SYED QURRETULAIN

MECHANICAL ENGINEER AT MANAV RACHNA UNIVERSITY

syedqurretulainzaidi@gmail.com
https://www.linkedin.com/in/ syed-qurretulain-zaidi
9560907911

SKILLS

CAD

• **Solid Works, Autocad** and **Catia** used on various projects involving GD&T
• **Auto CAD** and **Solid Works** used to draft 2 D engineering drawings to develop complex Rail-road vehicles

MECHANICAL

• **CNC** and **Laser Cutting** used to Created 3 D models and Verify design and completed manufacturing processes

• Implemented **Root Cause analysis**

• Machined several products using the mill, lathe, drill press , grinding etc.

• Heavy machinery manufacturing on **Hydraulics** principle

• **5s** maintain and **Why-Why analysis.**

• **Deepnest**

PROJECTS

• **Open door lock systems** -This device helps to open gate by fingerprint sensor

• **Miniature Hydraulic press machine** -This machine can make rubber neck ring and seal.

EDUCATION

(MANAV RACHNA UNIVERSITY)
B Tech in Mechanical Engineering
AUG 2017 - J JULY 2021 **AVERAGE – 70%**

INTERMIDIATE – Kendriya vidyalaya
PCM – 60%

EXPERIENCE

BHAGWATI ENGINEERING ENTERPRISES

Intern (DESIGN)

• Build various types of bushes and pins.
• Document maintains
• Design Hydraulic Cylinders and scissor lifts.

PREMNATH ENGINEERING WORKS

| Design Engineer | FEB 2021 – Present | DELHI

- Working as a proficient Design Engineer.
  -Managed ***Design*** process of all product
  -Created high-quality, detailed 3-D models using ***Solidworks***
  -Tested product by ***Simulation***
  - Created Quotations of new projects
  -Prepared the ***new project's Motion study***
  -Prepared an Operation Manual, Maintenance & training
  - Designed the Routing in Solidworks
  - Prepared and reviewed the list of Part file
  -Prepare ***BOM, hydraulic list*** for flow of Hydraulic oil.

TECHNICAL TRAINING-

- Certified **AUTOCAD** from CADD CENTRE
- Certified **SOLIDWORKS** with **MOTION** from CADD CENTRE.
- Completed **Hydraulics** Training

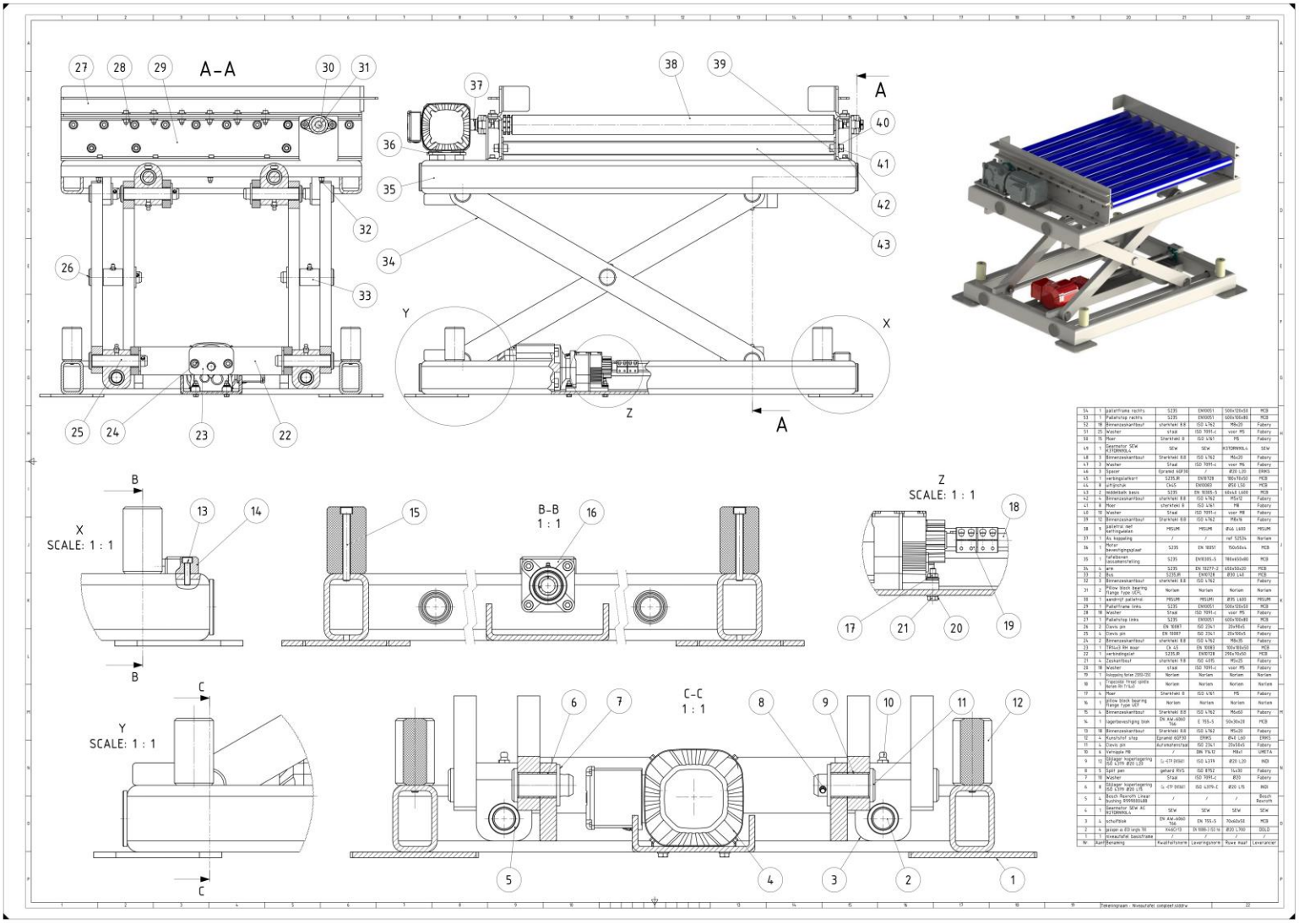
EXTRACURRICULARS-

• Machined several components using the **mill, lathe, drill press**, etc.
• Reading thriller
• Teaching swimming and organizing events.

SYED QURRETULAIN ZAIDI

MECHANICAL ENGINEER (DESIGN)

PORTFOLIO



HYDRAULIC POWERED SCISSOR LIFT-

What?

- Design and fabricate a device that uses to lift overhead electrification.

How?

- Used sheet metal features in SolidWorks to design this.
- Applied GD&T on all drawings Joined flat surfaces.

Results

- This device is fitted in Rail-road vehicle for doing heavy- electricity work and operated by hydraulic oil.

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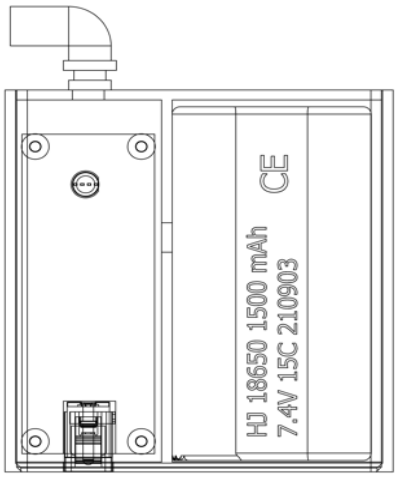
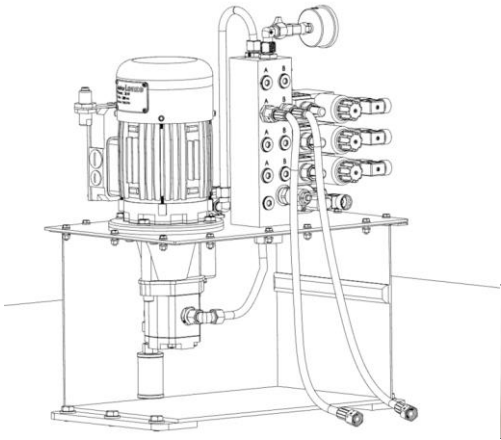
MECHANICAL ENGINEER (DESIGN)

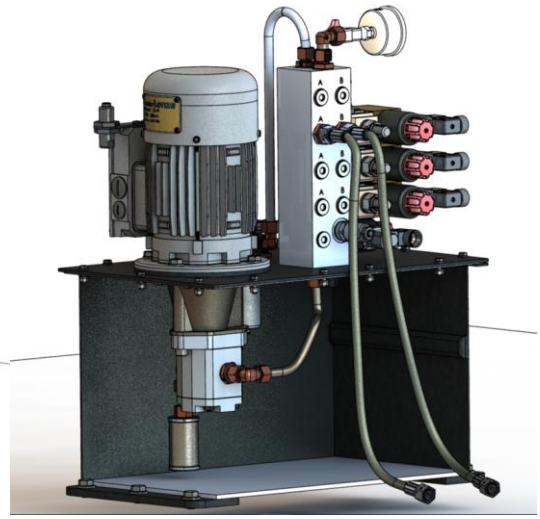
PORTFOLIO



MINI UPS FOR WIFI ROUTER

What?	How?	Results
This Device is used as a UPS for Wifi-router	• Designed in solidworks • Joined the 4 components that make up the wifi router.	• The device is completed After manufacturing and now it can give power to Wifi-router for about 4 hours.





HYDRAULIC POWER-PACK

What?	How?	Result
Hydraulic power is a self-contained system that generally includes a motor, a fluid reservoir, and a pump. It works to apply the hydraulic pressure needed to drive motors, cylinders, and other complementary parts of a given hydraulic system.	-Used SolidWorks to design . -Contacted manufacturers in China and india to deliver equipments	-This powerpack works on hydraulic oil and have capacity to pull railway boggie. - This reduces cost of hiring labour and transter heavy machines easily (above scissor lift also works on this power pack)