Muhammad Haris Mahmood

BE (Mechanical) NUST , CE&ME

Engineer with good technical, managerial and problem solving skills looking to work for a dynamic and progressive organisation.

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WORK EXPERIENCE

Mechanical Design Engineer
Blitzkrieg Defense Solutions

09/2017 – 05/2018

- Project manager for 'production planning and engineering' for 3rd party production of Mohafiz 4x4 Armored vehicle.
- Generated BOQs, manufacturing drawings, weld maps, Welding Procedure Specifications for client.
- Designed shop floor layout for series production, allocated manpower and tools to different workbays manufacturing different sub assembly groups
- Conducted pilot production at client's facility to validate Master production plan.
- Managed project team and liasoned with clients and suppliers for successful delivery of project.

Jr. Mechanical Engineer
Werrick Health care

06/2018 – Present *Islamabad*

- Learning the working and maintenance of pumps compressors, hydraulic power systems , pneumatic and electrical control systems of injection molding, blow molding, tufting and packaging equipment.

Intern (Lubricants & Chemicals, Consumer Business)
Pakistan State Oil Company

07/2017 – 08/2017 *Karachi-Peshawar-Islamabad-Multan*

- Conducted market survey in Pakistan's Cement Industry to determine PSO's standing and identify areas of growth.
- Analysed lubrication requirements in each stage of cement manufacturing process- grades, sump sizes drain intervals.

EDUCATION

Bachelors of Engineering (Mechanical)
NUST College of E&ME

09/2013 – 06/2017

SKILLS & COMPETENCES

CAD | Computer Programming | Graphics Designing | Production Documentation

ACHIEVEMENTS

NUST High Achievers Award (01/2016)
Presented for excellence in extra-curricular activities

College of E&ME Merit Certificate (12/2015)
Presented for exceptional work in NUST Automotive Group

PKR 0.75 Million, 2nd Position in 'A Run for your Money Competition' (11/2015)
Presented by Shell Pakistan Ltd. for excellence in Shell Eco Marathon.

Runners-Up in HULT Prize Business Plan Contest @ NUST

PROJECTS

Drive-train of a single-seat vehicle (09/2016 – 01/2017)
- One-way clutch bearings were installed to replace differential. Double groove angular contact bearings were used to improve transverse load bearing capability.
- Significant improvements in mechanical efficiency of the vehicle were achieved over previously designed prototypes.

Solar powered Vaccine Refrigerator (09/2016 – Present)
- Vapor Compression cycle using DC invertor compressor. Thermal storage for keeping chamber cool for long duration.

Steering System of a single-seat vehicle (05/2016 – 08/2016)
- Rack & Pinion type and Bell crank types were designed on Lotus Shark Suspension Analyzer.
- 50% Weight reduction and 80% Ackermann were achieved.