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MUHAMMAD AMEER HAMZA



Professional Objective

To establish myself and as an able and competent process engineer in a renowned organization in the Petrochemical sector.

Internship

Attock Cement Pakistan Limited
Production Department
June 2016



- Working as an intern at ACPL help me to learn proper guidelines used for the production of Portland and sulphate resistant cements. Learning how material is blasted from the huge mountains and then crushed through various heavy duty machines.
- Composition of Portland and Sulphate resistant cement.
- ACPL help me to learn more about the Kilns as they are considered as heart of the cement plants. Kiln's interior and exterior play a very important role. In addition, studying about refractories, choice of materials helps me broaden my perspective of material sciences.
- Get information about various pump and compressors used for handling slurries and hot gases.

Education

- NED University of Engineering and Technology
B.E. Chemical Engineering
Batch: 2013-2014
CGPA:3.07
Affiliation: Pakistan Engineering Council (PEC)
- Higher Secondary School Certificate
Adamjee Government Science College
Duration: 2011-2013
Secured: 83.27%
- Secondary School Certificate
Public School and College
Duration: 2009-2011
Secured: 87%

Courses

- Fluid Mechanics
- Thermodynamics
- Chemical Reaction Engineering
- Heat and Mass transfer
- Gas Engg. and Petroleum Refinery

Projects

- Laminar water jet at high Reynold number, a Fluid Mechanics project
June-November 2015
- Manufacture of Ammonia through steam reforming (Aspen Hysy simulation), an Engro Fertilizer project
January-September 2017

Seminars

- Importance of API in Chemical Engineering
- Occupational Safety and Health Management

Software

- Aspen HYSYS and Aspen Plus
- Matlab
- Microsoft Office
- Microsoft visio
- Korf Hydraulics
- Polymath 5.1
- GAMS®

Skills

- Teaching skills, have conducted individual tuitions and often engage in group study for the university courses and for final year project,
- Time management, emphasize on completing the assigned tasks before the given deadline, practice of preparing strict schedules and following them,
- Adaptable, adjust quickly to the environment and with people of different nature and caliber.

Co-curriculum Involvements

- Active member of North Karachi Gym Khana.

Leisure interest

- Reading books and newspaper.
- Watching sports