KCG
COLLEGE OF TECHNOLOGY
AFFILIATED TO ANNA UNIVERSITY | AUTONOMOUS

EMPOWER DREAMS · ENGINEER REALITIES

NBA
NATIONAL BOARD
ACCREDITATION
CSE, ECE, IT, MECH, AERO

A+ NAAC

nirf

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

P R E S E N T S

CODERS ⌘ CONNECT

VISION

The department of Computer Science and Engineering desires to become a prominent centre of excellence for producing competent IT professionals for providing software and software enabled solutions.

MISSION

- Provide quality education in the field of computer science and engineering & related domains
- Facilitate socially responsive research and innovation
- Inculcate professional behaviour, a spirit of entrepreneurship and commitment to the progress of the nation
- Accommodate evolving software development tools and required implementation facilities

EDITORIAL'S DESK

Welcome to the heart of innovation and education at KCG College of Technology, where our department serves as the engine driving intellectual growth and personal development. We are dedicated to sculpting well-rounded individuals who not only excel academically but also embrace the broader aspects of life. Our approach combines the best of academia with real-world experience, creating a dynamic environment where students can hone their skills and shape their character. We don't just produce graduates; we cultivate future leaders who will make a positive impact on the global stage.

CODER'S CONNECT TEAM

ROSHINI. S
2ND YEAR

SAHANA. S
2ND YEAR

PRIYANKA.K
2ND YEAR

PRANESH
2ND YEAR

Faculty Research Publications

"Research and action are the twin pillars of progress and enlightenment, forever intertwined in a dance of discovery and implementation. Research, with its relentless pursuit of truth, fuels our understanding of the world, while action transforms that knowledge into tangible progress. Together, they propel humanity forward, pushing the boundaries of knowledge and paving the way for a future defined by understanding and possibility."

Dr.Cloudin S

- Dr.S.Cloudin,"**Driver behaviour prediction and enhanced ad hoc on-demand distance vector routing protocol in VANET**",International journal of communication system, Volume 37, Issue2,02,November2023,DOI:https://onlinelibrary.wiley.com/doi/epdf/10.1002/dac.5650.

- Dr.S.Cloudin,"**Real Time Fake Logo Detection**",IEEE,Kollam,India,22,September 2023,DOI:https://doi.org/10.1109/ ICCPCT58 313.2023.1024564

- Dr.S.Cloudin,"**Smart Vehicle Health Monitoring System Based On ARIMA and Ordinal Logistic Regression for Analysis of Vehicle Parameters**",IEEE,Kollam,India,26,January 2024,DOI:10.1109/ICSCAN58655.2023.1039545

- Dr.S.Cloudin,"**Enhanced System for the Prediction of Vehicle Condition.**",EBSCO,2023, Vol 15, Issue 4, p944,DOI:10.4273/ijvss.15.7.14.

Dr.Krishna.B.V

- Dr. Krishna B V, **"An efficient spam detector model for accurate categorization of spam tweets using quantum chaotic optimization-based stacked recurrent network"**,Springer Link,Kollam,Volume 111, pages 18523–18540,21,August2023,DOI:https://doi.org/10.1007/s11071-023-08697-z.

- Dr.Krishna B V,"**Exploration of sentiment analysis in twitter propaganda: a deep dive"**,SpringerLink,19,October2023,DOI: https://doi.org/10.1007/s11042-023-17383-6.

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Dr.Jothi.S

- "Dr.Jothi.S,"**An optimal hybrid AI-ResNet for accurate severity detection and classification of patients with aphasia disorder"**,SpringerLink,11,August2023,Volume 17,pages39133922,DOI:https://doi.org/10.1007/s11760-023-02620-0.

- Dr.Jothi.S,"**An optimal hybrid AI-ResNet for accurate severity detection and classification of patients with aphasia disorder"**,SpringerLink,10,August2023,Volume 17,pages44654473,DOI:https://doi.org/10.1007/s11760-023-02680-2.

Dr.Pari.R

- Dr.Pari, "**YouTube Video Spam Comment Detection Using Light Gradient Boosting Machine"**,IEEE,2023DOI:10.1109/ICIRCA57980.2023.10220615.

Dr.Prasath.R

- Dr.Prasath R, **"Design and Implementation of a Pet Care and Tracking System"**,IEEE, 07,June2023,DOI:10.1109/ICONSTEM56934.2023.10142399.
- Dr.Prasath.R,**"Unleashing Custome Insights: Segmentation Through Machine Learning"**, IEEE,04,September2023,DOI:10.1109/WCONF58270.2023.10235136.

Mr.Vasanth Kumar.V

- Mr.Vasanth Kumar,**"Developing a conceptual framework for short text categorization using hybrid CNN- LSTM based Caledonian crow optimization"**, Science Direct,Volume 212, February 2023,DOI:https://doi.org/10.1016/j.eswa.2022.118517.
- Mr.Vasanth Kumar,**"A Logical Investigation of Stock Market Prediction and Analysis using Supervised Machine Learning Algorithm"**,Semantic Scholar,5 April DOI: 2023,10.1109/ICNWC57 852.2023.1012731.

Ms.Keerthana.G

- Ms.Keerthana,**"A Logical Investigation of Stock Market Prediction and Analysis using Supervised Machine Learning Algorithm"**,IJRITCC, Vol. 11 No.10(2023),DOI:https://doi.org/10.17762/ijritcc.v11i10.889.

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Ms.Sangeetha.K

Ms. Sangeetha, **"A broad study of machine learning and deep learning techniques for diabetic retinopathy based on feature extraction, detection and classification"** Elsevier,Volume 30, December2023,DOI:https://doi.org /10.1016/j.measen.2023.100951.

Ms.Saranya.V

Ms. Saranya,**"Plant Disease Prediction UsingEfficientnet"**,IEEE,22 September 2023,DOI:https://ieeexplore.ieee.org /document/10245457.
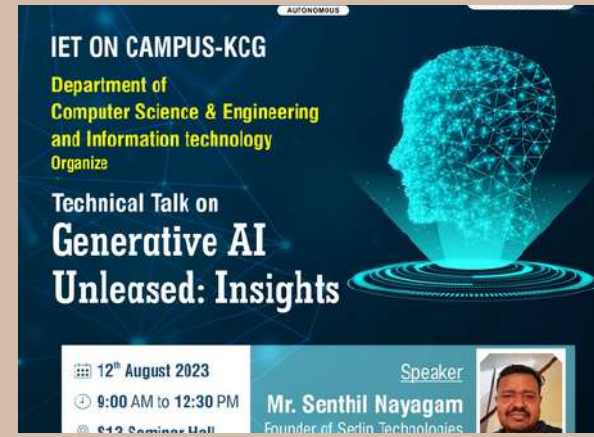
Ms.Suganya.K.S

Ms. Suganya, **"Comparison of Blockchain Ecosystem for Identity Management"**, Springer Link,volume 641,10,July 2023, pp 235–253, DOI https://doi.org/10.1007/978-981-99-0483-9_21.
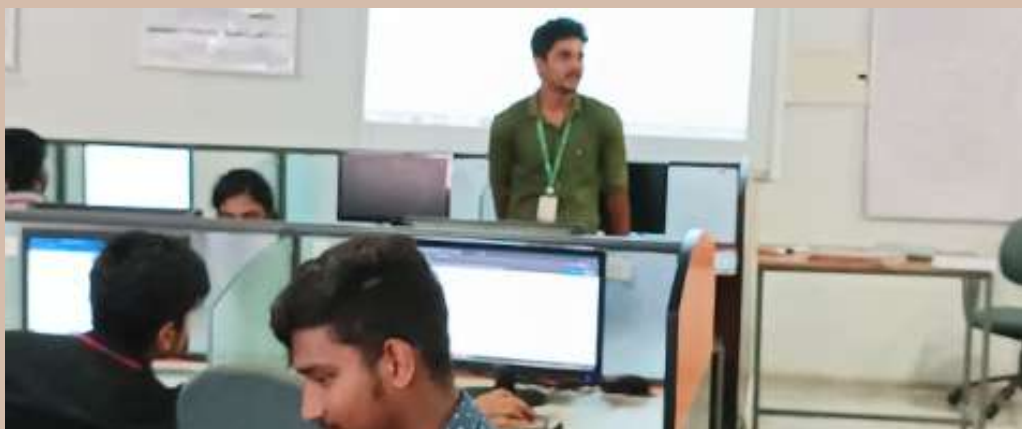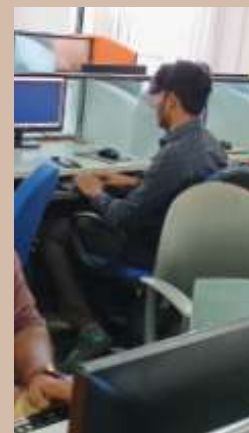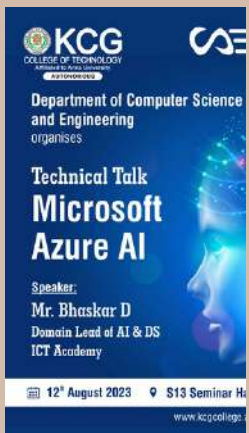
EVENTS

On August 12, 2023, **Mr. Senthil Nayagam, Founder of Sedin Technologies**, delivered a Technical Talk titled **"Generative AI Unleashed: Insights".** The session had provided students with the rich and immersive exploration of the capabilities, applications, and implications of generative AI, empowering them to unlock new creative possibilities and navigate the ethical challenges in this rapidly evolving field.
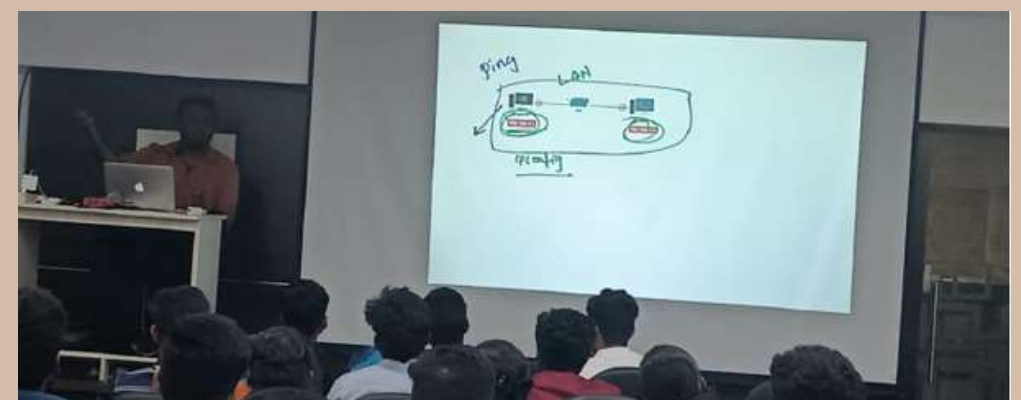

"GENERATIVE AI UNLEASHED INSIGHTS"

"MICROSOFT AZURE AI"

On August 12, 2023, **Mr. Bhaskar D, Domain Lead of AI & DS** at ICT Academy, presented a Technical Talk on **"Microsoft Azure AI"**. The Overall, session had provided students with practical knowledge and skills to harness the power of AI using Microsoft Azure, enabling them to build intelligent applications and drive digital transformation in their respective domains.

On September 11, 2023, an industrial visit was arranged for third-year CSE students to the company **"Network Geeks-Broadcasting Ideas"** located in Vadapalani for a training session on computer networks. The company, founded by **Mr. Pownraj A**, is dedicated to imparting knowledge in the field of networking.

"INDUSTRIAL VISIT"

" INNOTHON'23 "

INNOTHON™23 is a national level Hackfest conducted by INNOCOM of the Department of Computer Science & Engineering of KCG College of Technology. This is a 30 hour hackathon where the students are expected to come up with an innovative solution for the given problem statement. Before the finals, the students are expected to engage in collaborative computer programming after a clear analysis of their chosen problem statement through research and field visits.On September 9, 2023, "Innothon'23", **"Project Mentorship Session"** was conducted with mentors including **Mr.Yatheshwaran,** Senior Fullstack Developer at Vestas; **Ms.Varsha**, Software Engineer at Virtusa (online)**Mr.ShakthiPandi,Mr.Vishal**, Engineer in Technology at Virtusa; Sai Manjunathan, Software Engineer at Cisco Systems; **Ms.Reka,Ms.Chandra Divya**, Consultant at Temenos; and **Mr.Sabesh**, AR Usecase Analyst at Alstom. Thirty Five teams enthusiastically participated, showcasing their skills and innovative ideas. The winners were awarded a cash prize as recognition for their outstanding contributions and problem-solving capabilities.

On September 9, 2023, **Ms.Anatte Freny,** Associate Projects at CTS, conducted a guest lecture focusing on **"Agile Methodology and Risk Management"**.This session likely provided students with a comprehensive understanding of how agile principles can be effectively applied in managing risks within projects and organizations.

"AGILE METHODOLOGY AND RISK MANAGEMENT"

"DATA ANALYTICS IN INDUSTRY"

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On September 9, 2023, **Mr. Logeshwaran, Mr. Srini, and Mr. Karthick,** all Cloud and Data Engineers at Infocepts, delivered a guest lecture providing an overview on **"Data Analytics in Industry"**,A Deep dive into the practical applications of data analytics across various industries is finally delivered to the students at the end of the session.

On September 23rd, 2023,**Ms.Varsha Sundar.M** delivered a Technical Talk on **"Cyber Security"** through this event students had the opportunity to gain valuable insights into various aspects of cyber security.

"TECHNICAL TALK ON CYBER SECURITY"

STUDENTS ACHIEVEMENTS

Ms.SAMIRA.S (THIRD YEAR)

- Ms. Samira.S had Selected for the next phase of the competition prototype level with an Investment Grant of 300 AUD at the Technology Infusion Grand Challenge ASIA Organized by LA TROBE University, Australia.

- Ms. Prithiyanga was runner-up in X-Trac - National Electric tractor design Competition held at Bannari Amman Institute of Technology, Erode.

- Selected for the next phase of the competition prototype level with an Investment Grant of 300 AUD at the Technology Infusion Grand Challenge ASIA Organized by LA TROBE University, Australia.

Ms.PRITHIYANGA (THIRD YEAR)

Mr.MAZIN MOHAMED IQBAL (FINAL YEAR)

- Mr.Mazin Mohamed Iqbal was the winner in "ABHIVYAKTI IIT Madras PARADOX'23" - Curated and organized by the IIT Madras BS Degree Programme students, Paradox'23 was a four-day event held from the 25th of May to the 28th of May 2023.

- Ms.Devadharshini a Published book "Sustain17: A Pledge for change" in amazon Kindle.

Ms.DEVADHARSHINI (THIRD YEAR)

Ms. SOBIYA.R , Ms. SRI VIDHYA.U,
Ms. THANU SRI.R, Ms. NITISRI.T.S
(FINAL YEAR)

- Each received Virtusa women scholarship (Rs.50,000) .

- Ms. Nitisri.T.S and Ms. Shyamily.R won the Third Prize in the "IET CLN Smart City Challenge 23".

Ms.NITISRI.T.S
Ms.SHYAMIL.R
(FINAL YEAR)

Mr. KISHORE KUMAR
(THIRD YEAR)

- Mr. Kishore Kumar had won the First place in "E-TRON"- National Electric tractor Design Competition conducted in BIT ,Erode.

- Mr.Advaith.R and Mr. Sridharan.K won 2nd Prize in Group Singing at G20 Cultural Competition conducted by All India Radio.

Mr. SRIDHARAN.K
Mr. ADVAITH.R
(FINAL YEAR)

STUDENTS ACHIEVEMENTS

Mr.KALYANA SUNDARAM.K
(THIRD YEAR)

STUDENTS ACHIEVEMENTS

- Mr. Kalyana Sundaram K, A Third Year CSE student, shoulders the responsibility of Campus Ambassador for Guvi Campus.
- Selected as CNEP Saarthi(Student Ambassador for National Education Policy) by UGC.
- Published book "Sustain17: A Pledge for change" in amazon Kindle.
- Published Book "Unleashing the power of AI" on AMAZON Kindle.
- Recieved Award of Best Innovator 2023 award from "IET CLN".
- Published a book titled "Devops Dynamics" co-authored by Mr. Abisheek, Radix link, USA, on both amazon kindle and Play Books.

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- Ms. Prithiyanga and Ms.Samira.S won the FirstPrize in the" IET CLN Smart City Challenge 23".

Ms.SAMIRA.S Ms.PRITHIYANGA
(THIRD YEAR)

**Mr. ADVAITH.R
(FINAL YEAR)**

- Mr. Advaith.R had received special Mention Award as Delegate Of USA in SSN MUN.

- Ms.Vakkalagadda Drishti Rao won the Best Camper Female, at Y's men international club district youth camp.
- Won the Overall Best Camper, at Y's men international club regional youth camp.

**Ms.VAKKALAGADDA
DRISHTI RAO
(THIRD YEAR)**

**Ms.SHYAMILY . R
(FINAL YEAR)**

- Ms.Shyamily.R Received Academic Excellence 2023 award from "IET CLN".

- Mr. Lalith Prakash.T, Mr. Sathish Kumar.M, Mr. Karan.K, had won the second prize in "Technical Quiz" at SIMATS Engineering Institution.

**Mr.LALITH PRAKASH. T,
Mr. SATHISH KUMAR.M
Mr. KARAN.K
(SECOND YEAR)**

S T U D E N T S   A C H I E V E M E N T S

- Ms.Sandhiya.K,Ms.Nlithyasree.D, Ms.Vakkalagadda Drishti Rao Winners of the Domain-App Developement in INNOTHON'23.

Ms.SANDHIYA.K ,Ms.NITHYASHREE.D, Ms.VAKKALAGADDA DRISHTI RAO. (THIRD YEAR)

Ms.SHYAMILY . R Ms.NITISRI.T.S (FINAL YEAR)

- Ms. Shyamily R, and Ms. Nitisri.T.S Won FIRST PLACE (Rs.50,000) in the INTELLIGENT INNOVATORS HACKATHON conducted by Sri Eshwar College of Engineering, Coimbatore.

TECHNICAL ARTICLE

Mr.MOHAMED ASHIK.M
(SECOND YEAR)

INTRODUCTION:
The concept of blockchain, introduced in 2008 by Satoshi Nakamoto, revolutionized transactions with Bitcoin's decentralized model. Since then, blockchain has evolved beyond cryptocurrencies, notably with Ethereum's smart contracts in 2015. This article explores its journey, from its origins to its diverse applications and promising future.
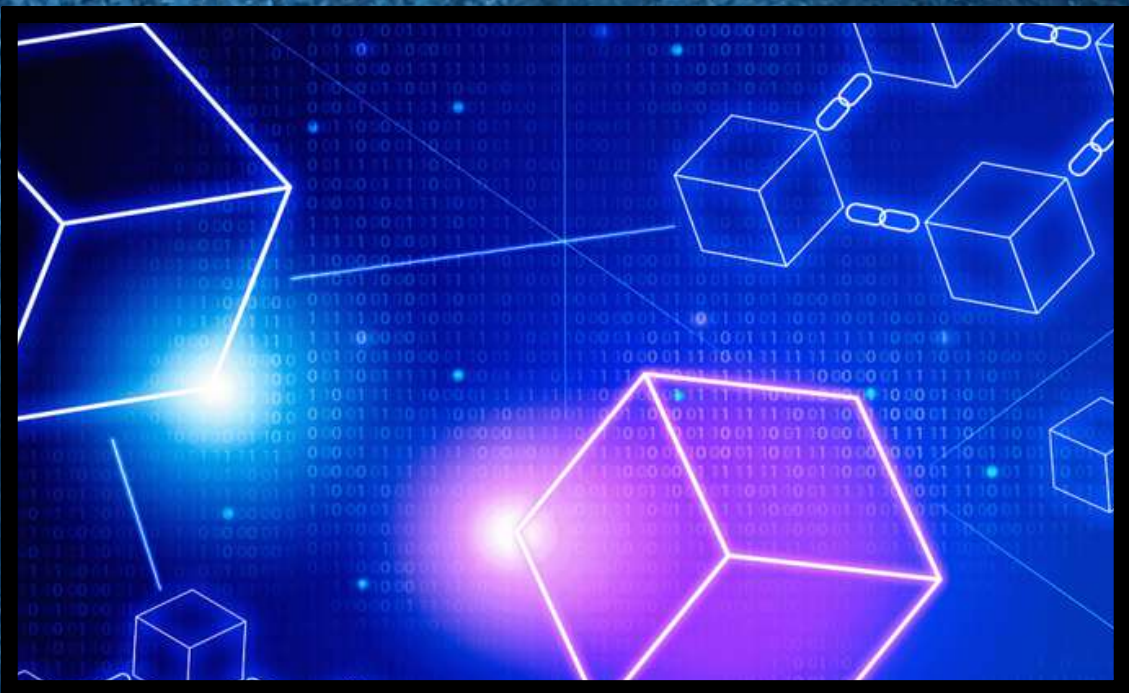
EVOLUTION OF BLOCKCHAIN TECHNOLOGY:

Blockchain, pioneered by Satoshi Nakamoto in 2008 with Bitcoin, revolutionized transactions. Ethereum's 2015 introduction of smart contracts expanded blockchain's applications to decentralized finance (DeFi) and beyond. Projects like Polkadot address scalability, while Zcash prioritizes privacy. These advancements mark blockchain's evolution from cryptocurrency origins to a diverse ecosystem enabling decentralized applications and secure, transparent transactions. The technology continues to evolve, promising further enhancements in scalability, interoperability, and privacy, driving its adoption across industries.

FUTURE OF BLOCKCHAIN TECHNOLOGY:

The future of blockchain technology holds promise across industries. Decentralized finance (DeFi), supply chain management, digital identity, and voting systems stand to benefit. Integration with AI, IoT, and 5G networks will drive innovation, enabling new applications and enhancing efficiency, security, and transparency in various domains.

CONCLUSION:

In conclusion, blockchain's journey from Bitcoin's inception to Ethereum's smart contracts and beyond exemplifies its evolution. With ongoing advancements in scalability, interoperability, and privacy, blockchain technology continues to shape a decentralized future across diverse industries, promising greater efficiency and transparency.