

ANNUAL REPORT (Academic Year 2022-2023)

We are delighted to share the Annual Report for the Academic Year 2022-2023, which highlights the academic achievements, various activities, major initiatives, and note worthy events of our esteemed institution. This year has been particularly remarkable, characterized by numerous significant events and inspiring success stories. These accomplishments are a direct result of the unwavering dedication and collaborative effort demonstrated by our management, staff, and students.

We are glad to inform you that the Dept. of Computer Science and Engineering got accredited for three years until 2025, and all other departments got extensions of accreditation for three more years until 2025. We take this opportunity to thank the wholehearted support rendered by the Chairman of the Governing Body, NSS Management, staff members, parents, and students.

As before, our institution has been keeping its heights in maintaining high academic values and standards. The college has bagged the 10th position among 131 engineering colleges under APJA KTU in the 2019–2023 B.Tech. results.

The Training and Placement Cell stands as a central pillar within an engineering college, supplementing the dedicated efforts of our faculty members by orchestrating value-added programmes and facilitating valuable placement prospects for our students. This cell maintains continuous and active engagement with various industries and organizations to secure placement opportunities for our students. It acts as an intermediary between the academic institution and the corporate sector, fostering a robust industry-academic partnership. The cell regularly solicits feedback from these organizations and shares it with the relevant departments, enabling tailored training for our students and enhancing their prospects in the job market.

We are pleased to report that our Placement and Training Cell has achieved an impressive 90% placement rate for eligible students through PTIB (Placement Training and information Bureau)). The placement cell was successful in achieving 550 (head count of 383) placement offers with the highest package of 12 LPA. Furthermore, a significant number of our students have gained admission to prestigious institutions for MBA and M.Tech programs, reflecting the high regard in which our graduates are held.

NSS College of Engineering IEDC hosted Kerala's largest women-only hackathon, 'Tink-Her-Hack' on December 17 and 18, 2022. The students from NSSCE received special appreciation from the collector for their impactful contributions during the department workshop hosted at the Palakkad Jilla Panchayath

Hall on February 16th and 17th, 2023. The startup concept 'Corr Robotics' proposed by Arun K., Anandu Dipukumar, Riyan J., Roshan Siraj, and Vyshakh G. Nair secured an idea grant of Rs.3 lakhs, and they have been selected and offered incubation support at the Shiv Nadar AIC Research Foundation. In the present time frame, two newly established startups, 'Corr Robotics' and 'Dream Bee 39', are officially registered and actively operating this year. Roicy S. Moni, Rajalakshmi A. R., Sruthi P. P., and Sneha A. belonging to the 2019–2023 batch emerged as winners for their idea 'SGD clean water and sanitation' in the district-level ideathon focused on YIP.4 and secured a cash prize of Rs. 25,000. Anjana J., Abhinav Gopinath, Vinil Nair, and Sreejesh S. Varier from Mechanical Engineering have secured third prize for their idea named 'Fire Fighting Drone' in Freedom Fest 2023 district level.

Our large number of students also participated in various sports events at the university level. NSSCE is the overall champions of the Technological University Athletic Meet for a second consecutive time. In games, NSSCE bagged eleven university titles in the academic year 2022–23.

To inculcate social values in our students, the NSS Unit conducted many activities like tree plantations, Swachh Bharat Abhiyaan, blood donation camps, and much more. The NSS Unit 128 of NSSCE won APJAKTU awards for Best NSS Unit of 2022 and NSS State Award. Abhijith S from NSS Unit 198 of NSSCE won the award for Best NSS Volunteer at the APJAKTU NSS Awards 2022, and Dr. Sajeesh P won the award for Best Programme Officer at APJAKTU NSS Awards 2022 and NSS State Awards.

NSS College of Engineering won APJAKTU NSS Blood Cell Rudhirasena award for organising the most blood donation camps during the academic year 2022-2023. Ms. Anuvindha M. R. received the award for coordinating the NSS Rudhirasena TSR-PKD Region for the period of 2022–2023. For the year 2023-2024, the following volunteers from NSS Unit 128 and 198 of NSSCE were selected for the upcoming academic year 2023-2024 in key roles for the Thrissur-Palakkad Region: S. Sidharth as the Regional Rudhirasena Coordinator, Kalyani P. Madhavan as the Regional Energy Cell Coordinator, and Alfiya K as the Student Regional Coordinator for NRPF. Hari Sankar attended the National Integration Camp (NIC) 2023, which was held at Sahyadri Commerce and Management College in Shivamogga, Karnataka, and Aswani Murukesan was selected to attend the National Integration Camp 23. NSS College of Engineering secured the third position in the Mega Tree Plantation Drive organized by the National Resource Protection Force. The Tree Plantation Drive was organised as a part of World Environmental Day celebrations in 2023.

The institution is maintaining good interaction with nearby industries.

Students have been sent for training and project work to reduce the gap between theory and practice. The Entrepreneurship Development Cell and Industry Institute Interaction Cell of the Institute are very active on campus. Several professional bodies like IEEE, IE (I), ISTE, CSI, etc. are also functioning in the college to keep the students updated about technological advances and to improve their skills.

The faculty members are playing their key roles successfully as teachers and acting as the real lighthouses for the student community. They have organised seminars and workshops on various subjects on campus, and many of them have participated in such programmes at other institutions well. Many staff members are expert members of the academic bodies and boards of APJAKTU, the University of Calicut, and other institutions. Research is an inseparable part of higher education. The institute is also honored to receive the following patents: A patent was granted for the innovation. "An electronic smart cooking gas stove" by patentee Dr. Vinod V. Dr. Vinod V also received Patent G for the innovation "LPG Cylinder Carrier and Stair Climber". A design patent was granted to Dr. Sujith S for "Mall Customers Expression Monitoring Smart Device."

The research writings of the faculty are disseminated through conferences, referred journals, and periodicals by reputed publishers. The college always encourages staff members to promote their research in different fields. Many faculty members are guiding scholars for Ph.D. at various universities. Our faculty member, Mr. Syam Sankar (CSE), had been selected for the prestigious Prime Ministers Research Fellowship (PMRF) at IIT Guwahati. He is currently pursuing a PhD (under QIP) in the Department of Computer Science and Engineering at IIT Guwahati, working with Dr. John Jose. He is the first scholar to receive PMRF in the CSE Department.

The Internal Quality Assurance Cell (IQAC) at our college plays a crucial role in establishing and implementing quality standards and criteria for both academic and administrative activities. This year, we conducted two internal and external audits and took corrective actions to address identified gaps. It's important to highlight the significant role of our alumni in our institution, as they are an integral part of our community. Alumni chapters worldwide maintain close ties with our institution, providing scholarships and endowments for students in need. This year alone, we distributed scholarships totaling more than Rs. 3 lakhs.

Our Parent-Teacher Association remains highly active, ensuring the active participation of parents and teachers in all matters concerning the college. They contribute to maintaining a conducive academic environment on campus. we have enclosed detailed reports on the performance of various departments, statutory bodies, and institutional committees for your thorough review. Beyond

the regular expenses incurred, PTA has contributed above sixteen lakhs towards setting up a laboratory for computer science and engineering department around nine lakhs were spent on the purchase of furniture for the newly constructed first floor of the new block about One lakh was spend for the purchase of furniture in college canteen to increase the seating and about three lakhs were spent on the rewiring works in the College Ladies Hostel.

PTA provided ten water filters at various locations on campus. We are delighted to share that the NSS Management has sanctioned an additional Rs. 24,12,312/- (Rupees Twenty Four Lakh Twelve Thousand Three Hundred and Twelve Only) for the repair, renovation, and maintenance of college buildings. Three lakh rupees were sanctioned by NSS Management for the rewiring work at the College Ladies Hostel.

We maintain a strict and disciplined atmosphere on our campus and in our hostels. The campus remains peaceful and free from strikes. In an effort to instill patriotism, the National Song and National Anthem are played every morning and evening. We enforce identity cards and uniforms strictly and prohibit student vehicles from entering the campus. Our students are known for their discipline and cooperation. Hostel admissions are solely based on merit, and we have a dedicated anti-ragging squad and anti-ragging committee that maintains a vigilant presence on campus.

We want to express our gratitude to the Almighty for blessing our institution and extend our heartfelt thanks to the Chairman GB, other GB members, and the NSS Management for their unwavering support in all our initiatives and achievements. Lastly, we would like to acknowledge the dedication and efforts of our teaching and administrative staff members, as well as APJAKTU and DTE, for their contributions to our shared goals.

PRINCIPAL

PARENT TEACHERS ASSOCIATION

EXECUTIVE COMMITTEE 2023-24

President : Dr. P R Suresh

Vice-President : Sri. K.Prasad

Secretary : Dr. Saju N

Joint-Secretary : Sri. Sulaiman S

Treasurer : Dr. Aneesh Kumar

**Parent Members : Smt. Geeta Jayakumar
Sri. Baburaj P
Sri. K C Vijayakumaran
Adv. Sivakumar
Sri. K.K.R.Menon
Sri. Himagiri P**

**Teacher Members : Dr. Venugopal G
Prof. Sajith V.S
Prof. Anoop S Pillai
Prof. Madhu Mohan
Dr. Ajay Babu
Dr. Surya SS**