



KCG
COLLEGE OF TECHNOLOGY



CODER'S CONNECT



DEPARTMENT
OF CSE



Volume : 07 Edition : 01 Month & Year: Jan 2022
**TO MAKE EVERY MAN A
AND NO MAN A**



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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.

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



KALYANASUNDARAM K
SECOND YEAR



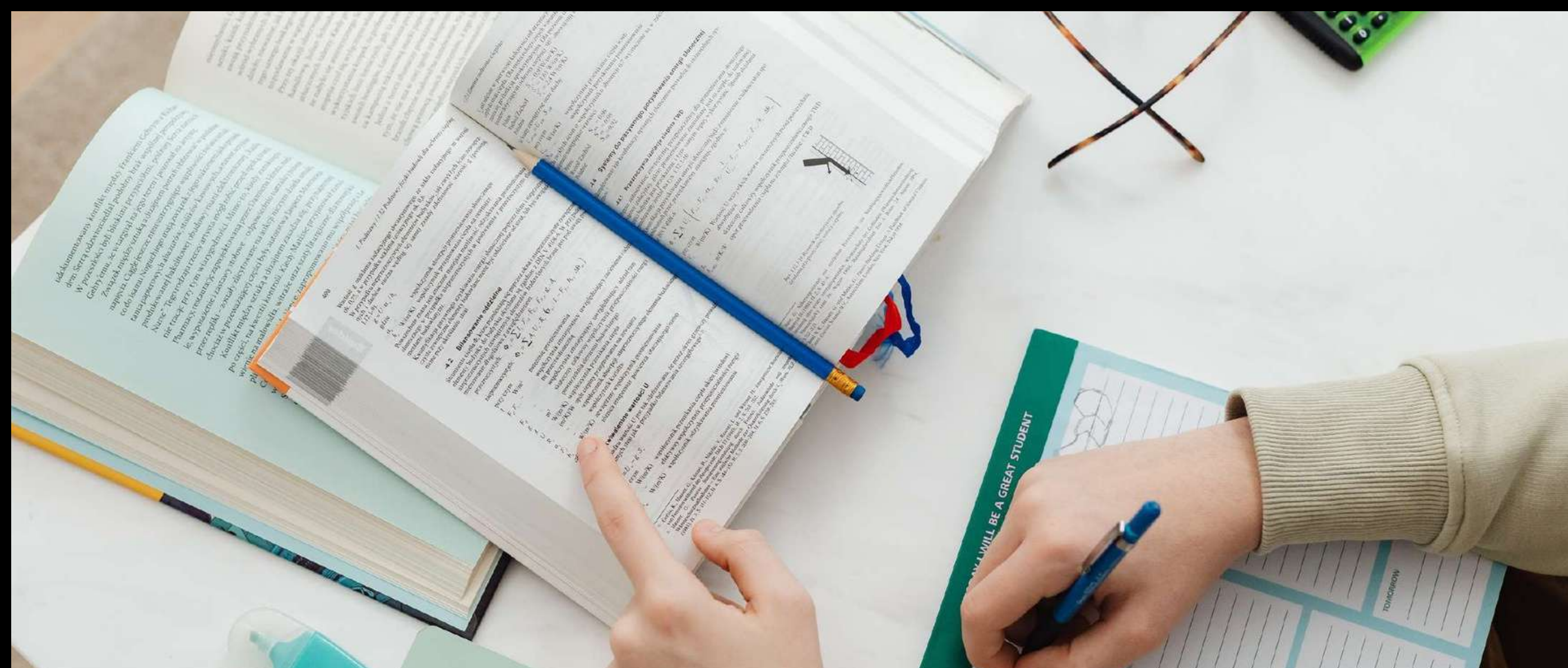
DIVAINA L A
SECOND YEAR



KALPANA DEVI L G
SECOND YEAR



ELSON SAMUEL S
SECOND YEAR



RESEARCH ACTIVITIES

FACULTY RESEARCH PUBLICATIONS :

"No research without action, no action without research". Research is the cornerstone of progress and enlightenment. It's a relentless pursuit that propels humanity forward, uncovering hidden truths and expanding the boundaries of knowledge. Through rigorous investigation and critical analysis, researchers delve into the depths of the unknown, shedding light on mysteries that have long eluded our understanding. With each breakthrough, research serves as a testament to human curiosity and the unyielding desire to unravel the intricacies of the world around us.



DR.CLOUDIN S

"Dr. S.Cloudin, "An Automated System for Arrhythmia Detection using ECG records from MITDB," 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 26-33, doi: 10.1109/ICACRS55517.2022.10029289.



DR.SANKAR S

- Dr.S.Sankar, "Intelligent Door Assist system using Chatbot and Facial Recognition," 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2022, pp. 1-6, doi: 10.1109/ICSES55317.2022.9914298.
- Dr.S.Sankar, "Intelligent Organ Transplantation System Using Rank Search Algorithm to Serve Needy Recipients," 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2022, pp. 1-8, doi: 10.1109/ICSES55317.2022.9914040.
- "Exploration of Performance of Dynamic Branch Predictors used in Mitigating Cost of Branching" - Published in IEEE Xplore, International Scopus Indexed, August 2022.
- Dr.S.Sankar, "AI Enabled Educational Bot to Improve Learning Outcomes using Bag of Words Algorithm," 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT), Kannur, India, 2022, pp. 362-368, doi: 10.1109/ICICICT54557.2022.9917892.
- Dr.S.Sankar, "Understanding Query Intention in Search Queries of Learners in Blended Learning Environments," 2022 IEEE 4th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA), Goa, India, 2022, pp. 308-315, doi: 10.1109/ICCCMLA56841.2022.9989024.



DR.SWATI SAXENA

- S. Saxena, "An Intelligent Automated System for Porter Services in India," 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2022, pp. 1-5, doi: 10.1109/ICSES55317.2022.9914372.
- S. Saxena, "A Vision-based Smart Human Computer Interaction System for Hand-gestures Recognition," 2022 1st International Conference on Computational Science and Technology (ICCST), CHENNAI, India, 2022, pp. 321-324, doi: 10.1109/ICCST55948.2022.10040464.



DR. R. PRASATH

- R. Prasath, "Braille Communication System for Visually Impaired with Haptic Feedback System," 2022 3rd International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2022, pp. 697-702, doi: 10.1109/ICOSEC54921.2022.9952150.
- R. Prasath, "Multi-factor Prediction of Weather Forecasting System," 2022 1st International Conference on Computational Science and Technology (ICCST), CHENNAI, India, 2022, pp. 325-330, doi: 10.1109/ICCST55948.2022.10040344.



MS.W.MERCY

- W. Mercy, "Building a Backend-as-a-Service Platform in Kubernetes," 2022 3rd International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2022, pp. 894-899, doi: 10.1109/ICOSEC54921.2022.9951895.



MR.V.VASANTHA KUMAR

- V.Vasantha Kumar, "Alzheimer Disease Diagnosis Using Convolutional Neural Network," 2022 1st International Conference on Computational Science and Technology (ICCST), CHENNAI, India, 2022, pp. 587-592, doi: 10.1109/ICCST55948.2022.10040358.
- K. V. Vasantha, "Crime Awareness and Registration System Using Chatbot," 2022 International Conference on Computer, Power and Communications (ICCPC), Chennai, India, 2022, pp. 385-388, doi: 10.1109/ICCPC55978.2022.10072070.



MR.K.RAJAGANAPATHY

- "K.Rajaganapathy, "Crime Awareness and Registration System Using Chatbot," 2022 International Conference on Computer, Power and Communications (ICCPC), Chennai, India, 2022, pp. 385-388, doi: 10.1109/ICCPC55978.2022.10072070.



DR.R.ANAND

- R. Anand, "Secured E-Market Auction for Advertisement Slots Using Blockchain," 2022 IEEE International Conference on Blockchain and Distributed Systems Security (ICBDS), Pune, India, 2022, pp.1-5, doi:10.1109/ICBDS53701.2022.9935913.
- R. Anand, "Secured agriculture crop monitoring using Blockchain," 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2022, pp. 1-3, doi: 10.1109/ICPECTS56089.2022.10047749.



DR.PARI R

- R. Pari, "Accurate Prediction of Type 1 and Type 2 Diabetes," 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICT), Kannur, India, 2022, pp. 1117-1121, doi: 10.1109/ICICT54557.2022.9917938.



Dr. R. Prasath has been recognized and honored by Anna University for their exemplary role as a Supervisor in the field of education and research. This acknowledgement signifies their outstanding contributions and commitment to mentoring and guiding students in their academic and research endeavors. He has played a pivotal role in shaping the academic and professional trajectories of numerous students.



Dr. S. Sankar has made valuable contributions to the academic community by serving as a paper reviewer for IGI Global journals. This role underscores Dr. S. Sankar's commitment to promoting high-quality research and scholarship within their field of expertise. As a paper reviewer, Dr. S. Sankar plays a crucial role in the peer-review process of IGI Global journals. Their expertise and knowledge are leveraged to assess the quality, validity, and relevance of research papers submitted for publication. This rigorous evaluation process ensures that only the most impactful and well-researched papers are accepted for publication, maintaining the high standards of academic excellence that IGI Global journals are known for.




Dr. Swati Saxena's active participation in paper reviews for the IEEE International Conference on Networking and Communications 2023 (ICNWC 2023) signifies her prominent role in shaping the academic landscape and advancing the field of networking and communications. As a reviewer for ICNWC 2023, Dr. Swati Saxena has undertaken a significant responsibility within the academic community. Her wealth of knowledge, expertise, and experience in the field of networking and communications equips her to critically evaluate research submissions with precision.




Dr. R. Pari's noteworthy contributions as a reviewer for various IEEE Journals underscore their dedication to advancing the fields of science, technology, and engineering through rigorous academic evaluation and quality assurance. In the capacity of a reviewer for IEEE Journals, Dr. R. Pari plays a pivotal role in the academic peer-review process. Their extensive knowledge and expertise in their respective field(s) equip them to critically assess research manuscripts with precision.



EVENTS



In August 2022, the Department organized a series of seminars aimed at enhancing the knowledge and skills of both faculty and students in various areas. On the 18th of August, several seminars took place:



1. PATENT SEARCH

On 18th of August 2022, a Seminar on Patent Search was organized by the Department to evident all the researches done by the Faculties and Students. The resources were obtained by **Brinda Shakthi, IPR Cell Co-ordinator**

2. ENTREPRENEURSHIP SKILL DEVELOPMENT

On 18th of August 2022, a Seminar on Entrepreneurship Skill Development was organized by the Department for the Students to evolve their ability to become an entrepreneur. The faculty organized the Seminar was **Dr. Mohamed Zakriya, Innovation Ambassador and Start-up Coordinator.**

3. BUSINESS MODEL CANVAS

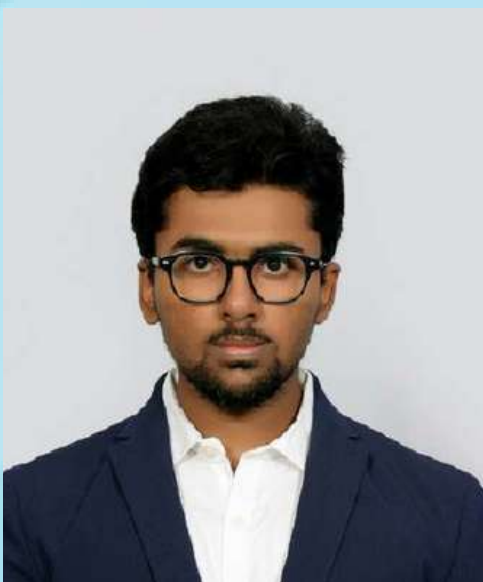
On 18th of August 2022, a Seminar on Business Model Canvas was organized by the department to make the Students aware of the Particulars about Business Model Canvas. The resources was obtained by **Dr. R. Lakshmipathy, IIC Convenor and Innovation Ambassador.**

4. BLOCKCHAIN AWARENESS

On 19th of December 2022, a Seminar was organized by the Department to create awareness to the Students on Blockchain. The seminar was organized by **Mr. Vinay and Ms. Advitha, co-founder Konma**



STUDENT'S ACHIEVEMENTS



Mazin Muhammed Iqbal,(3rd Year) a dedicated and accomplished third-year student, has demonstrated exceptional prowess and versatility in various academic and extracurricular activities. Their remarkable achievements in different competitions and events throughout the year 2022 are a testament to their outstanding abilities and commitment to excellence:

- SRM Kratorq 22 Debate (3rd May 2022) - Second Place: Demonstrating strong communication and argumentative skills, Mazin Muhammed Iqbal earned a well-deserved second place in the SRM Kratorq 22 Debate, showcasing their ability to articulate ideas and engage in intellectual discourse.
 - SRM Kratorq 22 JAM (3rd May 2022) - First Place: Highlighting exceptional spontaneity and oratory skills, Mazin Muhammed Iqbal secured the top position in the SRM Kratorq 22 Just-A-Minute (JAM) competition, showcasing their quick thinking and effective communication.
 - Essay Writing (June 2022) - Second Place: Mazin Muhammed Iqbal's talent for written expression shone through as they clinched the second place in an essay writing competition held in June 2022, demonstrating their ability to convey thoughts and ideas effectively through the written word.
 - IIT Madras Sahityika Debate (September 2022) - First Place: Earning the prestigious first place in the IIT Madras Sahityika Debate, Mazin Muhammed Iqbal showcased their eloquence and persuasive abilities, establishing their prowess in competitive debating.
 - Quiz (14th October 2022) - First Place: Demonstrating strong general knowledge and quick thinking, they propelled themselves to the top position in a challenging quiz competition, showcasing their command over a wide range of subjects.
 - Short Fiction Writing (17th November 2022) - First Place: Mazin Muhammed Iqbal's creative talents came to the fore as they secured the first place in a short fiction writing competition, impressively crafting compelling narratives.
 - Book Smuggling (17th November 2022) - First Place: Their literary prowess and analytical skills were recognized as they clinched the first place in a competition related to books, reflecting their passion for literature and literary pursuits.
 - Stress Interview (17th November 2022) - Second Place: Demonstrating their ability to handle challenging situations with composure, Mazin Muhammed Iqbal earned the second place in a stress interview competition, highlighting their grace under pressure.
- Block and Tackle (17th November 2022) - Third Place: Beyond academics, they exhibited their physical prowess and strategic thinking by securing the third place in a Block and Tackle competition.



Sriram V (2nd Year):

- Thrust Area of Telecommunications at I-DAPT Hub Pitch Challenge (30th April 2022) - Third Place: Sriram V's presentation skills and innovative ideas secured them a commendable third place in the I-DAPT Hub Pitch Challenge, where they showcased their ability to propose and communicate forward-thinking telecommunications solutions.
- Hackathon - Mistralhackfast'22 (May 2022) - Third Place: Their programming and problem-solving skills were put to the test in the Mistralhackfast'22 Hackathon, where they exhibited their ability to work under pressure and innovative thinking, earning them a well-deserved third place.
- Ideathon (14th May 2022) - First Place: Sriram V's creativity and vision were recognized as they clinched the coveted first place in an Ideathon event. This accomplishment underscores their ability to generate innovative and practical ideas that can drive positive change.



Shyamili R,(3rd Year):

Shyamili R, a talented and driven third-year student, achieved an impressive feat by securing the first place in the "#inc Crack the Code" competition held on 29th October 2022. This accomplishment underscores their exceptional problem-solving skills and technical acumen. In the "#inc Crack the Code" competition, Shyamili R demonstrated their prowess in deciphering complex coding challenges and finding innovative solutions. Their ability to think critically, work under pressure, and devise effective coding strategies led them to the coveted first place.

SMART INDIA HACKATHON

TEAM IMMERSIVE TECHIES



The team "East India Company" participated in the Smart India Hackathon with their project titled "Amar Raksha." The event took place at PDEU, Ahmedabad, and the team consisted of three members, all in their 3rd year of studies:

- Swethasree - 3rd Year
- Sneha Raj - 3rd Year
- Priyanka - 3rd Year

TEAM EAST INDIA COMPANY



The team participated in the "Smart India Hackathon" with a project addressing the problem statement of "IoT Enabled Risk Monitoring System in Cold Supply Chain." This event was hosted at Kalasalingam University, Srivilliputhur. The team consisted of five members, with Karan Sanjeev, Adhavan, and Kiridharan from the 3rd year, and Vakkalagadda Drishti Rao and Prithiyanga from the 2nd year.

- Karan Sanjeev - 3rd Year
- Adhavan - 3rd Year
- Kiridharan - 3rd Year
- Vakkalagadda Drishti Rao - 2nd Year
- Prithiyanga - 2nd Year

TEAM SPARKLE FIDDLES



The team participated in the "Smart India Hackathon" with a project titled "Monumental Katha," addressing the project statement of "AR for Monuments." This event was held in Nagpur, Maharashtra. The team comprised three members, all in their 3rd year of studies: Roshini, Jacob Paul, and Nirmal Kumar.

- Roshini - 3rd Year
- Jacob Paul - 3rd Year
- Nirmal Kumar - 3rd Year



MR. GEORGE BRITT, A TALENTED THIRD-YEAR COMPUTER SCIENCE ENGINEERING (CSE) STUDENT, FOR EARNING THE PRESTIGIOUS TITLE OF "MR. BLACKSHEEP 2022." THIS ACHIEVEMENT HIGHLIGHTS HIS REMARKABLE QUALITIES AND CONTRIBUTIONS THAT SET HIM APART FROM HIS PEERS.

The "Mr. Blacksheep" title likely signifies that George Britt is recognized for his uniqueness, individuality, or distinctive accomplishments within his academic or social community. Such awards often celebrate individuals who have made a notable impact, displayed exceptional talents, or stood out in a positive way.

MR. MAZIN MOHANED IQBAL,

a third-year student pursuing a Bachelor of Science (B.S.) Degree in Data Science and Programming at the prestigious Indian Institute of Technology (IIT) in Madras, has recently achieved the Foundational Level certification in Programming and Data Science. This accomplishment demonstrates his commitment to acquiring fundamental knowledge and skills in the field of programming and data science as he progresses through his academic journey.



MR. SAI ARVIND,

Mr. Sai Arvind, currently in his third year of Computer Science and Engineering (CSE), has achieved a remarkable feat by creating an entry in the prestigious India Book of Records. His outstanding achievement involves playing the first movement of Symphony No. 25 on the keyboard. This accomplishment highlights his exceptional talent, dedication, and musical process.



LEADERSHIP SKILLS

Mr. Kalyana Sundaram K, Second Year CSE shoulders the responsibility of Campus Ambassador for Geek for Geeks, Campus Ambassador for Skillenza, student partner in Internshala, campus business manager in Prebytes.

GeeksforGeeks

A computer science portal for geeks

JULY 2022

Pb PrepBytes
AUG 2022

TECHGIG
DEC 2022



LEADING CAMPUS TO
TECH STACK

skillenza
JUN 2022

INTERNSHALA
NOV 2022

**“A LEADER IS ONE WHO SEES MORE THAN
OTHERS SEE, WHO SEES FARTHER THAN OTHERS
SEE AND WHO SEES BEFORE OTHERS SEE.”**