



Aadil Abdul Jaleel M

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Education

Bachelors of Engineering in Mechanical Engineering

— September 2021

Nitte Mahalinga Adyanthaya Memorial Institute of Technology

CGPA: 7.00

Description:

- Be able as an engineering graduate, to apply the basic concepts and principles of mechanical engineering to design and develop real-world solutions that are useful to the industry and society as a whole, which is ethically sound, economically viable and environmentally sustainable.
- Furthermore, technically, be able to apply the principles of thermal engineering in solving environmental-related problems, improving efficiency, reducing losses and pollution of the earth and effectively use different types of renewable energy sources for the benefit of future generations.
- Also to recognize the importance of manufacturing processes and its role in industrial development and to effectively improve productivity.

Higher Secondary Education

— April 2014

The Indian School

Work experience

Blue Star Associates

January 2020 — March 2020

Engineering Intern

Company Description:

Blue Star Associates is a relatively new quarry and stone crushing company in the rural area of Udupi district in Karnataka, India which has been in operation for over 7 years.

Manager: Abu Thahir

Contact: +91 9747602030

Job Summary:

To understand the operation of Horizontal Shaft Impact (HSI) and Vertical Shaft Impact (VSI) machines and their uses in the extraction of limestone from limestone quarry plant.

Job Description:

- Maintain basic cleanliness of the site and ensure crusher is level before operation begins.
- Perform daily checks on the conveyors, screen deck and crusher box and report any issues or required wear parts to the supervisor.
- Check Inventory to ensure product quality and mix material is of required standard. Adjust settings to optimize performance and gradation.
- Fill in necessary paperwork like daily logs, vehicle inspection logs and hours of service etc.
- Adhere to and follow all safety rules and regulations.

Scholastic Projects

- Design and Fabrication of Regenerative Braking System

Summary:

To create a regenerative braking system by designing the frame, pulley, motor and bearing using the creo software and assembling them to a belt drive using the same and to fabricate the designed parts using drilling, welding and arc-welding methods and to assemble the fabricated parts with DC motor, sewing machine motor, brake spindle and other basic electrical components to create a braking system that can recover energy upon application of the brakes.

- Stress Analysis on Spur Gear using Ansys

Summary:

Static stress analysis is conducted on spur gear of 3 different material data (cast iron, cast steel and cast bronze) using ansys workbench software and the equivalent stress, total deformation and stress intensity are calculated for given materials along with the area in which the component may fracture.

Skills

- Technical

Auto CAD, Ansys, SolidWorks, UG/NX, Microsoft Excel, Microsoft PowerPoint, Microsoft Word

- Personal

Problem solving, critical thinking, good communication, time management, research and analysis, technical report writing, flexible/adaptable.

- Language

English, Hindi, Malayalam: Full professional proficiency

Declaration

I hereby declare that the information furnished is true to the best of my knowledge.