



SRM TRP
ENGINEERING COLLEGE
Affiliated to ANNA UNIVERSITY
TIRUCHIRAPPALLI

INSTITUTIONAL DEVELOPMENT PLAN 2020-2030

Vision of the Institute

To carve the youth as dynamic competent, valued and knowledgeable Technocrats through research, innovation and entrepreneurial development for accomplishing the global expectations.

Mission of the Institute

M1: To inculcate the academic excellence in engineering education to create talented professionals.

M2: To promote research in basic sciences and applied engineering among faculty and students to fulfil the societal expectation.

M3: To enhance the Holistic development of students through meaningful interaction with industry and academia.

M4: To foster the students on par with sustainable development goals thereby contributing to the process of nation building.

M5: To nurture and retain conducive lifelong learning environment towards professional excellence.

1. CURRICULAR ASPECTS

- To **become autonomous institution** in the year 2025 and offer programs with integrated curriculum and innovative educational framework.
- To **offer new U.G., P.G. and Ph.D.** programmes.
- To implement **choice based credit system** in all the programmes.
- To offer **value added courses (skill based)** addressing the contemporary technological advancements in the industry.
- To offer 50% of the courses in the curriculum with **emphasize on problem / project based learning** and 25% are **interdisciplinary courses**.

2. TEACHING-LEARNING AND EVALUATION

- To promote critical thinking and creative thinking among the students through **adopting innovative pedagogical practices** in all the courses offered per semester.
- To **create a pathway for the students** in all the programmes to achieve the desired programme outcomes.
- To **utilize Learning Management System** effectively for all the courses for analysing the learning progression of the students.
- To **achieve hundred percent faculty with Ph.D. qualification** in all the departments.
- To **develop eContent for all the core courses**.
- To bring examination reforms for assessing the students' learning and use ICT based tools for formative assessments.

3. RESEARCH, INNOVATIONS AND EXTENSION

- To attain excellence in research and **score top 100 best institute in research** in the country.
- To publish papers in reputed journals (SCI) i.e. **2 per faculty per year**. The target to achieve is **200 publications in reputed journals per year** and increase in **h-index to 40**.
- To get **grant from funding agencies of Rs. 50 lakhs** per year.
- To involve **20% of faculty members in technical consultancy** per year.
- To sign **2 MoUs per year per department** with the core industries/reputed academic institutes in India and abroad.
- To conduct 1 International conference; 2 FDPs and 2 workshops per department in a year
- To achieve **student/faculty/alumni start-ups one per year** through Innovation and Incubation Council.
- To get at least **5 patents granted per year**.

4. INFRASTRUCTURE AND LEARNING RESOURCES

- To uplift the academic and research **infrastructure to international standards** in operational, cleanliness and safety.
- To **establish state-of-art laboratories, smart class rooms and cutting edge research facilities** to accommodate the increase in intake due to introduction of new programs.
- To establish **one centre of excellence per department** for quality research in thrust areas.

5. STUDENT SUPPORT AND PROGRESSION

- To aim for **hundred percent quality placement in core industries** for students across all the programmes offered by the Institution.
- To aim for higher diversity by enrolling students from other parts of the country (**10% from other states**).
- To offer career guidance, life skills, Indian knowledge system, global citizenship education programs for all students across the institution.
- To encourage the students to be a life-long learners through completion of MOOCs during their period of study and pursue higher studies in reputed institutions in India or abroad (**10% of the graduates per department per year**).
- To increase the number of awards (**5% of the total students per year**) received by the students in cultural and sports activities at state / national / international levels.

6. GOVERNANCE, LEADERSHIP AND MANAGEMENT

- To obtain **program level accreditation for all the UG and PG programmes** offered in the institute by **National Board of Accreditation**, India.
- To aim for **top 100 rank** in Engineering College category in **NIRF Ranking**.
- To aim for **hundred percent students enrolment** in all the programmes offered by the institution.
- To **induct professor of practice** from industry to offer courses in cutting edge technological areas.
- To aim for **complete e-governance** in all the processes of the institution.
- To successfully implement **one quality assurance initiative per year** per department.
- To **collaborate with eminent academic institutions** for quality initiatives.
- To establish more alumni chapters in India and abroad.

7. INSTITUTIONAL VALUES AND BEST PRACTICES

- To aim for **utilizing all forms of renewable energy sources**
- To aim for **hundred percent waste management** through implementing streamlined system across the institution.
- To implement **one green initiative per year** in the institution.
- To **address all the Sustainable Development Goals** through education, research and all other initiatives in the institution.
- To **upskill students** through integrated professional, personal and interpersonal skill development programs for employability and industry readiness.
- To **collaborate with reputed international universities** for student and faculty exchange programs enabling cutting edge research and interdisciplinary education.