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Experience – Projects & Training

SMART PARKING SYSTEM USING ARDUINO

SITM, NOIDA

09/2018 – 04/2019

E2E (end to end) system is developed to replace the physical status update of vacant space in multi-level parking lots.

Making parking **easier, faster** and **cost effective**.

Systematic flow (describing Input, Solution, Output):

- Proximity Sensors signals as soon as vehicle fills up the space
- **Arduino Uno (Brain)** perform multiple computations on collected signals and update the position of parking spaces
- Output a simple readable summary containing status
- "green" for availability, "red" for un-availability along with number of vacant, busy spaces resp. on LED screen

TRAIN INTEGRATED MANAGEMENT SYSTEM

DMRC, Delhi

06/2018 – 07/2018

Delhi Metro Rolling Stocks comprises of ROTEM, Mitsubishi Corp., Mitsubishi Electric Corp managed by BEML (Bharat Earth Movers Limited).

TIMS on 7 Lines is integrates vehicle's Brakes & Pneumatics, AIRCON, PA/PIS, DOORS.

Silent Features TIMS, got exposed to during training:

- **Train Formation** in which I have learned about supply voltage and fail safe braking system with regenerative braking
- **Saloon Interior** in which I have learned about lighting systems. How system is breaks into AC and DC for normal and emergency lighting along with **Gangway Lights**
- More I got exposed to Traction inverter, auxiliary power supply, Brake electronic control units, Door control units, Air conditioners

SMART WASTE TECHNOLOGY

SITM, Noida

09/2017 – 04/2018

In proposed system, the level of garbage is detected with the help of **ultrasonic sensor** and sent to the authorized agency for garbage collection through GSM system.

Complete solution uses **PIR sensors** to detect the motion of the people coming to the garbage bin with trash while bin is at full status and block adding of any more garbage by informing them by **speaker**.

Solution is **scalable** for any size of garbage disposable site or container, advanced in **informing** the collection vans through GSM or via control room environment

Skills

Microsoft Excel

Microsoft Word

MS Office Product

C Programming

Data Structure

MATLAB

CAD LAB

Problem solving

Critical Thinking

Innovation

Interpersonal Skills

Interpersonal Skills



Education

B. Tech. (Electronics and Communication)

Dr. APJ Abdul kalam University, Noida

04/2015 – 04/2019

Professional Development

Cisco Networking

APTON SOLUTION PVT. LTD., Noida

Entrepreneur Development Program

National Institute of entrepreneur and small business development, Noida

Awards and recognitions

First position in Inter-college women cricket

Second position in Inter-college Lawn Tennis Competition (Mixed Doubles)

Language

ENGLISH



HINDI

