

# Abdul Ghaffar

Email ID: abdulghaffar012@gmail.com

## EDUCATION

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- **ME Mechanical Engineering | Sep 2014- June 2017 | NED University of Engineering and Technology, Karachi, Pakistan.**
- **B.E Mechanical Engineering | Nov 2010- June 2014 | NED University of Engineering and Technology, Karachi, Pakistan.**

## PROFESSIONAL ABRIDGMENT

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### LECTURER | MECHANICAL ENG. DEPT. |NED UNIVERSITY, KARACHI | JAN-2018-PRESENT

- Course work: Compressible flow and propulsion system, Renewable energy systems, Gas turbines, Vehicle thermal management.
- Class advisor: Final Year

#### Projects Supervised

- Heat transfer analysis of Vehicle thermal load reduction methods.
- Drag and Moment force analysis of modern horizontal wind turbine blades.
- IV characteristics curve of photovoltaic cells using single walled carbon nanotubes.
- Thermal analysis of Photovoltaic solar cells using different chiralties.
- Design of porous carbon cathode with selective coatings for lithium oxygen battery using chemical analysis.

#### Final year Advisor

- Help students to define and develop realistic educational plans so that each student should have an academic schedule plan through to graduation.
- Assist students through proper guidance to plan program with their abilities and interests.
- Proactively contact and be available for student advisees on regular basis.
- Consult regularly with colleague faculty in order to have up to date information.
- Discuss and reinforce linkages and relationship between instructional program and career.

#### Indus University

Lecturer, Mechanical Eng. Dept., Jan 2017- Dec 2017

Karachi,Pakistan

#### Allied Engineering & Services

Trainee Service Engineering:Jun 2015 - Dec 2016

- Maintenance Dept.

Karachi,Pakistan

#### Karachi Electric

Sole electricity provider to Karachi

Intern: May 2012 - June 2012

- Executed: Industry research and provided feedback on operations.
- Established: a good knowledge of non-destructivetesting.

Karachi,Pakistan

## Hino-Pak Limited

Karachi, Pakistan

Assembles and manufactures vehicles (For Pak Army and others)

*Intern: March 2013 – April 2013*

- *Generated: report on the processes being held in company*
- *Evaluated: Inventory management.*
- *Examined: FIFO system to improve the inventory system by critical analysis thus increasing the frequency by 10%*

## Honors and Awards

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- Received merit-based Prime Minister Laptop Award from HEC (2016)
- Received full merit Scholarship to cover SSC education free of Cost at PAK-TURK school

## LANGUAGES

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- English, Urdu, Sindhi

## Software's and skills

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- *Skills* : Fluent in design and analysis software's (ANSYS, SOLIDWORKS, AutoCAD), teamwork, communication, multi-tasking, creativity, leadership.
- *Certifications* : PIM (Pakistan Institute of Management), PEC.
- *Interests* : Sports, Reading, Innovations.