



SHIVAM BHALLA

PhD (Pursuing)

National Institute of Technology Raipur, (CG)

M. Tech (**Aerospace**), B.E. (**Mechanical**)

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OBJECTIVE

To obtain a position which will match my ability where I can implement and enhance my knowledge and from academic learning give my better than best to an organization.

EXPERIENCE

Guest Faculty at Institute of Engineering and Technology, Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) (A Central University)

Department of **Aeronautical Engineering**

Duration: Dec 2023 to Present.

Assistant Professor at BTIRT, Sagar, MP

Department of **Mechanical Engineering**

Duration: Jan 2021 to Dec 2023.

Assistant Professor at SVN, University, Sagar, MP

Department of **Aeronautical & Aerospace Engineering**

Duration: July 2019 to Dec 2020.

Project Intern at Zeus Numerix Pvt. Ltd. Pune, MH

Company domain: **Defense & Space**

Duration: Jan 2019 to May 2019.

- Design and improved designs using **MATLAB, Solidworks & CATIA.**
- Controller design for the **UAV & Missile guidance**

Teaching Assistant at UPES, Dehradun.

Duration: Aug 2017 to Jan 2019.

- Teaching & Research and Review paper
- Class test and assignments for the classes.

Teaching/Research Area - BME, SOM, THERMO-TE&GD-HMT-RAC, FM, IC Engine, Flight Mechanics, Flight Dynamics, Aerodynamics, Thermo-Fluids, Mechanics, Material, CFD simulations, etc.

EDUCATION

M.Tech (Aerospace Engineering)

(2017-2019)

University of Petroleum and Energy Studies, Dehradun (Uttarakhand)

Obtained marks: **8.10 CGPA (Aggregate)**

B.E. (Mechanical Engineering)

(2013-2017)

AIST, Sagar. Affiliated by R. G. V. P., Bhopal (MP)

Obtained marks: **8.24 CGPA (Aggregate)**

Higher Secondary School Certificate (12th)

(2013)

Madhya Pradesh Board, Sagar (MP)

Obtained marks: **336/500 (Additional-BIOLOGY)**

Secondary School Certificate (10th)

(2011)

Madhya Pradesh Board, Sagar (MP)

Obtained marks: **458/600**

Address: -

Ahamadnagar, Sagar, (MP)
470002, India.

Social Media

www.linkedin.com/in/shivam-bhalla-522262154/

Technical Skills

AutoCAD 

SolidWorks 

CATIA 

MS-EXCEL 

Windows 

ANSYS 

Certifications

FDP, NITTTR.

PEP, UPES. (UK)

CATIA training at D Auto
engineering private
limited, Bhopal, (MP)

MATLAB Workshop

Father's Name

Late Prem Kumar Bhalla (Adv.)

Mother's Name

Mrs. Shobha Bhalla

Nationality/ Marital Status-

Indian / Single

DOB-21/02/1995

Characteristics

Creativity
Leadership
Sports Person
Self-motivated

Languages Known

English
Hindi

Hobbies & Interest

Teaching
Writing
Snooker
Badminton

TRAININGS

Indian Institute of Science, Bangalore

The process of performing yoga exercise by astronauts in microgravity, Exercises in space, Simulation and testing of springs, LifeMOD, Resistance. (June 2018- July 2018)

National Workshop on Model Rocket Designing Development & Launch

Space Development Nexus, New Delhi.

Understand principle of Rocket, Design & Building Rocket, Testing and Launching

D Auto engineering private limited, Bhopal, M.P.

Product Development and Design to generate solid model by the help of Surface Modelling.

PROJECTS/EVENT COORDINATOR

Project Supervision as an Assistant Professor

- Low Altitude Airship Technology.
- Flight Envelope and Design study of Combat Aircraft.
- CFD for gas turbine blade and analysis of NACA profile (Airfoil)
- Electric Screw Jack

Event coordinator

- Two weeks hands on training program on ANSYS.
- Co-coordinator of two days hands on training program on FEA.
- Various Sports Event and Cultural Events.

M.Tech Academic Thesis Project

Controller Design for UAV. (Autopilot, Roll, Pitch & Guidance) (Jan 2019 – Jun 2019)

Academic Projects (M. Tech)

(July 2017- Dec 2018)

Leo Satellite Perturbation equation and Altitude Estimation.

Estimation of position of Satellite affected by several forces.

CFD analysis of Propeller.

CFD analysis is done in the model to calculate various Forces and Derivatives

Drag and Lift analysis of Airship.

Drag and Lift prediction of airship at various operating conditions such as Mach number, Altitude, Angle of Attack.

Fire in Forest by the UAV based Forest Fire Monitoring.

Detection Firefighting technologies, image processing

Academic Projects (B.E.)

(July 2016- June 2017)

Solar Powered Vehicle.

Working model of car powered by solar energy, power transmission system of the vehicle.

Experimental study of various types of metal coated by the CNT. Study of the bending stress of the material, coating the carbon nanotubes.

ACHIEVEMENTS / EXTRA-CURRICULAR ACTIVITY

- University topper with 9.0/10 CGPA, in 1st year of M.Tech.
- Batch topper with 9.31/10 CGPA, in 6th semester during BE
- Participated in SGFI, 56th and 57th National school games in CHESS.

DECLARATION

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



SHIVAM BHALLA