



VIVEK SINGH CHAUHAN | 15AE30019
AEROSPACE ENGINEERING (Dual-Degree Course)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2021	B.Tech + M.Tech	IIT Kharagpur	6.51 / 10
2015	INTERMEDIATE EXAMINATION	J.N.V. Kottayam	88.4%
2013	SECONDARY SCHOOL EXAMINATION	J.N.V. Bhind	9.0 / 10

INTERNSHIPS AND PROJECTS

Literature Survey on Laser Thrusters.

- To explore the possibilities of more environmental friendly thrusters compared to conventional one.
- Subsequently to tackle the Space Debris removal problem.

Literature Survey on Green Oxidizer.

- Performed Literature survey to determine feasible green oxidizer for Propellant.
- Consequently there synthesis process & the constraint they follow.

Aerodynamics Design Project.

- Designed & Fabricated Flat plates that were tested in a wind tunnel to determine the force characteristics over them.
- Conducted the experiment on Flat plates at different angle of attack & collected the pressure data.
- Subsequently used the force characteristics to determine Lift & Drag force and generalize these forces for the Flat plates.

SKILLS AND EXPERTISE

Programming language:

C, SQL, & Python.

Software:

AutoCAD, ANSYS, Excel
MATLAB, Microsoft SQL Server
Microsoft Power BI.

Technical skill:

Data Analysis, Finite Element Method,
Design Analysis.

POSITIONS OF RESPONSIBILITY

Captain Athletics, Nehru Hall of Residence, IIT Kharagpur.

- Elected to serve as team captain by over 460 boarders.
- Administrated a budget of 25,000 & groomed the secretaries.
- Organized trials for Hall team selection and lead the team in general championship sports & games.

Captain Light & Sounds, Nehru Hall of Residence, IIT Kharagpur.

- Nominate to serve as captain & handled a budget of 1,00,000.
- Organized trials for hall team selection and lead the team in general championship social & cultural.

Secretary Athletics, Nehru Hall of Residence, IIT Kharagpur.

- Ensured regular practice of team members.
- Frequent check on their health status to maintain the requirement fitness level for the event.

Volunteer Spring Fest IIT Kharagpur.

- Conducted arena management.
- Posted events Dramatics, Quiz, Paint & Sketching.

AWARDS AND ACHIEVEMENTS

- Placed in top 1% of the 1.34 million students appeared in Joint Entrance Examination (2015).
- Awarded by Letter Of Excellence for my Board performance from MHRD, Government of India.
- Dakshana Scholar, among top 1% of JNV students from across India are accepted as Dakshana Scholar.

EXTRA CURRICULAR ACTIVITIES

- Member of Gold winning dramatics team (Nehru Hall) in general championship social & cultural.
- Dakshana Alumni Network (DAAN) Member.
- Organizer of Navodaya Dakshana Selection Test & Joint Dakshana Selection Test, In that hundreds of candidates participated.