





MUHAMMAD HARAM ZULFI

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CAREER OBJECTIVE

Seeking a position that will take advantage of my education, experience and interpersonal skills as well as offer me opportunity to increase levels of responsibility and professional growth.

WORK HISTORY

CURRENTLY WORKING AS A TRAINEE ENGINEER AT POPULAR GROUP OF INDUSTRIES:

POPULAR FABRICS LIMITED:-

- Serve in Printing, Finishing, back process department.
- Utilities (Boilers, Power generators, R.O plant).
- Production (Digital Printing, Flat bed printing, Rotary printing, etc) .
- Maintenance (Thermasole dyeing machine, Stenter machine, arolly machine, Salvade machine, Pad steam machine, Benninger bleaching machine, Mercerizing machine, Goller bleaching machine, Desizing machine, Benninger washing, Sanforizing machine, Calender machine, Emerizing machine).

RAZA ENGINEERING- PROJECT ENGINEER AT AGHA KHAN HOSPITAL AND UNIVERSITY EMERGENCY DEPARTMENT:-

- Installation of 2900 sq.ft ducting with board insulation including cladding.
- As it is a return air duct of emergency department we have to ensure that it should be safe and environmental friendly so major equipment were:
 1. Cooling coil unit (CCU) to coil and maintain the steady temperature of return air.
 2. fan unit which is mounted with blowers.
 3. Condenser.
 4. Heepa filters for filtration.
 5. UVA lights to kill bacteria.

6. Non return damper (NRD).

RAZA ENGINEERING- SITE ENGINEER AT AGHA KHAN HOSPITAL AND UNIVERSITY- FROM 1ST JANUARY 2021 TILL 31ST MAY 2021.

- Project management.
- Project supervision.
- Basic engineering design and calculations.
- Provide site supervision for installation of HVAC and fire fighting systems.
- Ensure safe working practices are implemented at site.
- Monitor project progress as per agreed project schedule and approved cost.
- Resolve engineering design related issues on-site in coordination with design team,vendors and client.

PROJECT :- Installation of HVAC and fire fighting system at agha khan university and hospital,Karachi comprising of:-

- 12,000 sq.ft rectangular ducts on 8th floor with glass wool insulation.
- 13,500 sq.ft rectangular ducts on 9th floor with glass wool insulation.
- 14,000 sq.ft rectangular ducts on 10th floor with glass wool insulation.
- 2 AHU of 20 and 30 ton respectively on each floor.
- Drafting and Designing of Ducts route, sizes, Fire fighting pipe lines.
- Round and square diffusers,grills,plenums,access points,butterfly dampers of 6” and 8” dia, flexibles, VAV’s ,CAV’s ,FD and VCD,s
- 550 rft Seamless MS piping for fire fighting system
- Upright and pendent sprinklers, smoke detectors, fire hose cabinets,butterfly valves and supervisory switch,gate valves ,FHC pipe , fire extinguishers.
- UPVC piping for drainage, PPR piping for fresh drinking water and PVC class D pipe for rainwater drain.
- Execution of Plumbing works.

ACADEMIC QUALIFICATION

PROGRAM	INSTITUTE	YEAR OF PASSING & GRADES
BE (MECHANICAL ENGINEERING)	NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY	2016 – 2020 Graduated with 1 st Division
INTERMEDIATE	GOVT. DEGREE COLLEGE GULSHAN-E-IQBAL	2016 with A+ Grade

MATRICULATION	ST.PAULS ENGLISH HIGH SCHOOL	2014 with A Grade
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SKILLS

SEMINARS/CONFERENCES
<ul style="list-style-type: none"> • Member of Organizing Teams for Seminar of Dr. John Zhai (Ventilation), Victor Goldsmith (HVAC), Samad Abbas (Training Session), Youth of Ummah (Fire Safety Training Session) • Member of Organizing Team of Industrial Automation and Robotics by Mind storm Engineering, TEDx NEDUET, IOT (Internet of Things) • Member of Organizing Team of Mechanical Engineering Conference by IEP
EVENTS
<ul style="list-style-type: none"> • Organizing Member of RC Car Competition, Propellair, Technical Poster Competition, Technical Quiz Competition • Organizing Member of Built from Scrap Competition, Ship Building Competition, Sports fiesta, Bottle Rocket Competition, Catapult Wars, Chase the Case
SOFTWARES
<ul style="list-style-type: none"> • Hands on Experience of Minitab, MATLAB, Solid Works, Creo Paramatics, Proteus, ANSYS CFD, Autocad and PLC Delta software
ABILITIES
<ul style="list-style-type: none"> • Extremely organized, Fast learner, Passionate about work • Self-motivated, Research worker, Motivational speaker, Public Speaker • Have good command in MS-Office

PROJECT AND ACHIEVEMENTS

- Engine Head 2020, NED Formula Racing NFR'73
- RC Car Demonstration and fabrication (Technical head of RC Car Brainiac 2019 by ASME)
- Represented NEDUET at Human powered vehicle competition (HPVC). 'Best Captain Award' at "HITEC University Taxila" and "UET Lahore"
- 'Brand Ambassador' of Robo Fiesta (International Event), HITEC Taxila
- Official Team Partner at NFR (NED Formula Racing Car) Mechanical Department (Engine Team 2018-19)
- Certification of Brand Ambassador at "HITEC University Taxila"
- Participant at Bio-Gas and Bio-Energy Conference by PSO at NEDUET 2019
- Online Aircraft Design Course by Rushi Vyas
- 'Token of Appreciation' from ASME on representing 'ASME NEDUET' on HPV Competition at "UET Lahore" and "HITEC Taxila"
- Certification of Arduino (Robotics)
- Director Karachi Smile Angels Blood Bank and NGO

FINAL YEAR PROJECT

Design and Fabrication of 'Surveillance Drone'

EXPERIENCE

INTERNSHIPS

- Internee at Turbo Machinery Services (Piping System, Engines, Balancing Machine, Lathe Machine, Thermal Coating, Winding)
- Internee at Civil Aviation Authority (Passenger Carrying System, Fire Fighting System & Water Works, HVAC)

INDUSTRIAL VISITS

- Avitronics (Chemical Treatment Plants)
- Artistic Mill (Yarn and Denim Manufacturing)
- South Asia Pakistan Terminal (Sea to Shore Machine, RTGs, 30-120 MW Engines)
- Novatech (Polymerization, Esterification, Cooling Tower, Piping System)
- Artistic Mills (Denim Jeans Development, Humidifier Machinery)

INTEREST AND HOBBIES

- Manufacturing and Study of Aviation, Cars, Engines, Fitness, Research
- Subjective Interest in Power Plant, Power Generation, Internal Combustion Engine
- Cricket ,Football, Badminton, Table Tennis, Swimming, Boxing, Singer, Guitarist

MEMBERSHIPS

- Member of ASME (American Society of Mechanical Engineer) NEDUET, Head Protocol at ASME
- Member of ASHRAE NEDUET
- Member, Head Promotion TEDX NEDUET
- Member of IEP (Institute of Engineering Pakistan)
- Member of FLF (Future Leaders Forum)