativity, innovation, and critical thinking among students. Our committed faculty and support staff work diligently to guide students toward success through a balanced approach that combines traditional lectures, interactive sessions, and project-based learning experiences. With the mentorship of our experienced educators, we aim to empower a diverse student community to realize their potential, transform their aspirations into achievements, and strive for excellence. Students are encouraged to actively participate in both curricular and extracurricular activities, ensuring a holistic educational experience that prepares them to emerge as competent professionals, future leaders, and industry-ready engineers equipped to meet global challenges.

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:

- MRS. SHILPA.M , ASSISTANT PROFESSOR
- MRS. SARITHA.D , ASSISTANT PROFESSOR
- MRS MANGALA HIREMATH , ASSISTANT PROFESSOR

LATEST TECHNOLOGY:

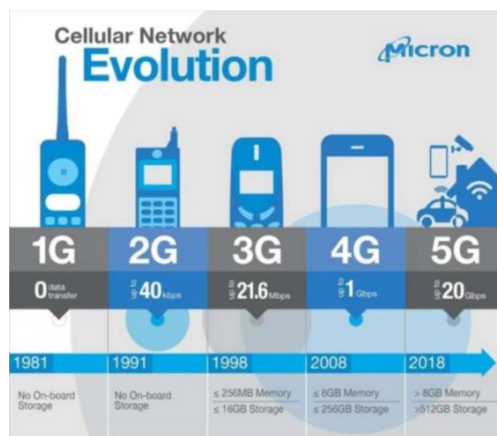
Machine Learning:

Machine learning enables insights from massive data but is resource-intensive. AutoML automates tasks like data cleansing and parameter selection, reducing technical effort. It allows non-experts to use ML effectively. Key benefits include improved text classification, faster data management, and fraud detection.



5G Network:

5G networks enhance speed, capacity, and reduce latency. 5G standalone (5G SA) eliminates reliance on 4G, offering better coverage, lower latency, and cloud-based architecture. Key benefits include reliable remote control of robotics, widespread secure internet access, and improved inventory management.

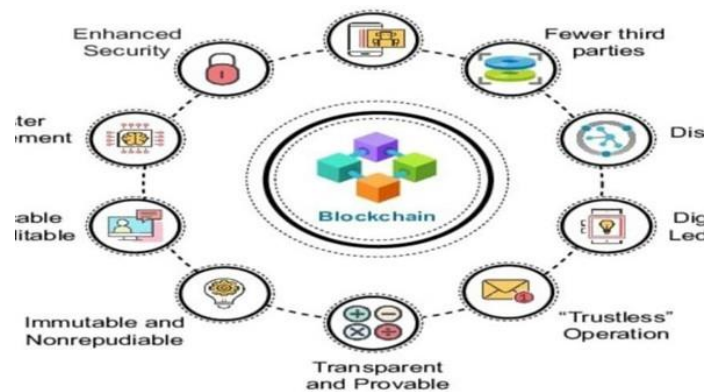


Advantages of 5G network are reliable remote control of machinery, robotics and other devices secure, controlled and widespread internet access unlimited by geography, more accurate inventory management across all industries.

Blockchain Technology:

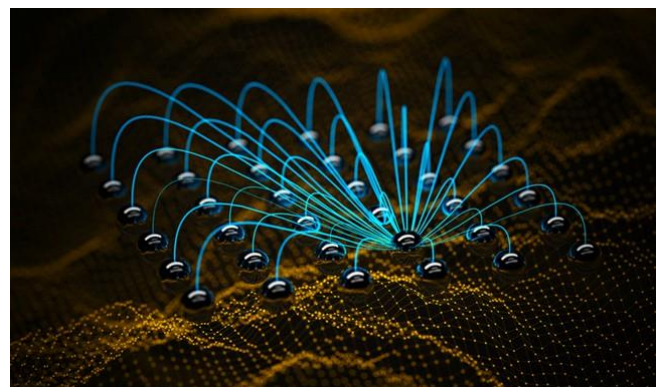
Blockchain is helping to keep data more secure and creating a reliable history of transactions. The applications extend far beyond that of cryptocurrency. The rise in supply chain issues and the increased digitization of currency is creating new use cases for blockchain.

With its indelible transaction history, blockchain is helping to give real-time insight into the tracking of goods from creation to distribution, relieving some of the bottlenecks that are created in the supply chain. In financial services, blockchain is now being applied to streamline banking and lending in the face of digitization and reducing operational risks with verified history. Advantages of Blockchain Technology are improved supply chain tracking and management, better protection of intellectual property, secure peer-to-peer transactions.



Quantum Networking:

Quantum networking is the emerging field of using quantum mechanics to build communication networks that go beyond classical systems. It relies on phenomena like entanglement and superposition to transmit quantum states securely between nodes. This enables unique capabilities such as quantum teleportation, ultra-secure communication, and linking quantum computers across distances. While still in early stages, quantum networking promises breakthroughs in secure data transfer, distributed quantum computing, and advanced sensing technologies.

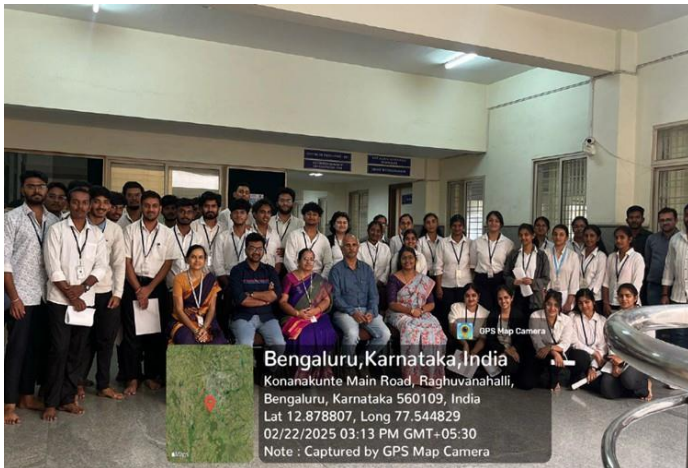


EVENTS CONDUCTED:

- The Department CSE-CCE successfully organized ONE DAY INDUSTRIAL VISIT for 4th Sem students to the Indian Space Research Organization. The visit took place on 10/02/2025, at the Indian Space Research Organization (URSC), Bengaluru.



- The Department of CSE-CCE organized a TECHNICAL TALK on “RESEARCH IN AFFORDABLE MEDICAL DEVICES” by Mr. Deepak V Ingale, Research Scientist, Affordable Medical Devices Lab, CIIRC, Jyothi Institute of Technology, on 22/02/2025.



- The Department of CSE-CCE organized a TECHNICAL TALK on “CLOUD COMPUTING” by Mr. VARUN KUMAR N., Senior Manager, Fidelity International, Bangalore, on 29/03/2025.
- The Department of CSE-CCE organized a skill development program using PYTHON by Mr Sanjay S. C, Master Trainer at Edunet, Bangalore from 18/8/2025-23/08/2025.
- The Department of CSE-CCE organised a industrial visit to Bengaluru Tech Summit on 19/11/2025.
- The Department of CSE-CCE organised a Industrial Visit to VOLTX EV Private Limited, Bangalore on 30/10/2025.

- The Department of CSE-CCE organized a TECHNICAL TALK on the “MICROCONTROLLERS IN THE EVERYDAYPRODUCTS: FEATURES, FUNCTIONS AND CHALLENGES” by Mr. Velishala Krishna, Lead Engineer, Embedded software engineering, AO smith India, Bangalore, on 05/05/2025
- The Department of CSE-CCE organized a Web Development Program conducted by Dhanush D.B, Chief Operating Officer(COO) at Gonagoor Technologies, Bangalore from 22/08/2025-24/08/2025.
- The Department of CSE-CCE organized workshop “TECHMANTHAN” by Mr. Keerthan Gowda S Software Engineer at Celstream Technologies on 30/08/2025.
- The Department of CSE-CCE conducted UTHKARSH technical event Under ECHELON club on 11/10/2025.



- The Department Of CSE-CCE organised a technical talk On DEEP LEARNING by Mr. Prashanth Raghu, Founder & CEO of Gonagoor, Bangalore on 24/10/2025.
- The Department OF CSE-CCE organised a industrial visit to Government tool Room and Training Centre on 11/11/2025.
- The Department of CSE-CCE organised a workshop on PCB layout design using ORCAD by Mr Rajesh Sudi, Senior Embedded Engineer from 14/11/2025-16/11/2025.



INTERNATIONAL JOURNAL

PUBLICATIONS:

- Mrs. T. Nagajyothi Assistant Professor “Identifying Health Insurance Fraud Using The Random Forest Classifier for Claims Published in Volume 10 Issue 6, June-2025, Impact Factor: 9.15 by Google Scholar Co-Authors- Hajira Anwar, Arshiya J, BS Aishwarya, Umme Hani” UGC approved, Paper ID-IJSDR2506177 [ISSN:2455-2631].
- Mrs. Shilpa M. Assistant Professor “Sign Language-Speech to Image Converter for Hearing Impaired Published in International Journal on Science and Technology (IJSAT) Volume 16, Issue 2, April-June 2025” UGC approved, Paper ID: IJSAT25026218 [E-ISSN: 2229-7677].
- Mrs. Shilpa M. Assistant Professor “Gesture-Controlled wheelchair Published in International Journal on Science and Technology (IJSAT) Volume 16, Issue 2, April-June 2025” UGC approved, Paper ID: IJSAT25026096 [E-ISSN: 2229-7677].
- Mrs. Shilpa M. Assistant Professor “Gesture-Controlled wheelchair Published in International Journal on Science and Technology (IJSAT) Volume 16, Issue 2, April-June 2025” UGC approved, Paper ID: IJSAT25026096 [E-ISSN: 2229-7677].
- Mrs. Mangala S. Hiremath Assistant Professor “Campus Explorer for Augmented Reality Published in International Journal on Science and Technology (IJSAT) Volume 16 | Issue 2, April-June 2025, Impact Factor: 9.88” UGC approved [ISSN: 2229-7677].
- Mrs. Mangala S. Hiremath Assistant Professor “Adhaar Prescription System Published in International Journal of Scientific Development and Research (IJSDR) Volume 16 Issue 2 April-June 2025, Impact Factor: 9.88” UGC approved, Paper ID: JISAT5780 [ISSN: 2229-7677].
- Mrs. D. Saritha Assistant Professor “Early diagnosis of pancreatic Cancer Using Deep Learning Based Intelligent System Published in International Journal on Science and Technology (IJSAT) Volume 16, Issue 2, April-June 2025”.
- Mrs. D. Saritha Assistant Professor “Smart Vending Fridge Published in International Journal of Engineering, Technology and Science (IJETS) Volume 07, Issue 05, May 2025”.
- Mrs. D. Saritha Assistant Professor “Emergency vehicle Mobility Efficiency Routing Guidance Enhancement Published in International Journal of Emerging Technologies and Innovative Research (JETIR) Volume 12, Issue 5, May-2025”.
- Dr Chanda V Reddy “International Advanced Research Journal in Science, Engineering and Technology Impact Factor 8.311, Peer-reviewed & Refereed journal Vol. 12, Issue 7, July 2025”.

- Dr Chanda V Reddy “International Advanced Research Journal in Science, Engineering and Technology Impact Factor 8.311, Peer-reviewed & Refereed journal Vol. 12, Issue 7, July 2025”.
- Mrs. Shashikala H C Published in Volume 12 Issue 7, July -2025, Impact Factor: 8.57 by Google Scholar Co-Authors Hemanth K E, R Shreya, Neelanjali C, Nishal R, July 2025.
- Mrs. D. Saritha Assistant Professor “International Journal of Creative Research Thoughts Volume 13, Issue 7, July 2025.”
- Mrs Shilpa M “International Advanced Research Journal in Science, Engineering and Technology Impact Factor 8.311 Peer-reviewed & Refereed journal Vol. 12, Issue 7, July 2025.”
- Mrs. T Nagajyothi Assistant Professor “Published in: Volume 10 | Issue 9 | September-2025, Impact Factor: 9.15 (Calculate by Google Scholar) | License by Creative Common 3.0 Authors: Nithiya V, T.Naga Jyothi, Pavan R, Srilakshmi P Y, Y Kiran, July 2025”.

ACHIEVEMENTS BY STUDENTS:

- Vishnu Priya G. S. participated in the National Level Ball Badminton organized at Devgram, Maharashtra held between 17th January, 2025 to 21st January, 2025.
- Manya Arun participated in the National Level Hackathon conducted at RV Institute between 11th April, 2025 and 12th April, 2025.
- Brinda S, Kundan Kumar secured second place in the Bills & Banter conducted as part of Esperanza by DSATM on 9th May 2025.
- Shreedhanya participated in National Seminar organized by The Institution of Engineers (India) on Sept 15th 2025.
- Brinda S participated in National Seminar organized by The Institution of Engineers (India) on Sept 15th 2025.
- Nithiya V participated in National Seminar organized by The Institution of Engineers (India) on Sept 15th 2025.
- Brinda S participated in Debate organized by The Institution of Engineers (India) on Sept 15th 2025.
- Nikhil, Geetha, Sumedha, Deepak R Pise, Mrinal Deshpande, Tejas L, Vaishnavi S and Arun have participated and also won the inter-department drama competition.
- Mohammed Fahim and Sagar R. S. Koushik were the members of music team have mesmerised the college with his music.
- Anush S and Shreedhanya the CORE COORDINATORS have taken part as coordinators in the fest by managing the event and taking care of the event.

TOPPER'S LIST :

IV SEMESTER		
USN	NAME	PERCENTAGE
1KS23CM043	SHUBAN S	87.56
1KS23CM035	PREKSHA G	86.56
1KS23CM018	KRUTHIKA SR	86.11

VI SEMESTER		
USN	NAME	PERCENTAGE
1KS22CM011	BRINDA S	94.89
1KS22CM043	SAKSHI SINGH	94.67
1KS22CM005	ARSHIYA J	94.44