



A.R.J COLLEGE OF ENGINEERING AND TECHNOLOGY

Edayarnatham - Mannargudi

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai-25
(An ISO 9001:2015 Certified Institution)



7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

BEST PRACTICE - 1

1. Title of the Practice

REAL TIME PROJECTS TO SOLVE SOCIETAL PROBLEMS

2. Objectives of the Practice

The objective of this practice is to

- * Develop social responsibility among the students.
- * Mould the students into good citizen and there by develop the nation.
- * Design projects to eradicate the social issues and for the betterment of the society.
- * Motivate the students to bring out their hidden talents.
- * Improve the quality of education for school children through conduct of PROJECT EXPOS.
- * Give exposure to school students about engineering and technology.

3. The Context

The engineering education has a variety of ethical responsibilities to society and the environment. ARJCET has taken necessary steps to improve and enhance the dissemination of environmental literacy to students. The main aim of this practice is to create awareness, impart knowledge and attitude of concern and to nurture necessary skills to handle the society related issues and challenges.

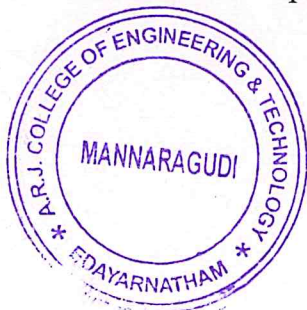
4. The Practice

The campus prides itself in providing noise free environment which ensures friction free flow of academic activities.

* Final year students are motivated to do projects which focuses on the improvement of social and environmental aspects.

* Self Interest Groups: Every year students who show immense interest in social related aspects are divided into groups and they elicit their talents in developing human as well as eco-friendly projects.

These activities improve the skills, leader ship quality and team work of the students.



E. V. Razhvanath
PRINCIPAL
A.R.J. COLLEGE OF ENGG. & TECH
EDAYARNATHAM, MANNARGUDI.



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5. LIST OF REAL TIME PROJECTS TO SOLVE SOCIETAL PROBLEMS

Sl.no	Name of the Department	Title of the project	Cost (In Rs.)	Applications of the project
2022-2023				
1	EEE	Modelling of Energy Storage Systems and Analysis of Power System Stability using Smart Grid	700,000	M/s. Hindusthan Transformers, No.37-B, SIDCO Industrial Estate, Thirumazhisai, Chennai-600124
2	ECE	Prediction of Preterm Deliveries Using EMG Signal	600,000	Meck Teck Research Foundation, 6/9, Kamarajapuram 17-th Street, 1-st Cross, Pudukkottai-922001, Tamilnadu, India.
3	CIVIL	Survey and solution provided for district accident zone(hot sport)	23,000	Survey and protective measures created for district road accident sports identified by tiruvarur police department
4	MECH	Modelling and Analysis of IC Engine piston with Composite Material	5,00,000	Suntek Automation and Solutions, No.5, Pazhavandhankattalai, 2nd Cross, Sri Seethalamman Nagar, Kumbakonam 612001, Tanjore-Dt, Tamilnadu.
2023-2024				
1	EEE	Modelling of Energy Storage Systems and Analysis of Power System Stability using Smart Grid	7,00,000	M/s. Hindusthan Transformers, No.37-B, SIDCO Industrial Estate, Thirumazhisai, Chennai-600124
2	ECE	Prediction of Preterm Deliveries Using EMG Signal	6,00,000	Meck Teck Research Foundation, 6/9, Kamarajapuram 17-th Street,



E.N. Raghunath

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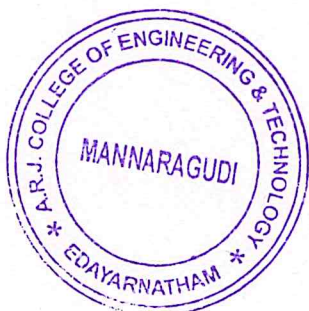


				1-st Cross, Pudukkottai-922001, Tamilnadu, India.
3	CIVIL	Survey and solution provided for district accident zone(hot sport)	12,000	Survey and protective measures created for district road accident sports identified by tiruvarur police department
4	MECH	Modelling and Analysis of IC Engine piston with Composite Material	500,000	Suntek Automation and Solutions, No.5, Pazhavandhankattalai, 2nd Cross, Sri Seethalamman Nagar, Kumbakonam-612001, Tanjore-Dt, Tamilnadu.

6. Evidence of Success

The outcomes of the practices are

The real time projects to solve societal problems is guidance for all students to improve their performance in their field. Real time projects with the theme of eradicate social issues have sowed the seed as not only as an engineering graduate but also as a responsible citizen.



P.N. Razhonnath
PRINCIPAL
A.R.J. COLLEGE OF ENGG. & TECH
EDAYARNATHAM, MANNARGUDI