

# ABDULLAH RIAZ

A highly-motivated individual, who wants to make a mark in a dynamic and ever evolving company, a NUST Graduate, seeking an entry-level mechanical engineering position

## BIO

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## EDUCATION

**NUST-PNEC, Bachelors of Engineering** **2014 - 2018**  
Mechanical Engineering Department CGPA: 3.74 / 4.00

Subjects: Mechanics of Materials, Turbo Machinery, Fluid Mechanics, Heat and Mass Transfer, Thermodynamics, Project Management, Industrial Maintenance.

**Bahria College Karsaz, Karachi— HSSC** **2010 - 2014**

Intermediate: 78.5 % Pre-Engineering  
Matriculation: 90.7 % Computer Science

## INTERNSHIPS

**HINOPAK, Karachi— Intern** **June 2016 - July 2016**  
BOM verification and Identification of Surplus Items  
Initiating "Surplus Reporting Box" system  
Working on "Lean management" and 'Kaizen' techniques

**LUCKY CEMENT LIMITED, Karachi— Intern** **June 2017 - July 2017**  
Project involving, erection of new production line  
Maintenance procedures of production lines  
Familiarization of SAP applications

**AQUAGEN Karsaz, Karachi— Intern** **July 2017 - August 2017**  
Carrying out periodic maintenance of the GE engines  
Troubleshooting for functional failures during break-downs  
Monitoring and recording engine performance parameters

## PROJECTS

**Waste to Energy Power Plant Design and Fabrication**  
Collection, Sampling and Analysis of Municipal Solid Waste  
Assessment of samples for use as fuel in MSW power plant  
Designing of an MSW plant and its fabrication  
Feasibility study for an actual MSW power Plant  
Paper Publications and conferences

**NOWPDP: Wheel chair Challenge**  
Budgeting of the wheelchair under 10,000 Rs.  
Research on requirements and problems faced by a user  
3D modeling and analysis of design  
Orthographic mapping and Report writing

## SKILLS

Problem Solving  
Willing to Take on New Challenges  
Innovative and Improving  
Capability to use Multiple Software

## AWARDS

**STUDENT CHAIR ASME** Student Chapter Presided over a body of 25 capable students, arranging a wide variety of seminars and competitions.

**Certificate of Merit NUST** Presented with a certificate of Merit for achieving a perfect 4.00 GPA in first semester

**IMECHE SOFE Competition:** Winning on campus leading to Regional Competition stage

A valuable member of multiple UNIVERSITY SOCIETIES including **ASME, PNEC-AIR, SOL, MUNINP**

**TRG Talent Hunt:** Selected among the top ten candidates for TRGs Talent program

## RESEARCH PAPERS

Paper titled "**Energy Potential from Municipal Solid Waste in Urban Pakistan**" accepted and presented at IMEC-2018 conference, Pakistan.

Paper titled "**Municipal Solid Waste based Multi-generation system for different districts of Karachi**" accepted at GCW-2018 conference, Turkey.