

BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

Mechanical Engineering Student at Panjab University with a natural aptitude for engineering, smart work, process improvement, innovation, growth oriented and analytical thinking, aspiring to take up role in Engineering domain.

KEY EXPERTISE / SKILLS

Six Sigma Lean Business Process Mapping Root Cause Analysis AutoCAD FEM Structural Analysis Simulation
Project Management Skills MATLAB MS Office ANSYS 3D Modeling Design SpaceClaim Topology Optimization GD&T
SolidWorks

EDUCATION

University Institute Of Engineering & Technology B.E. - Mechanical Engineering CGPA: 7.02 / 10.00	2017 - 2021
St. Mary's Senior Secondary School, Rudrapur 12 th CBSE Percentage: 83.00 / 100.00	2015
St. Mary's Senior Secondary School, Rudrapur 10 th CBSE CGPA: 10.00 / 10.00	2013

AWARDS AND SCHOLARSHIPS

- Received Best Athlete of the Year Award in High School.
- Got selected for the CRPF state level FOOTBALL championship representing Uttarakhand.
- Represented St. Mary's in CBSE clusters, zonal level (FOOTBALL).
- Stood first in the district level Football Championship.

INTERNSHIPS

Swaraj (Mahindra FES) Key Skills: Heat Treatment <ul style="list-style-type: none">Expanded technical skills through continuing education courses.Practical exposure to Heat Treatment Division. Understood working and needs of various furnaces (SQF and pit), Heating cycles, Quenching, Shot Peening, Shot Blasting, testing of processed metals, qualitative inspection, safety aspects, working culture and mindset of engineers at reputed MNC.Observed how hierarchy worked and interdepartmental relations and works were carried out	Jan. 6, 2020 - Feb. 6, 2020
Techno Electronics Limited (Videocon) Key Skills: Refrigeration Manufacturing Processes Assembly <ul style="list-style-type: none">Manufacturing of Refrigerators, about ABS sheets, PU foam, Standard Operating Procedure, performance, quality and functioning checks of various components, understanding BOM and functioning of Quality Department.First part inspection tests, reliability tests, early Life Tests of incoming goods as well as finished products. Visuals of how cost cutting and innovation were employed in quality department while maintaining the standards.Suggested a very simple change in assembly step which could reduce labor cost and was approved by HOD Quality.	June 22, 2019 - Aug. 4, 2019

PROJECTS

Refrigeration (The Vending Company) Key Skills: Refrigeration Assembly <ul style="list-style-type: none">Manufacturing of water dispensers, assembly line, understanding various assembly steps, importance of different parts used and their working principles.Technical specifications and their importance and correlation to requirements, design, and availability of resources, and level of production. Practical exposure to refrigeration cycle. Also got an experience of attending safety audit and process improvement drive.Observed and suggested points of improvement in automation and processes to improve efficiency, reduce cycle time and mishandling which were readily appreciated by Product ion Manager	June 10, 2020 - July 8, 2020
Speed Noting Device Mentor: Mr. Vipin Team Size: 1	June 30, 2019 - July 16, 2019

Key Skills: Investigation Hazard Analysis Fluid Mechanics

• In case of road accidents, the device helped in noting down the speed at which an automobile was running at the time of collision. This could prove to be great help in determining whether driver was over-speeding at the time of collision or not. The idea was found to be simple yet innovative by faculties.

Innovation Product Design

May 30, 2018 - June 29, 2018

Mentor: Dr. Manu Sharma | **Team Size:** 4

Key Skills: Arduino SpaceClaim 3D Modeling

• Successfully designed a working model for economical Smoke detector cum Fire extinguisher, that ruled out the risks of fire breakouts in the absence of humans. Further proposed transmission of data and visuals of the site where fire breakouts to fire department and concerned officials to get a better picture of the site and help firefighters in easily accessing the situation. Jury appreciated the further modifications and was awarded grade A.

Analysis of Underground Tunnels Subjected To Internal Blast Loading (UIET & DRDO)

Oct. 1, 2020

Mentor: Dr. Rajesh Madan | **Team Size:** 6

Key Skills: Structural Analysis Data Analysis ANSYS

• The present work deals with three dimensional nonlinear finite element (FE) analyses and simulation (using ANSYS) of underground tunnels in soil subjected to internal blast loading. Current developments and studies were approved by mentors.

ASSESSMENTS / CERTIFICATIONS

Six Sigma Principles (University System of Georgia)

Aggregate: 89.0 / 100.0

Key Skills: Process Improvement Lean Lean Method Six Sigma

Knowledge of the basic components of Six Sigma and Lean. These skills have been proven to help improve business processes and performance. Scored 89% in assessment.

General Electric (GE) Virtual Experience Program

Key Skills: Business Process Map Root Cause Analysis Understanding ERP

The tasks in this module included: Identifying the critical process steps and develop a process map which represents the high-level process; Identify the problem; propose the implementation of a business system to solve business problems with end-goal of providing the best outcome for customer.

Supply Chain Logistics (Rutgers State University)

Key Skills: Logistics Network Transportation Warehousing and Inventory Management

An introductory course designed to provide knowledge about supply chain logistics. It covers three major building blocks of logistics networks: transportation, warehousing, and inventory.

ANSYS ENGR2000X: Introduction to Engineering Simulations (Cornell University)

Key Skills: FEA Ansys Structural Analysis Fluid Mechanics Heat Transfer

Involved: Fluid dynamics simulations using ANSYS Fluent™. Structural mechanics and thermal simulations using ANSYS Mechanical™. Mathematical models underlying simulations. How to approach engineering analysis and simulations like an expert.

Initiating and Planning Projects (Uni. of California Irvine)

Aggregate: 88.0 / 100.0

Key Skills: Project Project Planning Project Management Skills

Learned about Identifying the key characteristics of a project, primary project constraints, identify Project Organizational Structure, understanding and Identifying project stakeholders and their information needs. analyzing responsibilities of managing stakeholder and controlling stakeholder engagement. Scored 88% in final assessment.

Autodesk Certified Professional: AutoCAD for Design and Drafting Exam Prep (Autodesk)

Aggregate: 85.0 / 100.0

Key Skills: AutoCAD Drafting

Involved typical workflow and features of the AutoCAD software, including sections on drawing and organizing objects, drawing with accuracy, 2d and 3d modelling. Obtained 85% in assessment.

EXTRA CURRICULAR ACTIVITIES

- Part of Brand Promotion Committee, which specialize in organizing events and operations like marketing, media and publicity.
- Has organised Orientation 2019, a first time event for 21 days successfully.
- Was part of organizing team of U.I.E.T. marathon.
- Gained experience in organizing college level event 'LEGACY 3.0 and LEGACY 4.0' that involved a participation of 400 competitors
- Organizing member of Josh Talk Punjab 2019.

IMs

- WhatsApp - 7017665412

PERSONAL DETAILS

Gender: Male
Marital Status: Unmarried
Current Address: B7 Thakur Nagar, Transit Camp, Rudrapur,
Uttarakhand, India - 263153
Emails: interninnovativejha@gmail.com

Date of Birth: April 7, 1998
Known Languages: English, Hindi
Phone Numbers: +91-7017665412