



Contact me

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Present Address : House Number D-9,

Gate No. 6, SPL Housing Colony,

District Malir, Karachi, Pakistan.



Education

MS (Mechanical Engineering), Harbin Institute of Technology, Harbin China

Status: **Completed July, 2018 88.7%**

BE (Mechanical Engineering), Quaid-e-Awam University, Pakistan

Status: **Completed Dec, 2014 80.65%**



skills

- CFD COMSOL *Multiphysics*
- Hydraulic Measurements
- AMESim Works
- Mechanical Vibrations
- CAD AutoCAD, CAXA & SolidWorks
- Fluid Dynamics & FSI
- Production Analysis
- Witness Lanner Group
- PLC Logics
- Arduino Language
- MS Office



Hobbies



Travelling



Swimming



Singing

S. MUBASHIR MEHDI



Major project

- Study on Simulation of Hydraulic System and Measuring Process of Servo-Valve Overlap.(2018)
- Layout Design For Two Gas Meters At One Assembly line.(2015)
- Design, Fabrication and Testing of Objects (Color And Size) Sorting Machine.(2014)



Work Experiences

- **RESEARCH SCHOLAR at Process Automation and Inspection Laboratory Harbin Institute Of Technology, Harbin China.**
(2016.09~2018.07)
 - Characteristics analysis on spool valve pair.
 - Mechanical modeling of Spool Valve Test Bench.
 - Research on Dynamic response of heave motion in Spool valve.
 - Simulation of hydraulic system of test bench on AMESim Simulation.
- **TRAINEE ENGINEER at Amreli Steels (Steel Melting Plant), Pakistan.**
(2016.03~2016.09)
 - To learn about the mechanical maintenance activity in plant.
 - To assist Assistant Engineer in overall plant operation.
 - To learn Continuous Casting activities.
- **ENGINEER at Creative Electronics, Pakistan.**
(2014.12~2016.03)
 - Selection of PLC and Solar panel designing.
 - Lux calculation and light designing.
 - Conduct monthly visit of client companies.
 - Providing technical presentation of products to clients.
 - Providing after sales and services.



Major Internships

- **USAID Energy Internship Program for Graduate Engineers 2015**
(Sui Southern Gas Company Pakistan) (2015.06~2015.12)
- Millat Tractors PVT LTD (2016.03~2016.08)
- Pakistan Machine Tool Factory (2016.01~2016.03)



International Publication

- **Experimental and Computational Study of Optically-Driven Electrothermal Vortex (Progress in CFD 2018)**



Certificates

- Attended "Industrial Robotics Workshop" in HIT.
- Info Secretary in ASHRAE QUEST STUDENT BRANCH.
- Attended "Renewable Energy Technologies (Solar Energy)"
- Attended "Industrial Hazards and Safety" by ASME QUEST at QUEST.
- One Belt One Road Performer Hand in Hand Gala, HIT 2016-2018.