

GOVERNMENT COLLEGE OF ENGINEERING

ANNUAL REPORT

2020-2021

INTERNAL QUALITY ASSURANCE CELL

Government College of Engineering, Salem-11
(An Autonomous Institution Affiliated to Anna University, Chennai)
Internal Quality Assurance Cell
(NAAC Accredited)
Annual Report AY - 2020-2021

Government College of Engineering, Salem-11, was founded in 1966 as a part of 3rd Five year plan by the Government of Tamilnadu. The Institute, a temple of excellence in Technical Education, was the third Government Engineering College to be started. It is located on a 162 hectares site surrounded by greenish natural environment. The first batches of students were admitted for the academic year 1966-1967. Since then, the institution has been consistently upgrading itself for the growing needs of the technical education. The institution currently offers 6 Under Graduate and 6 Post Graduate programmes. All the Departments have been granted recognition for guiding research work, leading to Ph.D. under the Anna University, Chennai. Our Institution is the QIP centre, recognized by AICTE for doing research leading to Ph.D. in Mechanical, Civil, Electrical and Electronics Engineering branches.

The institution has a vision to mould the students not only as an excellent Engineers in the field of Science and Technology, but also as a good citizen of our country. The commitment of the institution is to produce comprehensive knowledge seekers and humane individuals, capable of building a strong and developed nation. The institution also has its mission to impart updated technical education and knowledge to the budding engineers.

Government College of Engineering, Salem, is an Autonomous institution, approved by AICTE and UGC. It is also affiliated to Anna University, Chennai. The institution has a well-defined organization structure and a board of governors for its effective functioning. The Board of Governors functions with the support of the Chairman of Board of Governors as well as its members. The members of the governing body are from the institution, various industries and the university. The senior Professors of the institution would represent the college in the governing body. It also includes the State Government Nominees with the Principal as the member secretary.

The institution is a recognized center for research under Anna University for Ph.D., and M.S., programs. All the departments have well qualified faculty members and excellent infrastructure facilities. In addition to that, the department of GCE Salem is equipped with excellent computer facilities and Internet Connectivity. The college hostel has separate blocks for the First, Second, Third and Final year B.E students and individual block for the M.E students. The blocks are also provided with the Wi-Fi access. GCE, Salem has strong tie-ups with R&D labs & Industries. The institution also has a state of the art digital library to provide technical knowledge for the students. The infrastructure of the institution also includes a magnificent auditorium, a dispensary, spacious canteen block and a sports center. A proposal for the construction of an indoor stadium is under process.

The college, being an Autonomous institution, raises constantly itself to global standards. Apart from the 6 Under Graduate, 6 Post Graduate Programmes, and 4 Part Time Under Graduate programmes, Doctorate in Philosophy Programmes in Full Time and Part Time are also supported by the institution. In this academic year totally one thousand nine hundred and thirty four students pursuing their Under Graduate and Post Graduate degree programs in the college. In the research stream the institution comprises a total of 11 students doing research in the Institution. One Research scholar in the department of Civil Engineering, Department of Electrical and Electronics Engineering has 5 Research scholars, Mechanical Engineering Department has 4 Research scholars, Department of Electronics and Communication Engineering has 1 Research scholar.

Our Institute serves as mentor institute for Government Engineering College Raipur under TEQIP III. Various collaborative activities for faculties and students development programme in various domain were carried out. Few of the activities in core domain for the development of durability measuring apparatus Instrument as per procedures of IS code and Design and development of solar, wind biogas and energy storage based hybrid energy generation system with proper control and energy management.

The industrial experts frequently interact with the institution for making the students industry-ready, GCE, Salem is thus growing from strength to strength and earning recognition for its contribution to the cause of Engineering Education. GCE, Salem is also one of the participating institutions in Quality Enhancement in Engineering, Education (QEEE) programme offered by Department of Higher Education, MHRD, and Government of India. In U.G., NBA accreditation has been obtained for the Electrical and Electronics Engineering Programme up to 2022. Our college has been accredited by National Assessment and Accreditation Council (NAAC) in the academic year 2018 — 19 with a B+ grade and is valid up to November 2023. Based on the NAAC outcome, the Autonomy status granted to the Institution has been extended for 6 more years by the UGC. Our Institution is a recognized QIP centre for research in Civil, Mechanical and EEE departments and also continuing as Research Centre for Anna University, Chennai. The Institution is also vested with the additional responsibility of acting as Zonal Office VIII for Anna University, Chennai.

The six departments of the institution are recognized for their commitment and are appreciated for their achievement during the celebration of Republic day every year. The department of Civil Engineering has record breaking revenue generation through Testing and Consultancy services. The department of Mechanical Engineering on the other hand, has signed many MoUs to facilitate better Institute-Industry-Interaction. The department of Electrical and Electronics Engineering has contributed towards conservation of electrical energy and energy auditing. The department of Metallurgical Engineering has an industrial linkage with JSW that proves pivotal for the placement and the department of Electronics and Communication Engineering is providing uninterrupted internet service across the Institute. The youngest department — the Computer Science and Engineering maintains up-to-date Institute website and produces 100% student placement every year.

The institution has an intellectually strong team of faculty members supporting the growth of our college and students, their steadfast effort in coping up the dynamic markets has resulted in 46 Faculty members achieving Ph.D, degree, and 30% of faculty members are pursuing their Ph.D research programme. In the academic year 2020-2021 a total of 119 papers are published in national and international journals.

To encourage the faculty members in research and development and to appreciate their innovations and findings, under TEQIP - R & D head, an incentive of Rs. 3000/- is given for every paper published by a faculty in peer reviewed journals. Our Faculty members are endowed in various training and workshop courses to update their subject knowledge, pedagogical and management capacity building skills. Faculty members from various departments have published patents and they obtained the funded projects and research awards from National and International Research bodies. The institution, under TEQIP Phase III, is funded Rs, 7 Crores to further improve its own infrastructure and teaching-learning activities. Major equipment were procured for around Rs. 6,26,88,142 by Mechanical, Electronics and Communication Engineering, and Metallurgy department under TEQIP. In year 2020-21, a total of 167 students underwent internships at various reputed firms and 21 students done their final year projects in industries.

In the academic year 2020-2021 a total of 7 programmes and workshops were organized by the institution for student development on multiple job opportunities. Similarly 3 programmes were conducted for the development of the faculty members. Faculty development programs on “Contemporary applications of machine learning/artificial intelligence for computer vision”, “Finite element Application of Analysis and Design of bridges” and "Advanced Electrical drives" was conducted. The ICC activities of the college include participation of 100 students in ‘Entrepreneurship & Innovation as career opportunity’ and a total of 100 members in ‘My Story – Motivational Session by Successful Innovator / Startup Founder’. The ICC activities also include participation of 71 students in “Design Thinking Workshop” and participation of 70 students in “Intellectual Property Rights and IP management for Startups” webinar. Regular online academic courses are conducted for the students of all branches through NPTEL, Students have been benefited from 22 different courses offered through Anna University Edusat.

The institution in the academic year 2020-21 has added several prestigious organizations to the list of recruiters. A total of 253 students participated and took the recruitment exams conducted by 25 companies including Accenture, Zoho, TCS and Infosys. A good number of 157 students were placed through campus recruitment with an overall placement percentage as 60.4%. The institution has a good relationship with various top companies. The institution has signed MOUs with Infosys, Bangalore under its Campus Connect and Deep Dive Programmes, Frontline Electronics - Chennai, SAIL - Salem, JSW- Salem, Tata Consultancy Services - Chennai and Aerospace Engineering Pvt. Ltd. - Salem to ensure students employability. The institution’s strong association with more than 40 industries continues to allow our students to undertake projects, training, internships and visits in these organizations.

The Institution lays stress not only on the academic development but on their holistic development also. In 2020-21 our students recorded significant achievements in sports activities also. Our college teams have participated in all tournaments of District, State and National Level Tournaments. The institute conducts regular yoga classes for faculties and students for their physical and mental well-being.

In the academic year 2020-2021, our students attended various programs such as Vigilance awareness week- 2020, Online awareness campaign on “constitution day”, Engineers day celebration, National Unity Day/Rashtriya Ekta Diwas was celebrated with theme of “Unity in diversity is better than unity in similarities”, and International Women’s Day. The ‘Environmental and Green Campus’ club of the institution took steps like providing steel tumblers and plates to all the departments there by ensuring the one time plastics are not used in the campus.