

**Department of Technical Education,
Tamilnadu**

**Government College of Engineering,
Salem – 636 011**

(AICTE Approval vide Lr. No. southern/1-9320555338/2021/EOA Dated 25.06.2021)

**C VII - INSTITUTIONAL VALUES AND BEST PRACTICES
(AY 2021-22)**

7.2 BEST PRACTICES

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

➤ **BEST PRACTICE – I**

1. Title of the practice: Clean and green campus

2. Objective of the practice To maintain a clean and green campus

3. The practice The college campus is located on a 162 hectares site surrounded by greenish natural environment. 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. Awareness Programme on single use plastics was conducted as "Swachhata Hi Seva 2020" to make the plastic free campus.

4. Impact of the practice Well-organized usage of college atmosphere with good and clean environment by the students and the staffs. Practice on plantation of tree plant saplings during some important events like independence day.

5. Resources required: Sweepers are needed to be allotted for campus cleaning. Environmental and Green Campus club to monitor the campus

6. About the Institution i. Name of the Institution: Government College of Engineering, Salem ii. Year of Accreditation: 2018 iii. Address: Salem iv. Grade awarded by NAAC: B+ v. E-Mail: principal@gcesalem.edu.in vi. Contact person for further details: The Principal, Government College of Engineering, Salem vii. Website :https://gcesalem.edu.in/sites/gcesalem.edu.in/files/Department_attachments/Best%20Practices.pdf





➤ **BEST PRACTICE – II**

1.TITLE OF THE PRACTICE:

Industry oriented Curriculum Design and Teaching – Learning Process. – 2022 Regulation.

2. Objective of the practice

To design Industry oriented curriculum to meet out the requirements and incorporate the recent technologies in the syllabus.

To establish relationship with reputed industries through industry oriented advanced courses (**FAB Courses**) satisfying both statutory body requirements and Programme specific demands. Four courses namely, Engineering sprints, Innovation sprints, Design sprints and Ideation sprints are offered to all the students of all the branches in GCE, Salem. Government of Tamil Nadu has approved for the establishment of FAB LAB at GCE, Salem. Thereby amendment was made in the curriculum of Regulations 2018 especially for the second year and third year students.

To promote courses as per the industry requirement and accommodate in Engineering Sciences courses, Program Core courses, Program Electives courses, Open Electives courses, EEC-Employment Enhancement courses and Mandatory courses.

To promote direct industry linkages with the departments and enhance In-plant training, Industry visits, field/site visits, Industry projects and Internship opportunities to the students and also to train the faculty in the recent advancements.

To involve students and faculty in patent registration, testing and consultancy activities for governmental and nongovernmental organizations and provide solutions for industrial /societal problems.

To promote various training programmes for students and faculty. Naan Mudhalvan offered by the Government of Tamil Nadu is a platform for industry specific skill development. One week Faculty Development Program titled " Hands on training of AR/VR gadgets" was conducted for faculty members of Government College of Engineering, Salem starting from 5-09-22 to 30- 9-22 in four batches by Dr.R.GoldaBrunet, AP/CSE and Prof.M.Priadarsini, AP/CSE with the motivation from Dr.R.Malayalamurthi, (Principal), Dr.D.Shoba Rajkumar, (HoD/ Civil, AR/VR lab in charge) and Dr.A.M.Kalpana (HOD / CSE).

To Upload: Industrial Exposure Visit at JSW Steels Limited arranged by Bureau of Indian Standards on 10.06.2022 (Friday)

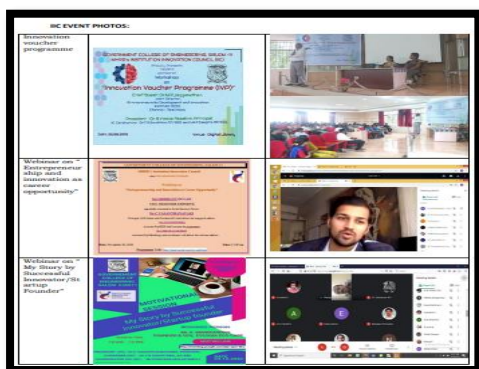


THE PRACTICE:

Curriculum Enrichment

- Bridge courses
- Induction Programmes
- Technical Seminars
- Industrial visits and In-plant training
- Internship Programmes
- Soft Skill Training
- Employability Skill Training
- Expert Lectures
- Project Competition
- Foreign Technical Training

- Faculty & Students – Participation in Seminar / Workshop / FDP related to Subject domain, Pedagogy & emerging research issues.
- MOOCs, NPTEL, QEEE, Swayam and other online courses.
- Additional Coaching for slow learners
- Implementation of new pedagogy methods
- GATE Coaching
- ICTACT-Employability Skill Training
- Women Empowerment Program organized by ICTACT in coordination with DXC Technology for 85 students (Core & Soft Skill)
- Pre-internship and Pre-Placement training to all students
- International Project Competition and Exhibition
- Students participated in Smart India Hackathon competition
- Institution Innovation Council organized many events.



Curriculum Flexibility

- Choice Based Credit System (CBCS)
- Fast Track Courses
- Add/Drop courses
- Self study courses
- More number of Professional electives and open electives
- Break of study permitted

ICT for effective teaching

E – learning resources

- Language Lab
- NPTEL, Swayam
- EDUSAT and QEEE programs
- e-contents, e –books
- Virtual Internship
- e-Journals and Educational CDs

ICT tools and resources

- LCD Projectors
- Interactive Audio Visual tool
- Smart class rooms
- Campus wide Wi-Fi
- OPAC (Online Public Access Catalog) system of Library

Faculty have received 10 Awards and 8 patents including patent published and granted. Research Leadership Award 2020, Outstanding Reviewer Award- Elsevier ,NPTEL Elite+Silver achievement, Best Paper Awards and Certified NASSCOM Trainer.

Testing and consultancy activities are carried out by the faculty of Civil Department to outside agencies.

Alumni (who are entrepreneurs / occupying a responsible position at industries) are called for interaction to enrich student's knowledge.

The Augmented Reality and Virtual Reality Laboratory was established in the Research and Development block at Government College of Engineering, Salem during May 2022. The lab is Air Conditioned with the facilities of High-End Personal Computers with Wi-Fi/Ethernet Service. The lab consists of Hardware Components worth Rs.23,60,000 and software materials worth Rs.23,69,052.

The Standards Club was established and a series of awareness programmes, events and competitions were conducted for students.

Naan Mudhalvan offered by the Government of Tamil Nadu is a platform for industry specific skill development.

4. Impact of the practice

Participation of Faculty and Students in the activities of Academy.

Participation of Faculty and Students in various CII activities.

Participation of Institution in NIRF India Ranking 2020 in Engineering Category

Participation of Institution in ATAL Ranking of Institutions on Innovation Achievements (ARIIA) 2020

5. Resources required:

Resources required: A full-fledged team to take care of industrial relations is required in each department. To perform consultancy activities, required equipment have to be procured.