WASIQ MASUD

CONTACT INFORMATION

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Sector-8,North Karachi,
Pakistan

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EDUCATION

B.E., Electronic Engineering (CGPA: 3.285)
NED University of Engineering & Technology, Karachi, Pakistan 2021

Intermediate, Pre-Engineering (GRADE: A)
Govt. Collage For Men Nazimabad, Karachi 2017

EXPERIENCE

Research Assistant
Neurocomputation Lab, National Centre of Artificial Intelligence
NED University of Engineering & Technology October 2021 - Present

Research & Development Intern
NED University of Engineering & Technology, Electronic Dept. January 2019

Avionics Intern
Pakistan Civil Aviation Authority (PCAA) March 2021 – April 2021

SKILLS

Electronics Circuit Design
Analog Circuit Design, Power Electronics, Signal Conditioning, PCB Design, Embedded System Design, Digital Circuit Design, Reverse Engineering

Development Board:
Arduino, Raspberry Pi, STSPIN3202.

Programming Languages:
C-Language

Software:
MATLAB, PSpice, LTspice, Proteus, Altium Designer, Multisim, MS Office(Word, Excel, Powerpoint).

COURSES

Power Electronics
Interfacing with the Arduino
The Arduino Platform and C Programming
Introduction to Internet of Things(IOT) and Embedded Systems
Hands-On Power Electronics (EDC, NEDUET Karachi.)
Machine Learning (NCAI, NEDUET, Karachi)

FINAL YEAR PROJECT

True On-line UPS with Active Power Factor Correction

- In double conversion UPS batteries connected to the inverter hence no need of power move exchange, when Power loss appears the IGBT rectifier simply dash out of the circuit and battery is the power reliable and no change. When power repaired the rectifiers digest give most of the load and begins charging the battery the charging current can be finite to avoid the high power rectifiers from over-heating the batteries.
- Capable to give an electrical firewall among the incoming utility power and sensitive electronic equipment

PROJECTS

Facial Recognition Security System Using Raspberry Pi
RFID Security System Using Arduino
Bluetooth Control Distance Measuring Car
DC Motor Speed Control through Temperature Sensor
Audio Amplifier with Noise Reduction

Co-Curricular Activities

Young Scientist Exhibition & Family Carnival
(1st Prize 2013 & 2014)
SUPARCO Water Rocket Competition -2015
Magnifiscience Exhibition Islamkot, Tharparker-2018