# JKK MUNIRAJAH COLLEGE OF TECHNOLOGY
## T.N. PALAYAM, ERODE (DT)

## STRATEGIC PLAN FOR 2023-2027

## Our institution is committed to become

- Among One of the leading Technical Institutions of national Excellence
- Improving the NAAC grading in new maturity-based accreditation
- Multi-Dimensional Skill Delivery with OBE beyond Classroom Learning
- Major source for industry recruiters to choose Engineers
- Improvement in Entrepreneurial Culture and Startups
- Training students with industry and society required Soft Skills
- Improved Collaboration with Industries
- Focus on Research Activities and receiving grants and Filing patents.
- National Level Achievements in curricular, Sports and other extracurricular activities.
- Outstanding Alumni Relationship for Institutional development
- Achieving ranking and a position in NIRF ranking.
- Improving state of the art infrastructure and laboratories.
- Establishing Center of Excellence in various growing technologies.

**Curricular Aspects**:

Designing the curriculum which matches with industry requirements in the year 2022-2023 by introducing sprint courses starting from second semester to fifth semester for all students and making internship mandatory across all programmes.

Provision of academic flexibility in updated curriculum such as open elective courses and verticals

Review and constantly updating the curriculum and syllabi.

**Infrastructure Aspects:**

Establishment of AR/VR Lab in the year 2022-2023 with a cost of approximately Rs. 47 Lakhs.

**Innovation Ecosystem (Start-up initiatives):**

Development of InnovateTN lab to create a platform for start-up and research purposes in the year 2022-2023.

For this establishment, Tamil Nadu startup Mission has initially funded a sum of Rs.60 lakhs approximately. The total cost of this project is approximately estimated as Rs.100 lakhs.

**Research and consultancy aspects.**

Improving the Scopus indexed journal publications across all programmes.

Improving the H-index of the institution as 31 in the year 2024.

**In addition to that, the following is to be adopted in the following years:**

Collaborative academic activities shall be improved.

Collaboration for student/faculty exchange and research with industries shall be strengthened.

Securing projects funded through DST/UGC/AICTE and other government agencies shall be encouraged.

Each department shall identify the thrust areas in order to establish centre of excellence.

By implementing these measures, Government College of Engineering, Salem -11 would enable to attain **become top 5 state technical institutions, NAAC A++ accreditation and NIRF ranking within top 100.**

# Infrastructure Aspects

# Virtual Lab - AR-VR Lab

The Augmented Reality and Virtual Reality Laboratory:

In May 2022, the Augmented Reality and Virtual Reality Laboratory was inaugurated within the Research and Development section of the Government College of Engineering in Salem. This air-conditioned facility is equipped with high- end personal computers that have access to both Wi-Fi and Ethernet services. The lab houses hardware components valued at Rs. 23,60,000 and software materials worth Rs. 23,69,052.

A one-week Faculty Development Program focusing on practical training in AR/VR technologies was organized for the faculty members of the college. This program, titled "Hands-on Training of AR/VR Gadgets," was held from September 5 to September 30, 2022, in four separate sessions. It was conducted by Dr. R. Golda Brunet and Prof. M. Priyadarshini, both from the Computer Science and Engineering department. The initiative was supported by Dr. R. Malayalamurthi, the Principal, Dr. D. Shoba Rajkumar, Head of the Department for Civil Engineering and in-charge of the AR/VR lab, and Dr. A. M. Kalpana, Head of the Department for Computer Science and Engineering.

Third year students from the Department of Electronics and Communication Engineering have created virtual tour – 3D model of the entire department which. can be traversed in Virtual Reality. Similarly, students of the Computer Science and Engineering Department, has created a 3D model of a conference hall.
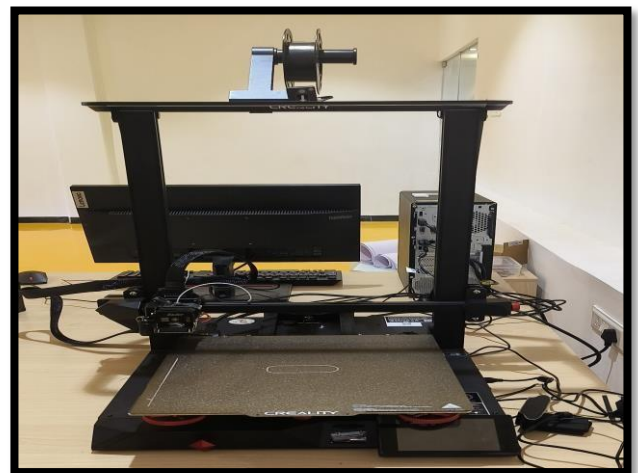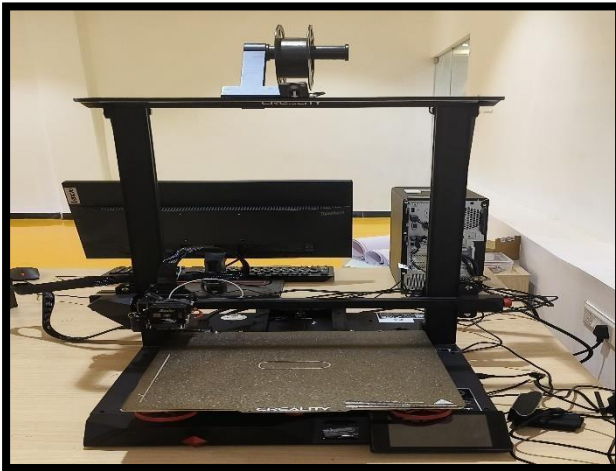
# Innovation Ecosystem (Start-up initiatives)

# Start-up initiatives:

The objective of these lab is to develop skills in technology, design, innovation, and entrepreneurship through an Innovation Centric curriculum delivered in a Learner Centric Pedagogy guided by the principle, "Innovation for Skills & Employability in the short-term leads to Innovation for entrepreneurship in the long-term".

InnovateTN is a joint initiative of the Directorate of Technical Education, and Department of Higher Education, Government of Tamil Nadu, Tamil Nadu Startup, and Innovation Mission (StartupTN), and Forge Innovation and Ventures (Forge). The objective of InnovateTN is to drive Tamil Nadu's innovation outcomes through defined processes, methods, and frameworks, implemented at the institution level, impacting students, educators, and industry in the local ecosystems.
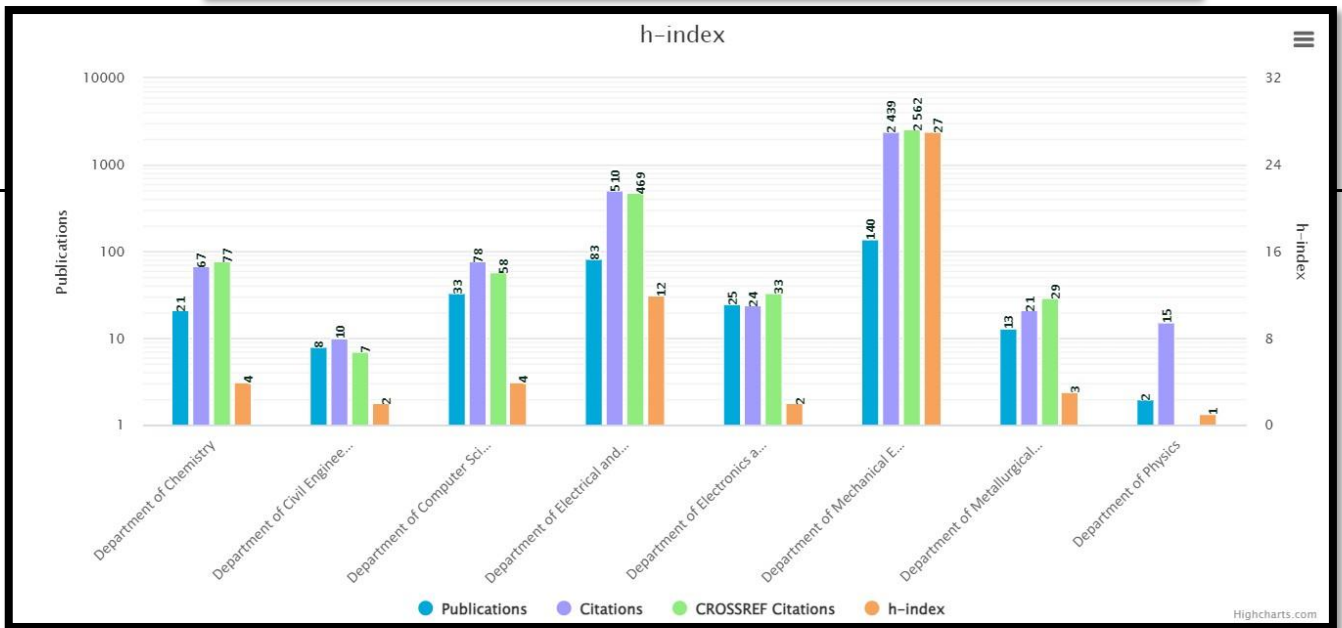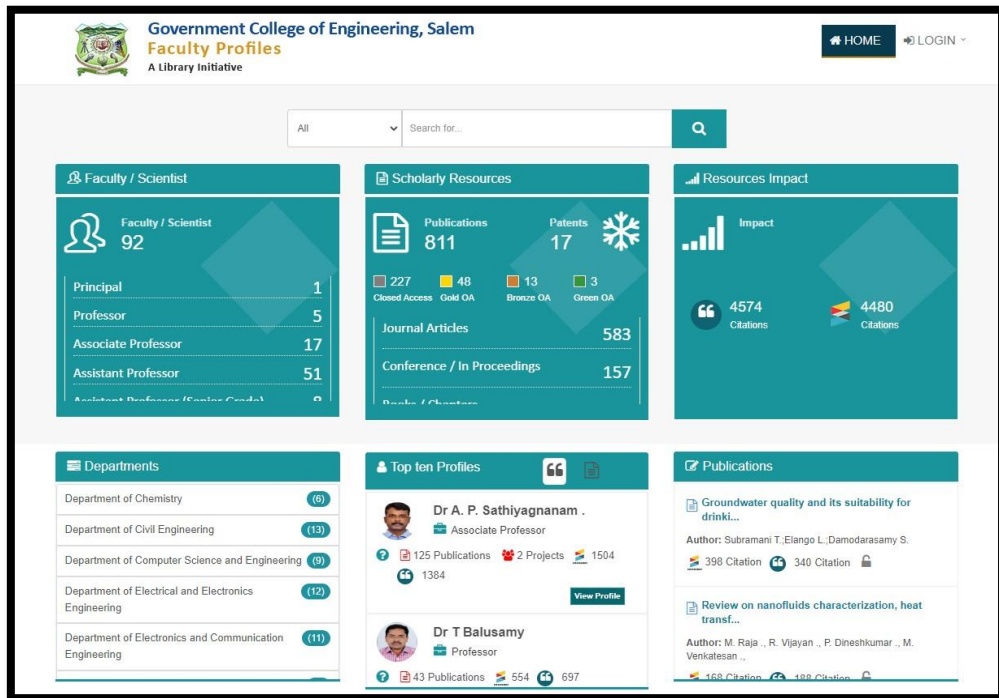


**Forge Innovate Tn Lab**

**Forge Innovate TN Lab**

# Research And Consultancy Aspects.

# IRINS

IRINS stands for Indian Research Information Network System, which is an initiative by the Government of India to facilitate information sharing and collaboration among researchers, academicians, and institutions across the country. It provides a platform for researchers to access scholarly publications, research data, funding opportunities, and collaborative tools. IRINS aims to promote interdisciplinary research and foster innovation in various domains by connecting researchers and institutions through a centralized digital platform.





**IRINS**