

# Hafiz Hassan Ilyas

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## Address

House # C-13, KAPCO Colony Kot Addu

Distt. Muzaffargarh, Punjab

Pakistan

<b>Objective</b>	Looking for an organization where I can grow professionally and can contribute towards the success of organization.	
<b>Education</b>	<b>Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI)</b> Bachelors of Science in Electronics Engineering <b>CGPA: 3.04/4.00</b>	Topi, PK 2014 – 2018
	<b>Punjab Group of Colleges</b> FSc: Pre Eng <b>Result: 86.5 %</b>	Kot Addu, PK 2012 – 2014
	<b>The City School KAPCO Chapter</b> Matric <b>Result: 94.09 %</b>	Kot Addu, PK 2010 – 2012
<b>Work Experience</b>	<b>Intern, Ibrahim Fibres, FSD</b> Learned about the manufacturing of polyester and power generation through engines, with focus on instrumentation	Summers 2017
	<b>Intern, KAPCO, Kot Addu</b> Grasped various fundamental concepts of power generation through gas and steam turbines and learned about the instruments installed on them	Summers 2016
<b>Final Year Project</b>	<b>A spherical Droid with free moving domed head</b> An independent and controlled movement of sphere in 2D with the help of 3 motors. While the sphere is moving, internal structure of robot remain stable, due to which it provides a freely moving but stable and controlled platform on top of it. Which can be used for various applications.	
<b>Academic Projects</b>	<b>Emergency escape route planning Robot</b> The Robot search all blocks in maze and finds the shortest path from start to end point. Implemented using IR sensors, Gyroscope, motor encoder. <b>Hand Gesture Controlled Robot</b> A robot who replicates the gesture of a hand wirelessly. Implemented using Accelrometer and NRF (TransReceiver) <b>8 bit Computer SAP (Simple As Possible)</b> 16 byte RAM. Can perform Add, Subb, memory transfer, multiplication and division <b>Sociological Analysis of APS attack.</b> A brief report on sociology of APS students before and after attack <b>Obstacle Avoiding Robot</b> Obstacle Avoiding Robot using H-bridges and IR sensors <b>Brain Tumor Extraction in MATLAB</b> Highlight the portion of tumor using high and low pass filters. <b>Line Follower Robot</b> Follows white line on dark surface. Implemented using comparators and LDRs	
<b>Award &amp; Achievements</b>	<ul style="list-style-type: none"> <li>- 2nd best FYP in Open House 2018 GIKI</li> <li>- Event Coordinator for AirEx'17 ,Largest technical event of university, hosted by American Institute of Aeronautics and Astronautics GIK Chapter</li> <li>- Technical Head at Team Technobolt (First official and only Robotics team of GIKI)</li> <li>- Web Developer at GIKI Web team (Official team of GIK to handle GIKI Website)</li> <li>- Member of Squash team of Electronic Engineering Department.</li> <li>- Third position in Tehsil in Matriculation exam</li> </ul>	
<b>Skills</b>	<ul style="list-style-type: none"> <li>- C/C++, Assembly,FPGA Verilog, HTML, CSS, MATLAB, Proteous, MULTISIM, Web Development</li> <li>- Microcontroller Interfacing: Arduino, PIC, 8051</li> <li>- PLC S224XP, Microsoft Office, PCB Designing, Etching</li> <li>- Creo Parametric</li> </ul>	