

# Adeeba Shams

adeebashams07@gmail.com  
+923401245060

## Address

Gulshan e Surjani, Gadap West  
Karachi, Sindh  
Pakistan

<b>Objective</b>	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.	
<b>Education</b>	<b>Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI)</b> Bachelor of Science in Electrical Engineering(Power) CGPA: 2.80/4.00	Topi, PK 2020 - Present
	<b>The Citizens Foundation College(TCFC)</b> Intermediate in Pre Engineering Result: 86%	Karachi, Pakistan 2018 - 2020
<b>Work Experience</b>	<b>Preply</b> Teach online Math on Preply, Preply is an e-learning platform for private lessons.	Online website January 23 - Present
<b>Academic Projects</b>	<b>Car Parking System</b> In this project Arduino UNO, ultrasonic sensor and 5volt buzzer were used. For the software implementation, LabView was used. <b>Digital Dice</b> PIC184550 microcontroller system and 7 Segment Display were used in this project, programing code was built on MP-LAB and simulation on Proteus. <b>Triangular Wave Generator</b> 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. <b>Four Way Traffic Light</b> The basic components such as FlipFlop, ICs, DC Power Supply, and Toggle switches were used in this project. <b>Sound Reactive LEDs</b> The project connects an LED strip to a circuit. A linear amplifier IC was used in this circuit. <b>Voltage Regulation using Shunt Capacitor</b> 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. <b>Synchronization of Power</b> The aim of this project is to design a Synchronization system of Power generated by solar energy with grid in MATLAB Simulink. <b>Single Phase Transformer</b> The objective of this project was to design a single phase transformer of 85VA. <b>Designing of LiFi Transceiver</b> The aim of this project was to design and development of LiFi Transceiver System using MATLAB and a mobile application Phyphox. <b>Auxiliary transmitted audio recording signals</b> The aim of this project was to compare different modems and to investigate spectral efficiency, power, noise characteristics and channel variations by using MATLAB. <b>Dc-Dc Boost converter</b> 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. <b>Servo Mechanism</b> Analysis of the computation of the transfer function between the angular speed of the motor and applied voltage.	
<b>Awards &amp; Achievements</b>	- 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 - Part of Unilever Pakistan's Engineering Possibilities program	
<b>Skills</b>	- 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.	