**RAHMAN**

**Email ID**: rahman.381602@2freemail.com

**EDUCATION:**

**B. Tech. Mechanical Engineering** in Manipal Academy of Higher Education (MAHE), Dubai.

Expected Graduation Date: September 2018

**OBJECTIVE:**

**­­­­­­­­­­**To gain knowledgeable working experience while contributing to the firm by meeting the demands of the organization and take up challenges by securing a responsible position which will broaden my skillset and provide exposure to the current market that will help me find myself.

**WORK EXPERIENCE:**

**Design Centre (Internship- 1 Month)**

* An Engineering and Architectural Consultancy Firm where I was tasked with assisting in research of various topics like Chillers, Ventilation, etc.
* Also had the opportunity to assist our technical team to ongoing sites, where I studied how the process of ventilation in hotels is realized.

**Al Ghandi Auto services (Internship – 1 month):**

* Part of the Vehicle maintenance team. Initially tasked with just observing the technicians. Obtained a deeper understanding on the working of each system like Engine Block, Suspensions, Transmissions, Exhaust, etc.
* Soon, however, I found myself assisting the technicians in various aspect of servicing the vehicles, like changing oil, wheel balancing, wheel rotation, brake disc skimming, etc.

**Freelance Research Assistant (11 Months)**

* Web research on various topics handed by employer and compiling them in an easy to read format.
* I also had the opportunity to form citations for all the data used in the articles.

**Vice President – ASHRAE Student Branch, MAHE Dubai (1 Year)**

* OrganizedCompetitions, Events and Seminars within University
* Attended Seminars as member of ASHRAE (American Society of Heating, Refrigeration and Air-conditioning Engineers) which inspired me towards my interest in Infrastructure Development

**Vice President – Conservation Club, MAHE Dubai (2 Years)**

* Became a member of the *Sustainable Campus Initiative*byThe Environment Agency-Abu Dhabi, which influenced a lot of the actions the Conservation Club took.
* Conducted Audits and Events to promote and execute sustainable and eco-friendly action.

**Surge, World Water Day**

Volunteered for World Water Day (May 22) for the year 2017 and 2018

* 2017- Coordinated activities targeted at children but also raised awareness amongst adults about saving water.
* 2018- Organized an awareness event ‘Walk for Water’ in University

**Ramadan Campaign**

* Organized iftar targeted for people working during iftar hours on 3 days during Ramadan.

**PROJECTS:**

**Solar Car**

* As part of the Design team, I designed the frame for the Solar-powered car, using SolidWorks.
* Used ANSYS Workbench to conduct crash tests and weight analysis on the frame.
* An inauguration ceremony was held for this project during Technovanza 2018, where it was exhibited and also won second place for best project displayed.

**Dual Axis Solar Tracker**

* Created a device that incites solar panels to face the sun throughout the day for maximum efficiency, usingArduino Uno programming*,* Light-Detecting Resistors (LDR) and Servo Motors.
* The project was displayed in various platforms, like DEWA ‘Sustainability & Art Festival Campaign’, WETEX, and a Technovanza event ‘Energiomex’.

**Mechanical Energy developed using cycling equipment**

* Developed a device that converted peddling energy into rotatory energy which can be used for various activities by employing mechanisms dependent on the requirement.
* The project was displayed in a Technovanza event ‘Energiomex’ and won Third place.

**Solar Water Cooler**

* Developed a water cooler powered by Solar Energyto obtain a more sustainable option for cooling water, primarily intended for people who work outdoors in hot climates.
* The Project was displayed for the SAE Competition, ‘Thermomex’ 2017

**Model of Shaper Machine**

* Constructed a wooden model of a shaper machine showcasing the quick return mechanism, as an assignment for Manufacturing Technology Course. The power drive was a rotating handwheel.
* This project is currently being used in the university to teach students how a shaper machine employs quick-return mechanism. It was exhibited and won second place in ‘AEIT’ exhibition event.

**OTHER ACHIEVEMENTS:**

BestPaper Presentation in MSRC-2018 (Manipal Sikkim Research Colloquium - 2018)

Recognized for *Sustainability Action Projects* and *Green Campus Audits* as part of ‘Sustainable Campus Initiative’

Participated in-*Best out of Waste* competition 2015;

*Automobile* Mini-project competition for ‘AEIT’ 2016;

*Sustainability & Art Festival Campaign* by ‘DEWA’

RepresentedUAE in *GPCA-Leaders of the Tomorrow, 2017*.

Represented University in *WETEX, 2017*

**SKILLS:**

**CAD/CAM/CFD**

Proficient in SolidWorks, ANSYS, Creo Elements/Pro 5.0 and AutoCAD

Proficient in MS Office packages, completed a course on social media marketing

Experienced in Grinding, Milling, Welding, Shaping, Lathe.

**IT**

**Workshop**

**HOBBIES AND INTEREST:**

**Sustainability**

Involved in Conservation Club, ASHRAE and various sustainable projects

Observing body language and reading about psychology related articles and books

Currently white belt Karate Student

**Psychology**

**Karate**