

Ahmed Osama

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OBJECTIVE

- Highly-motivated individual with 5 months of experience in **Production Planning and Leadership**. Looking for a responsible position as an engineer to utilize my skills in a dynamic working environment.
- My departments of interest are **Operations-Production, Process, Supply Chain Management and HSE**.

WORK EXPERIENCE

TUP- Production Planning Engineer

Dec 17- May 18

Responsibilities

- **Manufacturing Resource Planning**.
- Coordinating production workflow for one or multiple products.
- Planning and prioritizing operations to ensure maximum performance and minimum delay.
- Determining manpower, equipment and raw materials needed to cover production demand.



INTERNSHIPS

1. Ibrahim Fibres Limited

June 16 - July 16

- Enhanced Technical knowledge of **Utility section, Reactors and other Unit Operations**.
- Observed day to day Operation of Production Unit.
- Learned the Quality Control methods in Testing Labs
- Performed **H&M Balance** across CSTR-1 at UNIT 1.



2. Fauji Fertilizer Company

July 16 - September 16

- Brief description of Plant Operations in **Ammonia and Urea Section**
- Oversee the day to day operation of processing plant
- Monitored Production and deal with problems
- Worked closely with **Quality control and HSE**



PROFESSIONAL ACHIEVEMENTS

- Supervised three departments and decreased the **Rejection Percentage** of Finished Goods
- Improved Problem solving And Organizational skills.
- Able to control the manpower. Lead more than 100 workers and 10 Operators successfully.
- Improved Communication Abilities.
- Elevated the **Production Rate** and ensured **Quality Production**



PERSONAL PROJECTS

1. FINAL YEAR PROJECT

Simulation of Carbonating Tower Unit Operation with a purpose to optimize operating regime for better yield or efficiency improvement.

ICI Soda Ash-Khewra

- Manual Calculation and verified Results through simulation on **Aspen Hysys (v8.8)** and Aspen Plus on **Carbonating tower**.
- Defined Hypothetical Component of Sodium Bicarbonate on **Aspen plus**.
- Mass and Energy Balance on Unit Operation Carbonating Tower
- Developed Simulations on Aspen Plus and performed **Dynamic mode Economic Analysis**.
- Designed of Carbonating Tower.
- Economic Evaluation of replacement of water with ammonia.
- Node to node **HAZOP** Study and Environment Analysis.
- Prepared process flow diagram of the Solvay process on **Microsoft Visio 2010**.



2. Designing of Heat Exchanger at Plant-1

Ibrahim Fibres-Faisalabad

- **H&M Balance** across the Heat Exchanger.
- Calculated the physical parameters related to heat transfer and verified the results using **Aspen Hysys (Hypothetical Component)**.



3. Documentary on Major causes of road accidents

End Semester Project

- Interviews with the affecters and **Civil Defense Officers**
- Analyzed the major causes of accidents in cities.

EDUCATION

BE Chemical Engineering

Sep 2013- June 2017

School of Chemical and Materials Engineering(SCME)
National University of Sciences and Technology (NUST), Islamabad

EXTRA COURSES

- | | | | |
|-----------------------|-------------------------|-------------------------|-----------------------------------|
| ▪ Polymer Engineering | ▪ Reservoir Engineering | ▪ Petroleum Engineering | ▪ Operations & Project Management |
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ACCREDITATION

- Pakistan Engineering Council - Registration # 16039
- Washington Accord.
- IOSH Managing Safely UK

AWARDS AND HONORS

- Award of honor in **Dean List Spring 2016**.
- **Marketing Director** in NUST Debating Society.
- Co-Event head in **IGNITE 3.0 & 4.0** in NUST Debating Society.

TECHNICAL SKILLS

Chemical Industry Tools

- ASPEN PLUS V8.8
- ASPEN HYSYS V8.8

Computer Skills

- SAP B1 (Mod. Production)
- C++

Other Tools

- MATLAB
- VISUAL STUDIO
- AUTOCAD 2D-3D
- MS OFFICE & MS VISIO

TRAININGS

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| • IOSH Managing Safely | World Institute of Safety and Health, IOSH UK |
| • Community Services & First Aid Training | NUST Community Services Program |
| • TEC Foundation Microsoft Certification | Microsoft |

REFERENCES

- Mohammad Amjad
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