



# RAHUL RAJAWAT

## MECHANICAL AND ENERGY ENGINEER

### SUBJECTS/ELECTIVES

Strength of Materials, Machine Design, Alternative fuels, Manufacturing Engineering, Operations Research and Supply Chain Management, Wind Energy Systems, Solar Energy, Small Hydropower, Biofuels, Biomass, Biochar, Energy Storage Technologies, Pollution Control Technologies and Waste Management.

### PROFESSIONAL SKILLS

- ANSYS Fluent
- Computational fluid Dynamics
- DIESEL-RK Engine Simulation
- Design Expert Software
- Microsoft Office

### GATE SCORE-

- GATE 2020- 96.9 Percentile

### LANGUAGES KNOWN

- Hindi
- English

### CONTACT INFORMATION:

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## ACADEMIC CREDENTIALS

**Maulana Azad National Institute of Technology Bhopal**  
M.Tech In Renewable Energy( 2020-Ongoing)  
CGPA- 8.8

**Shri Vaishnav Institute of Technology and Science,Indore**  
B.E In Mechanical Engineering ( 2014-2018)  
CGPA- 7.57.

**St Jude's Higher Secondary School,Khargone**  
CLASS XII (Physics,Chemistry,Maths)- 84.8% (2013,CBSE)  
CLASS X( Maths,Science)- 9.8 CGPA (2011,CBSE)



## PROJECTS

- CFD Analysis of " **Silt Erosion In Hydrokinetic Turbine.**"  
Details- Discrete Phase Model used, silt concentration, silt size is varied to study "**DPM Erosion Rate Generic**"
- Book Chapter on " **Clean Energy Using Hydro-electric Generation From Rivers.**  
To Be Published In" **SPRINGER NATURE**".
- "Impact of Different types of biodiesel-diesel binary blend on engine performance and its validation by Diesel-RK" .



## CONFERENCES AND WORKSHOPS

- ATAL FDP ON " **Sustainable Transport Sources For Future Mobility Applications**".  
Organized By- ENERGY CENTRE, MANIT BHOPAL.
- **Workshop On " Recent Trends In Clean Energy"**.  
Organized By- DEPT OF CHEMICAL ENGINEERING, MANIT BHOPAL.
- **International Conference On Advancements In Materials, Manufacturing and Energy.**  
Organized By- DEPT OF MATERIAL ENGINEERING, MANIT BHOPAL



## HOBBIES AND INTERESTS

- **Watching and playing cricket.**  
Captain of school and college cricket team.