

NCERC(Autonomous)
Graduation Day (2023batch) Academic Report

It's indeed a great honor to present the annual report of our college for the academic year. Let me be grateful to God Almighty for all blessings showered upon us. Nehru College of Engineering & Research Centre was established in the year 2002 by our founder chairman late Shri. P.K Das with an objective to inculcate the ageless message of faith, self-discipline and dedication. Our college believes and respects all cultures of all religions and communities and promote understanding and appreciation of their valuable heritage, culture and values.

NCERC is well known for its dedicated and committed service to the domains of technical education in Kerala. We are now an Autonomous institute with ISO 9001:2015 certification, approved by All India Council for Technical Education (AICTE) and affiliated to APJ Abdul kalam Technological University. It has been reaccredited with 'A' Grade, the first engineering college in Kerala to be awarded 'A' with 3.18 grade point average out of 4 by National Assessment and Accreditation Council (NAAC). Two B.Tech programs, Computer Science & Engineering and Mechatronics engineering got accredited by National Board of Accreditation (NBA)

The college is proud of its serene location and excellent infrastructure with modernized labs, workshops and Free internet connectivity for stakeholders. We have Smart classrooms furnished with interactive boards and LCD projectors, Yoga training center, Modern gymnasium and full time counselor for personal counseling and training. Our efficient transportation system is well connected to rural and urban routes connecting nearby districts.

The institution offers 5 UG programs in Mechanical Engineering, Mechatronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Computer Science and Engineering (Artificial Intelligence & Machine Learning), Electrical and Electronics Engineering, and 5 PG programs in VLSI, Energy Systems, Computer Science and Engineering, Cyber Security, MBA and MCA. We have a dedicated team of staff members with doctorate and post-graduation in various branches of engineering and Management. The departments are headed by highly qualified and experienced faculty. Well trained faculty members guide the students and help them to develop innovative projects. Many of our students were selected in New-Gen IEDC under MSME. **Seven** student groups completed their prototype and matured for establishing start-ups. **14** staff members from various departments are pursuing Ph.D.7 Faculty members completed Ph.D in the 2021-22.

Dr. Sobha Manakkal, Professor & HOD, EEE received with IEEE Outstanding Chapter Award , as Vice Chair of IEEE PES Kerala Chapter.

Dr. Krishnakumar T P, Professor & HOD, MBA won Champion of Business Excellence Award from Business Insight Magazine

Dr Sudheer S Marar, Professor & HOD, MCA won Best HOD of the Year Award from IIR Kerala Chapter and Best Paper Award at RASTEMS International Conference Chennai

120 papers were published by our staff members in different national and international journals. It is remarkable that more than 25 seminars and webinars were organized by various departments. 7 FDPs sponsored by AICTE, ISTE, KTU and NAAC were organized to enable the teachers to guide, motivate and counsel the students. **10** MOUs were signed with well-known companies and organizations, include **Siemens** and the action plan of those MOUs is being executed successfully.

17 patents are generated by the college. NCERC has an active Innovation and Entrepreneurship Development Cell (IEDC), which embarked funded projects worth 30 lakhs. AICTE MODROB of Rs.13 lakhs in the department of Mechanical Engineering, is made functional this year. Many of our students became entrepreneurs through Kerala start up mission. The college also has a lively Institute Innovation Cell (IIC) under Ministry of Education, which instills Innovative and Current happenings in National level like Viksit Bharath project into the campus.

The college continues its saga of academic success with more than 90 university ranks till date. In the UG Programmes of B.Tech, our college secured an average pass percentage of 75%. Pass percentage of MBA was 97% and of MCA was 92%. Result of M.Tech. in all branches was 100%.

International conferences, National Conferences, Workshops, Symposiums, and the Brand events like NSITE tech-expo and BLOOM cultural fest were conducted, this year also which made the campus vibes to outstretch all horizons. Our Students participated and presented papers in several technical seminars, conferences and symposiums organized by various colleges, in national and international levels.

The college library is fully automated and has 51893 volumes, 22609 titles, 305 national international and technical journals. Our Digital library includes e-journals like J-gate K-hub National digital library, Knimbus and Institutional memberships in e-Shodh Sindhu and e-Shodh Ganga.

The NSS and NCC units undertook a number of social activities in order to inculcate the spirit of service and social awareness. NSS unit 209 is rated among the best in the state, which conducted several community programmes like clean village project, green village project, and community development projects like "Oru neram" food for needy people. College NCC unit under 23 Kerala Betalion NCC hosted the Combined Annual Training Camp, 583 cadets from different institutes participated. The NCC cadets secured 100% result in B and C Certificate Examination and pass percentage 100%. Kerala Excise department appreciated the NSS and NCC Unit for the contribution to Vimukthi Awareness Mission by conducting various activities and helping the Excise Department. Thiruvilwamala Grama Panchayath appreciated our volunteers for successfully aiding projects like Waste Management Survey, Skill registry app registration, Digital Literacy Training etc.

Our college has done remarkably well in campus placements as over 272 students got placed in various well-known companies like Infosys, TCS, WIPRO, ROBERT BOSH, IBS, ACCENTURE, RAMCO SYSTEMS etc.. The placement cell NCPIR initiate regular aptitude training and soft skill training to the students.

We are delighted to present this report as NCERC has done exceptionally well in all areas of academics, curricular and extra-curricular activities. I believe, NCERC is still marching ahead fearlessly, tirelessly and enthusiastically to impart high quality technical education in the field of professional and higher education.

Thank you.....