

**Name: Tanishka Mourya**

Correspondence Address:  
Rustampur Baluva Road  
Varanasi, 221007

Email: tanumourya123@gmail.com  
Mobile No: 6387028029



### Objective

To become a leading professional in the aerospace industry and seeking career in a challenging corporate environment dealing in aviation sector, where my quick learning skills can be utilized effectively both for personal growth and organizational profitability.

### Academic Profile

Board	School/Institution	Year/Semester	% Marks/ CGPA
B.Tech (Aeronautical Engineering)	Department of Aeronautical Engineering, PIET, Parul University	4 <sup>th</sup> /8th	8.8/10
Aircraft Maintenance Engineering	Aeronautical Training Institute	2021	87%
12 <sup>th</sup>	Ram Lakhan Public School	2018	74%
10th	Navneeta Kuwar Public School	2016	8.2/10

### Computer Skills

**Software: CATIA, ANSYS, MATLAB, MS-Office,**

**Languages: Python, C++, SQL**

### Major Subject

1. Aircraft Maintenance Engineering
2. Introduction to Space Technology
3. Rocket and Missiles
4. Drone technology

### Industrial Exposure

1. Internship in Unmanned Aerial System for Various Applications Using Different Flight Control System – Parul University
2. Internship & Training Program on Rocket Propulsion Technology - Skyline Space

### Minor/Major Projects

1. NACDEC-5: Water Scooping Amphibian Aircraft for Fire-fighting (WaSAAF)  
In which we design and develop amphibian planes and adopt innovative techniques to use them for fire-fighting applications. Incorporation of water

scooping mechanism into indigenous amphibian planes is therefore the first step and major design challenge to be taken up, to make our country self-sufficient, in the true spirit of Atmanirbhar Bharat initiative of Government of India.

2. NACDEC-6: Vertical Take-off and Landing Autonomous Air Ambulance Aircraft  
This project is around the conceptual design and sizing of VTOL aircraft capable of transporting ill/injured patients to the nearest medical facility. It is a configuration and system design project aimed at arriving at a viable design from a plethora of available configurations and technologies, which can be taken up for detailed design and development program later.
3. Detailed study of Different types of Nose cone used in Aircraft and missile. (Minor Project)
4. Design and Fabrication of Transwing UAV. (Major project)

#### Research Paper

1. Tanishka Mourya (2022). *Autonomous Tilt Rotor Stabilized Plimp Hybrid Airship Unmanned Aerial Vehicle*. International Conference on Design and Engineering of Lighter-Than-Air systems (DELTAs - 2022).(Springer Publication)
2. Tanishka Mourya (2022). *Design of Single stage High Pressure Turbine*. International Journal of All Research Education & Scientific Methods, (IJARESM) (UGC Journal)
3. Tanishka Mourya (2022). *Efficient Way of Desalination of Sea Water for Agricultural and Commercial Use*. IJRTI - International Journal for Research Trends and Innovation (UGC Journal)
4. Tanishka Mourya (2022). *Impact of Plastic Bullet for INSAS on a target with trajectory correction*. International Journal of All Research Education & Scientific Methods, (IJARESM) (UGC Journal)
5. Tanishka Mourya (2022). *Aeroamphibious Flight of cyclorotor using Axial flux Motor*. American Institute of Physics(AIP) Publication.(Scopus Journal)
6. Tanishka Mourya (2022). *Collision Avoidance for a multicopter using ultrasonic sensor embedded with Arduino Uno*. American Institute of Physics(AIP) Publication(Scopus Journal)

#### Extra-Curricular/Social Activities

1. Participated in Projection- Gujarat largest Technical fest as an event coordinator.
2. Participated in Tech Expo- As a head of Board of Assessment.
3. Internship in Muskurahat Foundation- Social Activities as an volunteer.
4. Participated in “Technical Talk on Drones and robotics for Aeronautical Engineering” as a Student Coordinator.
5. Participated in “Fabrication of Balsawood Model-Biplane” as a Student Coordinator.
6. Participated in “Med Expo-2022” as a Student Coordinator.
7. Participated in “Technical Talk on Drones and robotics for Aeronautical Engineering” as a Student Coordinator.
8. Participated in PUMUN 2.0 (Parul University Model United Nations) as a Student Volunteer.
9. Participated in “National level Technical Event- Hydro Rocket” as a Student Coordinator.
10. Participated in National level Technical Event “Hands on Training on Ornithopter

- Design” as a Student Coordinator.
11. Participated in National level Workshop cum Competition on “Elastic Powered Fixed Wing Plan” as a Student Coordinator.
  12. Participated in National level Training on “Data Analytic using R programming” as a Student Coordinator.
  13. Participated in 2-Days Workshop on “Design & Development of Quadcopter Drone for Payload Delivery” as a Student Coordinator.

#### Achievements/Responsibilities

1. B1.3 (Paper-1)- AME License Holder.
2. Participated in Technoxian - World robotics Championship
3. Appointed as Department Technical student Coordinator.
4. Appointed as University Technical Event Cell student core member.
5. Participated in Space Tech Quiz- Competition 2023.31, conducted by OmSpace Rocket and Exploration Pvt Ltd.
6. Participated in Global Recycling Day Quiz- Competition organized by Technical Event Cell Parul University under the banner of G-20.

#### Hobbies

1. Travelling
2. Yoga
3. Reading
4. Arts
5. Sports

#### Personal Profile

**Name:** Tanishka Mourya

**Date of Birth:** 31/07/2001

**Gender:** Female

**Father’s Name:** Dr. Shailendra Kumar Mourya

**Father Mobile No:** 6387028029

**Father’s Occupation:** Doctor

**Nationality:** Indian

**Permanent Address:** Rustampur Baluva Road Varanasi, 221007

**Languages known:** Hindi, English

**Strengths:** Multitasking, Leadership, Teamwork, Technical Skill, Detailed Oriented, Fast learner

I hereby declare that the details above are correct and true to the best of my knowledge.

Signature:



Name: Tanishka Mourya

