

Adeeba Shams

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Address

Gulshan e Surjani, Gadap West
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Pakistan

Objective	To obtain an internship in the field of engineering, where my skills and education can be utilized. As a hardworking and adaptable individual, I am eager to further develop my skills and knowledge while contributing to the company's projects and goals.	
Education	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) Bachelors of Science in Electrical Engineering(Power) CGPA: 2.80/4.00	Topi, PK 2020 - Present
	The Citizens Foundation College(TCFC) Intermediate in Pre Engineering Result: 86%	Karachi, Pakistan 2018 - 2020
Work Experience	Preply Teach online Math on Preply, Preply is an e-learning platform for private lessons.	Online website January 23 - Present
Academic Projects	Car Parking System In this project Arduino UNO, ultrasonic sensor and 5volt buzzer were used. For the software implementation, LabView was used.	
	Digital Dice PIC184550 microcontroller system and 7 Segment Display were used in this project, programing code was built on MP-LAB and simulation on Proteus.	
	Triangular Wave Generator In this project the square wave was generated using OpAmp and converted it into triangular wave by connecting an integrator to the square wave generator.	
	Four Way Traffic Light The basic components such as FlipFlop, ICs, DC Power Supply, and Toggle switches were used in this project.	
	Sound Reactive LEDs The project connects an LED strip to a circuit. A linear amplifier IC was used in this circuit.	
	Voltage Regulation using Shunt Capacitor The aim of this project was to design a control mechanism for the voltage regulation of short transmission line, and to generate the error signal on MATLAB.	
	Synchronization of Power The aim of this project is to design a Synchronization system of Power generated by solar energy with grid in MATLAB Simulink.	
	Single Phase Transformer The objective of this project was to design a single phase transformer of 85VA.	
	Designing of LiFi Transceiver The aim of this project was to design and development of LiFi Transceiver System using MATLAB and a mobile application Phyphox.	
	Auxiliary transmitted audio recording signals The aim of this project was to compare different modems and to investigate spectral efficiency, power, noise characteristics and channel variations by using MATLAB.	
	Dc-Dc Boost converter The objective of the project was to make a Dc-Dc Boost converter by STM32 Microcontroller Board. Generated PWM by using CubeMx Software on STM32 board.	
	Servo Mechanism Analysis of the computation of the transfer function between the angular speed of the motor and applied voltage.	
Awards & Achievements	- Promoted to Treasurer of NETRONiX GIKI based on effectively handling society's event and trip finances with precision.	
	- Innovation Head of Team Urban (Team Urban works on an autonomous vehicle to compete annually in Shell Eco Marathon Asia in gasoline category)	
	- Event Head of International Society for Photo-optical Instrumentation Engineers (SPIE)	
	- Promoted to network administrator of four hostels based on successful resolution of basic internet troubleshooting in university hostel rooms.	
	- Liaison and social media Head of NETRONiX GIKI	
Skills	- Part of Unilever Pakistan's Engineering Possibilities program	
	- Microsoft (Word, Excel, PowerPoint, Office), Creo CAD(Basic), Proteus, LT-Spice, MP-Lab(Basic), ModelSim(VERILOG), Altium Designer(Basic), LabVIEW, MATLAB Simulink, Adobe premier pro(Basic), Canva, Dev++, Visual Studio, MultiSim(Basics), teamwork, problem solving, networking, social media, event management.	