

**THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI – 625 015**

Best Practice 1:

Title: Students' Participation in Technical Events

Objective:

To improve problem solving and team building skills of students through technical events

Context

Conceive-Design-Implement-Operate (CDIO) framework based curriculum was introduced to build socially responsible and professionally skilled graduates. This created an environment to implement innovative ideas through professional society and entrepreneurship development cell activities.

Practice

- Identification of real time societal/industrial problems
- Design of conceptual models/prototypes
- Assessment and evaluation using rubrics

Evidence of Success:

- Winners in many technical contests like Smart India Hackathons, coding and design contests
- Improvement in Placements

Problems Encountered and Resources Required

- Productizing the idea to the next level
- Patenting the ideas

Best Practice 2

Title: New Research Policy

Objective:

- To promote quality research in the institution.

Context

- New research policy was introduced to improve research culture in the institution.

Practice

- Course on "Research Practice" for undergraduate students
 - Team formation with faculty mentor
 - Publication of research outcomes in Scopus/Web-of-Science indexed conference/Journals
 - Credit Transfer
- Thiagarajar Research Fellowship for full-time research scholars
- Incentives for faculty and research scholars based on publications in Scimago Journal Ranking (SJR)

Evidence of Success:

- Increase in research publications in high quality Journals

Problems Encountered and Resources Required

- Longer time for Publications in SJR Journals