

# PRAVEEN JHA

B. Tech (Mechanical Engineering)

+977-9864883783 | praveenjha754@gmail.com

## ACADEMIC QUALIFICATIONS

Year	Courses	University/College	Percentage
2018	B. Tech (Mechanical Engineering)	Jawaharlal Nehru Technological University, Kakinada	75.54
2012	Higher Secondary Education (+2)	Pentagon Int'l College, Kathmandu	78.4
2010	Secondary Level Education (SLC)	Mitra Memorial Sec. Eng. Boarding School	84.38

## TRAININGS

**Trainee at PINAK CONSULTANTS, Jamshedpur** – an authorized consultants for **TATA MOTORS**

- Studied about the advance features that have been introduced in modern day's four wheelers such as cruise control mechanism, keyless entry, variable valve timing, provision of multiple air bags, etc. as well as the provision of BS standards for pollution control.
- Studied about the design and calculation part for various sub systems such as steering, braking, wheel and assembly, suspension, etc. for All Terrain Vehicles (ATVs).
- Studied, visualized, and assembled/disassembled two stroke and four stroke petrol engine.

**Trainee at Nexus Institute, Pune**

- A hands on experience regarding the fabrication of chassis body and sub systems of All Terrain Vehicles.

**Trainee at CADODYSSEY, Surampalem**

- Learnt to design/draft 2D as well as 3D objects with a targeted 60 hours course duration for engineering student.

## ACADEMIC PROJECTS

**Self-tracking solar panel for automobiles** – In Collaboration with Indian School of Business (ISB Hyderabad) as a part of two years semi virtual course called as **Technology Entrepreneurship programme**

- Designed a self-tracking solar panel with dual axis of rotation covering 360 degree of movement.
- Analyzed the variation of solar energy falling on solar roof after using the dual axis rotation technique.
- Enhanced the design of solar roof in order to reduce the air drag loss.
- Fabricated a prototype model of self-tracking solar panel.
- Prepared a business model to sell our product in to the market

**Design and Fabrication of an All Terrain Vehicle**

- Studied, analysed and designed the steering system for ATV as per the design criteria provided by **BAJA SAE INDIA**.
- Performed impact analysis on the proposed steering system
- Involved in fabrication as well as mounting of steering system

**Design and Fabrication of F1 model based hybrid vehicle**

- Studied, analyzed and designed the braking system for Formula Hybrid Vehicle as per the design criteria provided by ISIE.
- Involved in fabrication as well as mounting of braking system

## POSITIONS OF RESPONSIBILITY

- College ambassador** for two years semi virtual course called as Technology Entrepreneurship Programme (TEP) provided By Indian School of Business
- Team leader of a group working on a theme called "Smart City" for the TEP programme at ISB.
- Team leader of the final year academic project dealing with design, analysis and fabrication of self-tracking solar panel.
- Anchored for many events including International Students Day, Post cricket league presentation and different cultural events.

## AWARDS & ACHIEVEMENTS

- Merit based full scholarship provided by college management during B. Tech
- Received **1st** prize for robot-race competition organized by Aditya Group of Institutions during B. Tech
- Received **3<sup>rd</sup>** prize for Public Speaking contest organized by Aditya Group of Institutions during B. Tech

## COURSEWORK AND SKILLS

Relevant Courses	Mechanical Design, Production, Thermal Science, Industrial Management
Technical Skills	AutoCAD, Solidworks, Basic C programming, MS word, MS excel, MS power point

## Work Experience

SPG Automobiles	Dealer In charge –Service (JULY 2019 – DEC 2020)
CG Foods, Bardiya	Maintenance Engineer ( February 2019 – June 2019)

