

Neha Sanjay Awate

Gender: Female

Marital Status: Unmarried

Date of Birth: 29/07/1998

Mobile No: +91 8928365526

E-mail ID: awateneha72@gmail.com

Permanent residential address : Indira Shankar Nagari, Sawali Apartment., V6/28, paud road, pune-38.



Career Objective

To be an effective contributor in the challenging and innovative projects that enables me to deliver and enhance my technical and managerial skills for the organizational growth.

Academics

Branch: Mechanical Engineering

Class	Year of Passing	University/ college	Percentage / SGPA	Grade/ Class
BE	2020	MMCOE/SPPU	9.7	First class with distinction
TE	2019	MMCOE/SPPU	8.76	First class with distinction
SE	2018	MMCOE/SPPU	8.36	First class with distinction
FE	2017	MMCOE/ SPPU	8.6	First class with distinction
XII	2016	Fergusson college	82.92	First class with distinction
X	2014	Abhinava vidyalaya high school	94.2	First class with distinction

Engineering Aggregate Percentage / CGPA: 8.83

Technical Skills

1. Software: AutoCAD, Catia, ANSYS.
2. Others: MS Office, MS project, MS excel.

Projects & Initiatives

- **Failure Analysis of Engine components in transport utility vehicles.**

Organization: MSRTC, Dapodi

Description:

1. Identification of major defects in BSIII Engines. Using FMEA process to identify failure mode, their causes and effects on failure of the system and prioritize issues for corrective action.
2. Calculation of RPN for different components of Engine.
3. SEM, EDS testing of the critical part (piston) which is prone to failure based on RPN.
4. FEA analysis of Crankshaft.

Internship

Organization: Eleation

Duration: From 6/05/2020 to 10/06/2020

Description:

1. Analysis of Cylinder Block using ANSYS. Engine has firing order 1-4-2-3. Geometry editing, Meshing, Analysis of the part for four different materials.
2. Transient thermal, transient structural, Modal, Fatigue analysis conducted for four materials.
3. Comparing the outputs of each analysis, Graphite Cast Iron is the best suited material for the block.

Key Learning:

Meshing, Structural and fatigue analysis on the Industrial components, excel, result interpretation learned.

Publication

- Elsevier – Engineering Failure Analysis (impact factor-2.89)
Failure analysis of diesel engine piston in transport utility vehicles.
<https://doi.org/10.1016/j.engfailanal.2020.105008>

Achievements and Awards

- Secured **first** rank in B.E. Mechanical in academics with **SGPA 9.70**.
- Worked as Ladies Representative of the Class in F.E.
- Organized an 'Arduino workshop' in college through Robotics team.
- Secured 'B+' rank in the elementary grade examination.
- Secured 'B+' rank in the intermediate grade examination.
- Secured second rank in project poster making competition organized by MESA, MMCOE.

Certifications

1. Hands on Workshop on "Hypermesh" (24-25 September, 2019)
G2G Innovation LLP, Pune
2. ANSYS basic to professional training program (5 May, 2020)
Elevation
3. Automotive Awareness program (15 May, 2020)
MMCOE SAEINDIA Collegiate Club
4. Workshop on Engineering calculations using MathCad (12 June, 2020)
Skill-Lync
5. Machine Design Part I (13 July, 2020)
Georgia Institute of Technology
6. Fundamentals of Project Planning and management (8, August 2020)
University of Virginia, Darden School of business

Co-Curricular Activities

1. Robocon 2018 (1-3 March 2018, MIT academy)
 - Research and Development Phase
 - Design and Manufacturing of various Theme-based Mechanisms
 - Part of the Documentation Team
2. Robocon 2019 (16 June 2019, IIT Delhi)
 - Research and Development Phase
 - Analysis, Manufacturing, Calculations of Mechanisms and Chassis
 - Head of the Documentation Team
 - Senior and part of the Management Team

Interpersonal

- Ability to work in Challenging environment and adverse situations.
- Decision making and problem solving.
- Good written and spoken communication.
- Meticulous and quick learner.

Languages

- Marathi
- German
- Hindi
- English

Interests & Hobbies

- Drawing and painting

Declaration

I hereby declare that the above information provided is true to best of my Knowledge and belief.