# **Project Details**

## **Title of Project** : Power plant  Thermal efficiency improvement

## **Mentor Details** :

## Industry mentor : Mr. Praveen Vijayvargiya (M. No. 9146051929)

Faculty mentor : Prof. Ankur Bhattacharjee

## **Skill Set Requirements**:

## (1) Basic fundamentals of Thermodynamics.

(2) Latest Automation technology awareness and E&I basics.

## **Project Outcomes**:

## Understanding Thermal power plant technology

## Awareness about new technology.

## Awareness about new digitalization technology related to Power Generation.

## **Project Description**:

## Improvement of Thermal Power plant efficiency through Digitalization technology and reduction on Auxiliary consumption of Plant.

## **Project Work Plan**

## Week -1: Basic of Thermal Power Plant

## Week-2 : Automatic Process Controller-Part-1

## Week-3 : Automatic Process Controller-Part-2

## Week-4 : Auxiliary reduction of Power Plant

## Week:5 : Variable frequency drives

## **Major Project Milestones**:

## Understanding Thermal Power plant technology and Improvement initiatives for Thermal power plant efficiency.