

ASAD A UL HAQ

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ACADEMIC EXPERIENCE

- **PhD Mechanical Engineering '12-Present**

The University of Texas at Austin

Cockrell School of Engineering

Mechanical Engineering Department – Dynamic Systems and Control Group

- **BEng (Honors) Mechanical Engineering with Management '06-'09**

First Class with Honors

The University of Manchester

School of Mechanical, Aerospace and Civil Engineering (MACE)

- **Research Assistant Fall 2013**

The University of Texas at Austin

Model Predictive Control and closed loop stability consideration for nonlinear plants

- **Research Assistant Summer 2013**

The University of Texas at Austin

Precedent-free Fault Localization and Diagnosis for High Speed Train Drive Systems

- **Teaching Assistant Fall 2012, Spring 2014, Summer 2014**

The University of Texas at Austin

Mechatronics Laboratory

PROFESSIONAL EXPERIENCE

- **Mechanical Maintenance Engineer**

Groupe Office Chérifiens des Phosphates – El Jadida, Morocco

01/01/2010 to 30/06/2012

Responsibilities:

Management of Spare Parts, introduction and management of CMMS, planning of shutdowns, planning of preventive maintenance, management of maintenance backlog, definition and analysis of performance indicators, and participation in technical analysis of maintenance issues on site.

Major Projects Undertaken:

- Creation of MS Access-based CMMS to assist the transition to an Oracle-based complete CMMS.
- Setup of the Oracle based CMMS in the maintenance department; including proposal of resources required, responsibilities of personnel and preparation of data.
- Creation and implementation of a preventive maintenance plan, based on a study of equipment criticality.
- Creation of an exhaustive database of all mechanical spare parts.
- Study of tube failures in the principal heat exchanger of the power plant.

- **Assistant Teacher**

The City School – Islamabad, Pakistan

01/09/2005 to 01/06/2006

Responsibilities:

Help students prepare for A-level examinations. To help below average students achieve the standards required by the school.

ACADEMIC AWARDS

- **Ashbury Scholarship Prize** – highest overall marks in the 1st year of the Undergraduate degree (BEng Mechanical Engineering).
- **Fairbairn Engineering Prize** – highest overall marks in the graduating batch (BEng Mechanical Engineering).
- Highest overall marks in the final year of the Undergraduate degree (BEng Mechanical Engineering).