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MUHAMMAD ABUBAKAR MUNIR

OBJECTIVE

To pursue a career in a dynamic and growing institution with a progressive, congenial and learning work environment where I can explore my technical and management skills.

PROFESSIONAL EXPERIENCE

July, 2014 – Till Now International Islamic University, Islamabad (IIUI)
Lecturer

July, 2013 – July, 2014 Swedish College of Engineering & Technology, Taxila
Lecturer

January, 2008 – August, 2009 Wilson's Group of Companies
Assistant Manager Maintenance

- The key responsibility was to maximize production, quick decision at right time minimizing breakdown time and planning and execution the expansion projects.
- Maintenance & Design to changes, make modification, update or install new equipment as required.
- Assistant Incharge of power house
- Installation and commissioning of new machinery.
- Hand on experience on Generators and Compressors.
- Working on different operating Panels, photoelectric sensors, temperature sensors, pressure sensor, proximity sensors, magnetic contactors, overload relays, Inverters, Auto check circuit breakers, electromagnetic relays and motor encoders.

INDUSTRIAL PROJECTS

- Installation and commissioning of Film Coating Machine.
- Installation and commissioning of Automatic Powder Sachet filling and packing machine.

EDUCATION

2010 – 2013 MS Mechanical	EME COLLEGE, RAWALPINDI
2003 – 2007 BE Mechatronics	AIR UNIVERSITY, ISLAMABAD

MS THESIS

- **Navigations of micro air vehicle in static environment**

A collision free path planning is being implemented for micro air vehicle (MAV) in a static environment having multiple obstacles. Static environment means that your target and obstacles which come on your way during navigation are fixed. For this purpose, a hybrid algorithm that combines velocity obstacle (VO) method and depth first search (DFS) had been proposed that gave us the better solution. This algorithm has been tested for different scenarios having different sets of obstacles which prove the effectiveness of our algorithm. Case Tools: MatLab, Microsoft Office.

FINAL YEAR PROJECT (BACHELORS)

- **PLC controlled Mechanical Actuation System**

Designing and fabrication of an actuation system which includes a robotic arm a conveyor belt and a lift system. The goal was to move objects from one place to other without human interference with the help of sensors, actuators and PLC. The inputs have been taken by PLC from sensors in order to control actuators (DC Motors) and whole mechanism. It has wide range of applications in Industries, Airports and Construction sites. Case Tools: Ladder Logic, Microsoft Office

SKILLS

- **Languages:** C, C++, Assembly Language, Ladder Logic in PLC
- **Tools:** SolidWorks, Pro-Engineering, MatLab, MS Office.

INTERESTS AND ACTIVITIES

Engineering works, Sports, Information Technology and Current Affairs.