

Mehta Jaydeep J.

30/03/2015

Instrumentation and Control Engineer



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DoB : 25-09-1993

CARRIER OBJECTIVES

To work on the implementation of optimistic and user friendly control for the most efficient usage of Plant resources & also concurrently improve my skills while working with experienced dignitaries and colleagues in the world class organization like yours.

EDUCATION

Academic Credentials.	Results.
2014-15 Instrumentation And Control Engineering from Government Engineering College, Sector-28, Gandhinagar. Affiliated to GTU.	CGPA = 8.18 & CPI=7.60 (last acquired result)
2010-11 HSC (Science stream) from Krishna Science School, Jamnagar.	86.55 Percentile Rank
2008-09 SSC from St. Gregorios High School, Jamnagar.	70.15%

ACHIVEMENTS

I am currently studying final semester at **INDIAN INSTITUTE OF TECHNOLOGY, Gandhinagar** under fellowship offered by college. Following are the courses I am pursuing there :

Engineering Optimization.

Algorithm Analysis and Design.

Digital Systems and Microprocessor.

Project Course.

PROJECT & TRAINING

AUTOMATIC TARGETTING SYSTEM WITH GUIDED MUNITIONS

Automatic targeting system is the sensitive system which detects the presence of intruder and destroys it. Practically RADAR is used for detection of intruder. Based on calculations of the target position and the impact zone the munitions will be launched. For accurate targeting even after munitions has been launched, Thermal IR guiding system will be provided on the munitions itself which will follow the IR emission signature of the target typically due to nozzle emissions of the fighter jets. Due to cost constraints, we will be prototyping the system for unidirectional target detection and destruction. Also thermal guiding will be prototyped with 2D constraints at ground level using the thermally guided robot.

INDUSTRIAL EXPOSURE

I have done my industrial training at **ESSAR Vadinar Power Company Limited**, Jamnagar. During my training period I have got the lot of practical exposure on Control Practices and industrial standards.

I have studied the Process of the Coal based, Natural gas based and Oil based power plant as I find knowledge of process before designing the plant control is of more importance. I have also studied the practical calibration of commonly used instruments. The work culture including Preventive Maintenance (PMs) and Pre-Determinative Maintenance (PDMs) and GEMBA (Cleaning of Plant at weekends) was worth observing.

SKILLS

- ☐ Knowledge of Computer Simulation software like Matlab, Proteous, Keil, LabView etc and Computer software development environment of **Microsoft .NET Framework**.
- ☐ Developed the software in **.NET Framework** for the REMOTE control of DC motor.
- ☐ A passion to learn and increase skills in diverse fields.

MISCELLANEOUS PARTICIPATIONS.

TEXAS INSTRUMENTS ANALOG MAKER COMPETATION.

Winner of Group Analog Circuit Maker Competition.

GTU YOUTH FEST XITIJ'14.

Winner of the Group Advertisement Making Competition at ZONAL level and **Second Runner Up** at Inter-Zonal level.

TRAINING AND PLACEMENT CO-ORDINATER

I am an active co-coordinator of T&P cell and have coordinated in group various related activities including SANKALAN (An Industrial-Institute Interaction) and HR Meet.

LANGUAGES KNOWN

Can read, write and speak English, Hindi and Gujarati languages.