

**DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING**

2023-2024-ODD SEMESTER

ISSUE 1

The Computer Science and Engineering Department of Sir Isaac Newton College of Engineering and Technology celebrated *Engineering Day 2023* with immense zeal and enthusiasm in the college seminar hall. The event served as a tribute to the invaluable contributions of engineers in shaping society and aimed to ignite a passion for innovation and excellence among students. The day featured a range of activities, including inspiring speeches by faculty members and student representatives, interactive sessions, technical quizzes, and project demonstrations, all of which highlighted the critical role of engineering in driving progress. Students actively participated, showcasing their talent and creativity, which added vibrancy and energy to the event. This celebration not only emphasized the importance of engineering as a profession but also created a platform for learning, collaboration, and inspiration. It was a day that reflected the department's unwavering commitment to fostering technical expertise and professional growth, leaving a lasting impact on all who attended.



Sir Issac Newton College of Engineering and Technology conducted skill development training for Second-year ECE & CSE students from 04.12.2023 to 07.12.2023. The Skill-Development-Training-Programm was held in three sections, namely *Robotics-Programming Assembly and Dismantling*, and *2D-CAD-Modelling*. In an assembly-and-disassembly lab, the primary objective would be to optimise the manufacturing- and maintenance-processes of home appliances. This involves developing efficient assembly methods for manufacturing, ensuring ease of disassembly for repair and recycling, and potentially exploring ways to extend the lifespan of appliances. Similarly, in the robotics programming lab, students are designing and programming robots, exploring new algorithms for robot control, or developing robotic systems for specific applications such as automation and manufacturing. Learn basic engineering design and implement it by creating creative 2D-Design with great involvement. We are informed that 120 students participated in this skill-development-training.

SEMINAR



The Department of Computer Science and Engineering organized an astute academy on 04.11.2023 for II, III, and IV-year CSE students. The academy began with a balmy acceptable abode by S. Mahalakshmi (III-year CSE), followed by an countdown accent from the HOD, Mr. G. Vijayasekaran, Suvalakshmi K. (IV-year CSE) alien the arch guest, Mr. P. Thiyagarajan, Dean (Research) and Associate Professor, Department of CSE (Cybersecurity) at RGNIYD. He was felicitated by Mr. P. Malaiselvaraja (HOD/Mechanical) and Mr. N. Raguvaran (HOD/EEE). Mr. Thiyagarajan aggregate insights on arising trends and conducted an agreeable affair on “*The Root of Blockchain Technology: Consensus Algorithm*” answer the accent of accord mechanisms in defended and decentralized systems. The academy assured with a vote of acknowledgment by M.J. Mohamed Jefri (II-year CSE), cogent acknowledgment to the arch guest, faculty, and participants. This academy broadened students' compassionate of blockchain and aggressive them to analyze cutting-edge technologies with concern and enthusiasm.



Our third-year acceptance alternate in a three-day branch blue-blooded "*Science and Technology Capacity Building for Industrial Needs*," captivated in Thirukkuvalai from 11th to 13th September 2023. This accelerated branch offered hands-on acquirements adventures focused on adjustment accurate and abstruse abilities with automated requirements. The participants are Saranya V, Rani M, Pooja R, Krishna P, Dinesh M, Hariharasudhan B, Arun B, and Prakash R approved abundant activity in acceptable their applied knowledge, showcasing their charge to architecture abilities accordant to their approaching careers. We acclaim our acceptance for their alive accord and adherence to learning.

Symposiums & Conferences

Our college proudly celebrates the exceptional success of our second-year students, Arun K. and Mohamed Jefri M., who won first place at the *International Conference on Engineering and Technology* held on 27th October 2023 at Sembodai Rukmani Varatharajan Engineering College. Their outstanding presentation showcased their skill and dedication, setting a benchmark for their peers. In addition, our third-year students Krishna Priya S., Kalaimathi S., Mahalakshmi S., and Petchishri S. presented a groundbreaking paper titled "*Neuro-Fuzzy and Network-Based Records Motivated Model for Multi-Charging Status of Plug-In Electric Vehicles*," focusing on innovative strategies to optimize electric vehicle charging.



This research reflects the technical expertise and academic excellence nurtured at Sir Issac Newton College of Engineering and Technology. Their peers, second-year students Shalini, Vaishnavi, Kavi Bala, Prabhavathi, and Akshaya, also actively participated in the conference, gaining exposure to the latest developments and engaging with industry experts. This collective

success highlights our institution's commitment to fostering academic growth and innovation, preparing students to creatively address real-world engineering

National Level Technical Symposium: Student participation

- Our third-year students showcased their technical expertise by participating in the *National Level Technical Symposium* held at KGiSL Institute of Technology, Coimbatore, on 26th September 2023. This prestigious event gathered students from across the nation, offering them a platform to exchange knowledge, present innovative ideas, and engage in technical competitions. The participants are Mathivathani.T, Akshaya.R, Kanika.B, Mahalakshmi.S, Petchishri.S, Devatharshini.S, K. Swetha, R. Akshaya, and R. Abinaya enthusiastically represented Sir Issac Newton College, demonstrating their skills and commitment to academic excellence. We are proud of their active participation and congratulate them on their dedication to advancing their technical knowledge.
- We are thrilled to announce that our third-year CSE students, Bullish Furveen, Sowmiya, Mohamed Jefri, Arun K., Dravit, and Jerusha Persis, brought pride to Sir Isaac Newton College of Engineering and Technology by winning First Prize at the Paper Presentation event held at Christ the King Engineering College, Coimbatore, on October 6, 2023. Their outstanding presentation, backed by thorough research and innovative ideas, stood out among the many participants, showcasing their academic excellence and deep understanding of the subject. This achievement highlights the talent and determination of our students to excel not only in academics but also in research and presentation skills. Congratulations to the team for their remarkable success and for bringing honor to our department and college!





From 13th to 15th December 2023, the *Employability Skills Training Program* was conducted by Nandi Foundation, Chennai, for the final-year students of Sir Isaac Newton College of Engineering and Technology. Among the standout performers was P. Abhishek from the CSE department, who was recognized for his excellent performance and awarded a memento by Nandi Foundation. The college Principal, Dr. A. Kumaravadivel, congratulated him on this achievement and extended his best wishes for future success. The Head of the CSE Department was also present during the felicitation, adding to the celebratory moment. This recognition highlights the dedication and skills of our CSE students, reflecting the department's commitment to excellence.

We are proud to announce the successful completion of the *Employability Skills Development Training Programme* by the final-year CSE students of Sir Isaac Newton College of Engineering and Technology. This program, conducted in collaboration with TITAN LEAP and the Naandi Foundation, spanned from 2023 to 2024, aiming to equip our students with essential professional skills to excel in their careers.

Through this initiative, students gained valuable insights into communication, teamwork, problem-solving, and leadership key competencies for thriving in the modern workplace. The program reflects our department's commitment to preparing students for a competitive professional landscape while fostering confidence and readiness for their future endeavors. Congratulations to our final-year students on this remarkable achievement!





Our college is proud to announce that S. Devadarshini, a third-year Computer Science and Engineering student, won first prize in the Drawing Competition on the theme of Voter's Awareness. Organized by the Electoral Literacy Club under the Election Commission of India, this event took place on November 7, 2023, at Sir Isaac Newton College of Engineering and Technology. Devadarshini's artwork creatively highlighted the importance of voting, capturing the spirit of civic responsibility. Dr. A. Kumaravadivel, our Principal, extended heartfelt congratulations to her, encouraging continued success in future endeavors. This achievement not only underscores Devadarshini's artistic talent but also reflects her commitment to raising awareness on essential social topics.

We are thrilled to announce that A. Diwakaran, a third-year student from Sir Isaac Newton College of Engineering and Technology, won the second prize in the Drawing Competition organized by the Department of Visual Communication at Edayathangudi G.S. Pillay Arts & Science College (Autonomous), affiliated with Bharathidasan University, Trichy. Held on August 23, 2023, this event showcased the creative talents of students from various institutions. Diwakaran's achievement reflects his artistic skill and dedication, bringing pride to our college and inspiring his peers. Congratulations to A. Diwakaran on this impressive accomplishment

