

# Muhammad Rauf Maqsood



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## Education

2017	B.Sc. Chemical Engineering	<b>3.68 CGPA</b>	Institute of Chemical Engineering & Technology (I.C.E.T.), University of the Punjab, Lahore
2013	F.Sc. Pre-Engineering	<b>85.90 %</b>	Govt Islamia College Civil Lines, Lahore
2010	S.S.C. Science Group	<b>85.71 %</b>	Jinnah Grammar School, Lahore

## Experience

### AMAL ACADEMY (Project of Stanford University)

Career-Prep Fellow: (March 2017 – June 2017)

- **skills development:** Investing 150 hours in order to develop business skills (e.g., communication, leadership, problem solving, teamwork, etc.) that will help me make a deeper impact on the job

### ITTEHAD CHEMICALS LIMITED

Intern: (August 2016 – September 2016)

- **Investigated:** The production of Caustic soda, HCL, Sodium hypochlorite
- **Skill development:** Basics of chemical production, Concepts of thermodynamics, heat transfer and their applications.

## Academic Activities

### Final Year Project

Production of syngas from 8333.33 kg/hr of coal Gasification

Team Lead: June 2017– November 2017

- **Leadership:** Led group to perform the series of experiments for obtaining data to study the Gasification
- **Skill Development:** Learned how to Design a Plant equipment's

### Process Report

Simulation of Sweetening of Natural Gas

Team Lead: June 2016 – December 2016

- **Leadership:** Led group to perform the series of experiments for obtaining data to study the sweetening and then drawing the results.
- **Skill Development:** Learned how to simulate a process on **ASPEN HYSYS**

### Volunteer Project

Prepared a MATLAB Program on Purification of Hydrogen from Natural Gas

- **Skill Development:** Learned how to apply Material and Energy Balance on **MATLAB**

## Membership

- Member of the **American Institute of Chemical Engineers (AIChE) (Membership # 9901243949)**
- Member of the **American Society of safety Engineers (ASSE) (Membership # 010072556)**
- Member of the **Society of Petroleum Engineering (SPE)(Membership # 4594676)**

## Participation

- Student Ambassador at **Amal Academy**
- Social work project with **SOS Village (NGO for orphans)** Teamwork, Financial planning and budgeting, Collected donations and brought food and gifts for them.
- Active member of the Management Committee for **International Conference on Engineering Sciences 2017, 2016, 2015** organized under the Faculty of Engineering and Technology, University of the Punjab, Lahore
- Coordinator for the **Sports Gala 2016,2015** of the I.C.E.T., University of the Punjab, Lahore
- Participated in seminar on **Occupational Health, Safety and Environment** held at Institute of Chemical Engineering and Technology, University of the Punjab, Lahore.(CPD POINT-1)
- Participated in seminar on **Effective Presentation Skills** held at Institute of Chemical Engineering and Technology, University of the Punjab, Lahore.

## Additional

**Software Skills:** MS Office, MS Visio, Auto CAD, MATLAB, Edraw Max, Wonder Share, Aspen Hysys

**Inter Personal Skills:** Excellent presentation and communication skills, Teamwork, punctuality, adaptable behavior, Leadership

**Interests:** Motivational Speeches, Blogging, Social networking, Chess, Badminton, Movies