



Ali Faraz

To work for a progressive organization in a highly motivating and challenging environment that provides the best opportunities to grow and utilize my potential to the fullest to achieve the organization's goal while achieving my personal goals.

CONTACT



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P#225, st#4, Block_A, Neigahbaanpura, Faisalabad. (permanent)



House#661, Street1, DOHS1, Malir Cantt, Karachi. (Temporary)



EDUCATION

GIK Institute

August 2012 – May 2016

Academic Projects

Bachelor of Engineering in Mechanical

- Major: Core Mechanical Courses
- Minor: Humanities
- Overall GPA: 3.22/4.0
- Design and fabrication of Tad-Pole Trike (FYP).
- Design and fabrication of mini cooling tower.
- Walking Robot.
- Thermoelectric fan and usb mobile charger from a candle.
- Optimization of different cross sections for bearing torsional stress.



EXPERIENCE

Employment



Dawlace (Pvt) Ltd(ARCELIK A.S.) – Process Engineer (Since June, 2016) Karachi

Job Description

Working as a Process Engineer in Plant Engineering Department at Refrigerator Plant in Karachi with below responsibilities;

- Responsible for making MQRF's for new plastic parts.
- Responsible for all DFM's of new and replica plastic injection molds.
- Responsible for inspection of molds at T1 at supplier end and after that their trials and proper handing over to production for serial production.
- Responsible for timely replacing of existing design plastic molds with new one.
- Design, run, test and upgrade systems and processes.
- Perform process simulations and Manage cost and time constraints.
- Provide process documentation and operating instructions.
- Liaise with suppliers on manufacturing process.
- Identify ways to reduce production costs through new technologies.
- Improve existing operation, for increased quality, productivity & efficiency.

Industrial Projects & Expertise

- *Plastic expert: Injection molds, Extrusion Dies.*
- *Packing improvements: New EPS molds*
- R600a transition, Sandwich Foaming transition & New Outlook Projects.
- *Commissioning of "Controlled Environment Testing Labs".*
- *Cost saving by converting all cold runner molds to hot runner and valve gates.*
- *Thermo-regulators installation on all molding machines to reduce cycle time.*
- *Installation of Fire safety sprinkling system at EPS Plant.*
- *Introduction of hot & pad stamping machine for quality printing.*
- *Zero Defects at Vacuuming, Gas Charging and Function Line.*
- *Commissioning of new infrared Gasket welding machines.*
- *Worked with Chinese & Turkish team for mold trials in CHINA more than twice.*

Internships



MOL – Internee

There I learnt about oil extraction and processing. I assisted senior engineers in piping of well Heads using AutoCAD layouts to achieve the required target within time. I have experience of onshore Oil field in remote area.



Kohat Cement Company Ltd. – Internee

There I learnt about the process of a cement plant. Maintenance activity that was included on Cement Plant. My project was to calculate efficiency of Waste Heat Recovery Power Plant. Which included four waste heat recovery and one coal fired Boiler with a 16 MW steam turbine. Completed my project in due time with the help of my team members.



Zealcon Engineering Pvt. Ltd. – Internee

I was the team member of a project organization that was working on erection of Chinese based Waste Heat Recovery Power Plant (WHRPP) at a cement plant. I learnt about fabrication using drawings, labor management, achieving team goal at organization level through your team of engineers and local labor.



Ibrahim Fibers – Internee

There I learnt about Maintenance types specially Preventive Maintenance of Polyester Plant and Power generation Plant that includes Engines running on HFO and Gas Turbines. I also learnt about different type of pumps, valves, cooling towers, chillers, boilers and water treatment units.



EXTRA-CURRICULAR

Extra-Courses

Reverse Engineering Course (KTDMC)

I have taken a course on Reverse Engineering in which I learnt about generating 3-D Models of different parts by scanning them and creating their CNC codes for machines to produce them using different software like Rapidform.

Environmental Health and Safety

I have taken a short course related to Risk and Hazards in industry. I learnt about different Risk Assessment and hazard Identification techniques.

Communication Skills Training (YDC)

I have taken a Four day training session held at Youth Development Center, Punjab House. That training included different sessions to improve communication skills and how to put a positive impact on society.

Advance Excel Training

Excel training that was based on following concepts:

- Smart reporting, Useful excel shortcuts, Power Pivot analysis, Advance Formulas, Predictive Analysis, Data Manipulation, Data Security.

Selected Accomplishments

Vice President of Giki Mathematics Society

Arranged All Pakistan Mathematics Olympiad 14, 15.

Director Promotions of IMECHE (Giki Chapter)

Scholarship Holder of PEEF for Graduation.
Best Internee at Zealcon Engineering Pvt Ltd for 2015.



REFEREES

References available
upon request



LANGUAGES

Urdu

English

Punjabi



SOFTWARE

Creo 3.0

Solid Works

ANSYS

Rapid Form

Oracle

Excel