MUHAMMAD ARSLAN

Muhammad.bsee2297@iiu.edu.pk

+92-0340-5889698

PROFILE

I am an enterprising young professional intending to pursue my career as a Electronics Engineering. In terms of result and objectives, I am enthusiastic, and I work with decisiveness and conviction. I have a proactive attitude and find positive ways to stimulate and engage with people.

EDUCATION

2014 – 2018   **Bachelor in Electronic Engineering**

International Islamic University, Islamabad

- Relevant Courses: FOP, OOP, MC, ECD, AVR, FPGA, POWER CNN, VLSI

- FYP: 2D Design and Implementation of Camera Stabilizer
- CGPA: 3.1/4

PROJECTS

- **4Bit "ALU" Simulation and Fabrication**
  It is device that can do basic Mathematics & Boolean function (Addition, Subtraction, Multiplication, And, Xor).

- **Bidirectional Visitor Counter (Microcontroller)**
  It is device that can count number of visitors in an auditorium, hall, room, offices, sport venues etc.
  "
- **Line Follower Robot**
  An autonomous robot which follow black line in white arena or white line in black arena.

- **Analysis of signal (Lab View)**
  Simulation model used to find different type of responses like FFT, Convolution.

- **Fabrication of Half wave Control Rectifier**

  Ac to Dc control rectifier module.

- **"2D Design and Implementation of Camera Stabilizer"(FYP)**
  The main purpose of this final year project is to design a 2D platform stabilizer for camera. Major part of the project is IMU (inertial measurement unit) and two 180 degree rotation servos. The IMU is composed of 3_axis accelerometer and 3_axis gyroscope to provide measurements of the platform's motion and angular velocity these readings then pass on to microcontroller through serial communication (I2C) which then according to situation produce PWM signal to moves servos in opposite direction to stabilized the platform.

SKILLS

- **Programming**
  Fundamental of programming(FOP), Object oriented programming (OOP), System Programming(c)

- **Software Tools**
  Proteus, circuit Maker, Matlab, Ardiuno,Keil, LT Spice,Modelsim,Cisco Packet Tracer, Lab View

- **Languages**
  Urdu, English

- **Others**
  Control System, Signal and System, Digital Signal Processing, Computer Networking, VLSI, MET

EXTRACURRICULAR ACTIVITIES

- Documentaries
- Playing games
- Net surfing
- Political Discussion

CV Muhammad Arslan