

# NASAR AHMAD WAHIDI

Nasarahmad.best@gmail.com | +91-9457631759  
Ghaziabad

## SUMMARY

---

To serve in an organization where I could fully utilize my analytical skills, enhance my innovative ideas and get an opportunity to develop my technical skills, and need a platform to prepare our-self for being a good engineer.

## EDUCATION

---

**KRISHNA INSTITUTE OF ENGINEERING AND TECHNOLOGY - 2017**  
*Graduation (Full Time)*

## ACADEMIC PROJECTS

---

**Energy Audit of K.I.E.T Ghaziabad (12 Member Team, My role “Layout design & Data Analyzer”)**

Audit conducted at KIET Ghaziabad here our team conclude the loading of system, their maintenance, actual mapping of system and load scheduling factors etc.

**Badminton Playing Robot (ROBOCON 2015) (29 Member Team, My role “Embedded Programmer & Tester”)**

Here in this project we made two robots that were able to play badminton and competed in ROBOCON 2015, and were placed second all over India. The project involved use of pneumatics advanced control systems and Bluetooth technology all interfaced together in a single unit.

**Load based Automatic Switching of Motors (3 Member Team, My role “Team Leader & Embedded Programmer”)**

There are many smart appliances present but till now one has to check the contents of jar while using a mixer for proper mincing. The project removes this problem by automatically switching OFF the blender when task is complete.

**Battery Monitoring system (3 Member Team, My role “Team Leader & Circuit Designer”)**

It is a battery monitoring system that analyses current state of battery and based on its state calculate its SOC and gives the expected run time of an electric vehicle. The project was successfully implemented in an electric vehicle with 48 Ah Lithium ion battery pack.

**Pulse Alarm (3 Member Team, My role “Team Leader & Embedded Programmer”)**

A micro-controller based system which uses a light based pulse sensor for detecting a person pulse. The system reads and monitors the pulse of a person and whenever there is an abnormal change in pulse patterns it raises an alarm. Thus, detecting cardiac arrest, stroke & fainting.

**Mini hydro power plant (8 Member Team, My role “Turbine Design & Electronics Head”)**

Here in this project i utilize the waste sewage water for the generation of electricity with the help of pelton wheel based turbine system. as the waste water falls on the turbine fins it rotate the turbine. turbine is mechanically coupled with a pulley. this rotational energy transmit to another small pulley which is attached with a generator. transmission through pulley belt mechanism.

## **INDUSTRIAL TRAININGS**

---

### **Industrial Training for 6-weeks at EMU Car Shed Ghaziabad (June-2016 to July-2016)**

In this training program I learned how the maintenance of EMU is performed, its working, role of various components, various types of testing performed, electrical circuit inside of an EMU & an insight of 25kV railway OHE system.

### **Embedded System & MATLAB (June-2014 to July-2014)**

In this training program i learned about the circuit designing , circuit testing and its maintenance also this training program cover PCB designing (software and hardware both), embedded system & MATLAB.

## **CERTIFICATIONS**

---

- Certification of Grabbed 3<sup>rd</sup> position in INNOTECH 14 in KIET was held on 31st October 14(institute level) 2014
- Grabbed 3<sup>rd</sup> position in Project Presentation in Innotech'2015 in KIET, held in October 15(institute level) 2014
- Participated in National ROBOCON 2015.
- Stood 2<sup>nd</sup> in National ROBOCON 2014.
- Participated in Google Science Fair.

## **SKILLS**

---

- Circuit Implementation/Design
- EMBEDDED System
- PCB designing
- Layout design of Electrical System
- Workshop

## **OTHER ACHIEVEMENTS**

---

- Society member "FAMGRID"(A Technical Society) under department of electrical and electronics Engineering KIET
- Society member & treasurer "DINOBOTS"(A Technical Society) under department of Electronics and Communication Engineering, KIET