

ANSHUL SONI

Mobile: +91 7839070149, 7084644751

E-Mail: anshulsoni29@gmail.com

Permanent Address: Type ¾ D.M Colony Civil Lines, Banda, 210001, U.P.

Career Objective

To obtain a position of responsibilities that utilizes my skills and experience and keen to work in an environment where I can enrich my knowledge.

Education

Course	Board/University	Year	Marks
B. Tech (Mech. Eng.)	AKTU Lucknow	2016	64.4 %
Class XII	N.I.O.S Board	2010	54.60 %
Class X	C.B.S.E	2007	58.60 %

Area of Interest

Interests: IC Engine.

Project work**About my projects:**

During my 7th semester, I have attended seminar on “**Energy Policies – Issues & Challenges**” and presented my project work on Designing of Hubless wheel.

A. Designing of Hubless wheel

The aim of this project is to design and build an innovative hubless wheel. The hubless wheel will be self-driven by a prime mover like a DC motor. The wheel will have three planetary rollers which will be powered by two DC motors. One roller is on the shaft directly coupled to the two motors and the other two rollers are on two separate shafts connected via belt drives.

B. Gearshift Overdrive:

During my 8th semester, I have completed project on Gearshift Overdrive.

Overdrive is the operation of an automobile cruising at sustained speed with reduced engine revolutions per minute (RPM), leading to better fuel consumption, lower noise, and lower wear

Trainings and Industry Visit**[A.]**

Organization: Diesel Locomotive Shed Jhansi for 30 days (July 2013)

Role:

During this 30 days training program, we have visited the entire locomotive shed and assisted to Jr. Management and Engineers team for preparation of Railways Wagons, Wheel production with the help of CNC lathe, Preparation of DB valve, Diesel Engine overview and other modules.

[B.]

Organization: SOFCON India Pvt. Ltd.

Role:

Industrial visit and training on Industrial Automation and Building Automation System

Professional Certification

- Solid Edge
- MIT mitboats robotics

Technical Skills

- Familiar with operation of IC Engines using Daynomerk Dayno Controller.
- Origin Software for plotting of graphs
- **Hands-on experience on Emission Analysers:**
- Horiba MEXA-6000FT-E (FTIR)
- Horiba EXSA-1500 Gas Analyser
- Horiba MEXA- 584L Portable analyser
- EEPS (Engine Exhaust Particle Seizer)
- **Hands on Experience in Fuel testing instruments:**
- Flash Point Apparatus
- Oxygen Bomb Calorimeter
- Viscometer
- Density meter

Experience

March 2019 - Present

- - Working as a Project Associate in Department of Mechanical Engineering, (Engine Research Laboratory) at IIT Kanpur.

Conferences, Seminars and Courses

- I have presented the Poster on **RCCI** (Reactivity Controlled Compression Ignition Engine) in **IV International Conference** (Sustainable Energy and Environmental Challenges) at CSIR NEERI Nagpur in November 27th-29th, 2019.
- Attended QIP Workshop on “Design of Engines for Emissions Compliance” at IIT Kanpur during April 17th -21st, 2019.
- Attended **ME-690** (*Alternate Fuels and Advances in IC Engine*) course at IIT Kanpur under Prof. Avinash Kumar Agarwal in 2019.

Personal Interests

- Watching Innovative Videos on IC Engine and new inventions

Personal Particulars

Father's Name: Vinod Kumar Soni
Date of Birth: 29th May 1992
Gender: Male
Marital Status: Unmarried
Nationality: Indian