Manoj Sreenivasa Reddy

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EDUCATION

VIT CHENNAI
M.Tech in Mechatronics
CGPA : 8.11

AMRITA SCHOOL OF ENGINEERING
B.Tech in Mechanical Engineering
CGPA : 6.01

SRI GAYATRI
IPE
percentagee : 80.6

TECHNICAL CERTIFICATION

- PLC ,SCADA

STRENGTHS

- Team Management
- Communication Skills
- Strategic Planning
- Adaptable to Any Environment
- Quick Learner

INDUSTRIAL EXPERIENCE

- Intern at APZENCO AP

CO-CURRICULAR EXTRA CURRICULAR ACTIVITIES

- Participated in drama during Kalakriti-2012 in the college
- Conducted fun events during EKATVA Tech Fest in the college
- Participated in marathon during college Tech Fest-2016 in the college

CAREER OBJECTIVE

Intend to have an industrial experience, with a challenging role and creative environment which would exploit my potential and skills to its maximum, keeping me updated of all the professional issues and evolve me as a best professional throughout my career.

KEY SKILLS

- PLC,SCADA.
- Calibration and interfacing of sensors to micro controllers
- AUTOCAD, ANSYS, CATIA.
- C, MATLAB,Arduino.

PROJECTS

ARM PROCESSOR BASED VEHICLE THEFT DETECTION SYSTEM
Description : Developed smart anti-theft system and provided authorization owner to reduce theft of the vehicle. A fingerprint sensor, vibration sensor, laser diode, photo detector, dc motor are used to create a security system for the vehicle.A GSM is used to send an SMS to the owner if anyone tries to access a vehicle.
Technology :GSM ,Aurdino DUE ,Ultrasonic sensor,arduino programming.

MODELLING AND DESIGN OF CRUISE CONTROL SYSTEM FOR AUTONOMOUS VEHICLES
Description : The cruise control system is one of the most popular and important laboratory models for teaching control system engineering. A mathematical modeling for linear and nonlinear dynamic model of the cruise control system is obtained. PID, State space and artificial intelligence controller are designed for linear model.
Technology :Automation, Vehicle Safety.

PREPARATION AND CHARACTERISATION OF COPPER COATED GRAPHITE
Description :In this project, cu is coated with graphite with the help of electro less process and a scanning electron microscope is used to take the image of cu coated graphite. The hardness of manufactured composites increased when coated with copper in comparison to uncoated graphite.
Technology : Surface roughness, SEM.

DESIGN AND DEVELOPMENT OF SCARA ROBOT FOR PICK AND PLACE APPLICATION
Description : A SCARA robot was designed and developed for industrial purposes using Atmega328 processor based control system with VRO notation robot for pick and place applications. An IR sensor is used to detect the object when an object is detected within the given range then the robot will start automatically and it will pick the object and place the object in the desired position.
Technology : Arduinio uno ,IR sensor,Arduino programming.