

# Harsh Raghuwanshi

Electrical and Electronics  
Engineering, MIT (2017-2021)



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## EDUCATION

### B.Tech

Manipal Institute of Technology(2017-2021)

#### Courses

- Electrical and Electronics Engineering
- Minor Specialization in Digital Marketing(2020-present)

### 12th Board

Bharti Vidyapeeth(2017)

### 10th Board

DPS Pune

## WORK EXPERIENCE

### Summer Trainee/Intern

Mondelez India Foods Pvt. Ltd (May-June 2019)

#### Achievements/Tasks

- Analysis of electrical control systems like relays, circuit breakers, frequency drives and other power supply units integrated with assembly production lines.

### International Liaison

IAESTE India LC Manipal (2019-2020)

Confirm acceptances for all the incoming candidates of IAESTE LC Manipal through the employers and generating acceptance documents for their VISA Procedures.

### HR Co-ordinator

IAESTE India LC Manipal (2018-2019)

As the HR Co-ordinator, I was responsible for handling the Local Committee and communicating between the board to ensure minimum friction and conduct a campus wide recruitment at the end of the tenure.

### Local Committee Member

IAESTE India LC Manipal (2017-2018)

Part of the workforce which carried out tasks for the various departments in IAESTE ranging from Exchange to Business Development and Public Relations.

### RED-X

Volunteer(2017-present)

Part of the volunteering committee for Red-X which is a non profit socio-adventure club that hosts adventure trips and directs all the funds generated in hosting workshops and camps for the underprivileged children

## SKILLS

Java

C++

MATLAB

PSPICE

LABVIEW

SIMULINK

XILINX

AUTOCAD

Keil

## PERSONAL PROJECTS

Weather Monitoring Station (Feb 2020)

- A scaled down version of a working weather station with tools required to determine weather patterns with the aid of suitable sensors.

Embedded Systems Workshop (2020)

- A hands-on workshop conducted by HT Labs India on the working and of Arduino Uno/Nano and their extensive application in the field of robotics.

Heart Rate Monitor Using 8051 MC (October-2019)

- Heart Rate Monitor using infrared reflection method called photoplethysmography (PPG). It is interfaced with an LCD with the help of a CMOS 8-bit microcontroller AT89S51 to display the beats per minute.

Vehicle Parking System (March-2019)

- A multi floor car parking system implemented using Verilog and Xilinx FPGA which grants access to any vehicle ( detected by an ultrasonic sensor) upon entering the correct password indicated via the LED and opening a gate with the help of a servo motor involving the applications

Automatic Bike Turning Indicator (Feb -2018)

- A PCB and working model of an IC based automatic bike turning Indicator using LM393 comparator and ADXL355 accelerometer which works on the degree of tilt interpreted in any direction and gives an LED output.

## INTERESTS

Keen interest in sports. Participated in CBSE Western Zone of India Basketball(2015) along with regional accolades for Swimming.

Animal and nature enthusiast.

Avid traveller

Robotics- Active volunteer for Robowars, a robotics event in the technical fest of the university