

# Mati-ur-Rehman

**Mechatronics and Control Engineer**

**Phone:** +92-303-7637183

**Email:** [matiurrehman96@gmail.com](mailto:matiurrehman96@gmail.com)

**Address:** Mohallah Tahli Wala, House# 99/E Gali Bunyaad Khan, Old Railway Road, Pakpattan.

## OBJECTIVE:

To contribute towards the achievement of organizational objective by applying my professional skills and to work in a challenging and stimulating environment with opportunity to use my current experience and to enrich my knowledge and enhance my experience.

## ACADEMICS:

<b>B.Sc. (Mechatronics and Control Engineering):</b> University of Engineering & Technology, Lahore	<b>72.75%</b>	<b>2013-2017</b>
<b>Intermediate:</b> Cambridge College Pakpattan	<b>86.18%</b>	<b>2011-2013</b>
<b>Matriculation:</b> The Oxford Education System Pakpattan	<b>88.85%</b>	<b>2011</b>

## PROFESSIONAL EXPERIENCE:

### ▪ Smart Zone Electronics (Pvt.) Limited, Lahore, Pakistan

Worked as “*Intern*”, June 2016 – July 2016

#### **Responsibilities/Accomplishments:**

Efficiently assisted in completion of work by studying assembly instructions, blueprint specifications, and sub-assemblies, tools and materials. Carefully positioned parts and sub-assemblies by using templates. Skillfully assembled components by examining connections for correct fit, fastening parts and sub-assemblies.

### ▪ Mecatech (Pvt.) Limited, Lahore, Pakistan

Worked as “*Intern*”, July 2015 – August 2015

#### **Responsibilities/Accomplishments:**

Efficiently learnt process of complex machine operations, manufacturing techniques for traditional assembly line systems toward lean manufacturing systems to produce entire products and components.

### ▪ *Additional Experience:*

Worked as *Intern* in TurchMir Engineering Services Company, Lahore, Pakistan from June 2015 to July 2015

## FINAL YEAR PROJECT:

**DESIGN OF STABLE BIPED:** To design an approximate model of BIPED using control and robotic techniques which can walk like normal human being, this model can be further extended to make HUMANOID robot which can perform various daily life tasks.

## SEMESTER PROJECTS:

**WI-FI Controlled Robot:** 6<sup>th</sup> Semester (Speed and Direction of Robot controlled by ESP)

**Linear Variable Differential Transformer:** 5<sup>th</sup> Semester (Calibration of LVDT using Arduino MATLAB interface)

**Password Based Door Lock System:** 4<sup>th</sup> Semester (A prototype of password protected door lock system was made using Arduino)

**Power System Demonstration:** 3<sup>rd</sup> Semester (A complete study unit for power system harnessing and conversion)

**Burglar Alarm:** 2<sup>nd</sup> Semester (An alarm using discrete components was made)

## AWARDS and CO-CURRICULAR ACTIVITIES:

- Received award of Registered Engineer from ‘Pakistan Engineering Council’
- Winner of ‘Roboate (Line follower robotics competition)’, ‘Swift Wiring Clash’ and Runner up in ‘Glider plane design’ in PIEAS event **PION-16**.
- Got Best AMBASSADOR award and won Best Robot Design award in **AIRTECH-16** held in AIR University.
- Participated and Qualified in National Engineering Robotics Contest (NERC) in 2015 and 2016 held in NUST (EME).
- Former *NEWS* correspondent in *XNEWS UET Lahore (Faisalabad campus)*.
- Former Coordinator of *MACS (Mechatronics and Control Society)*.
- Former Coordinator of *SEEE (Society of Electrical and Electronics Engineering)*.