

# Abhishek Jaiswal

Problem solver, Quick learner, Firefighter...  
Master of Technology (1902105006), 2nd year  
Materials Science and Engineering,  
Indian Institute of Technology Indore

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**Location:** IIT Indore, India

## EXPERIENCE

### Asmetech Engineers Pvt. Ltd., Sahibabad, New Delhi — Mechanical Design Engineer

APRIL 2018 - SEPTEMBER 2018

- ❖ Worked as a Design Engineer Trainee.
- ❖ Worked on few projects to design the layout of Pipes, Boilers, Heat Exchangers, etc. on AutoCAD which increased the overall effectiveness of mechanical designing in the company.

## SKILLS

- ❖ **Software Packages:** AutoCAD, Solidworks, OriginPro, Gwyddion, MATLAB (Learning), etc.
- ❖ **Operating Systems:** Windows XP, Windows 7, Windows 8, etc. +
- ❖ **Database:** MS Office, MS Word, MS PowerPoint, etc.

## EDUCATION

Year	Degree/Certification	Institution	Percentage/CPI secured
2021	M.Tech (Upto 3rd Sem)	Indian Institute of Technology Indore	8.5 ( CPI)
2018	B.Tech in Mechanical Engineering	Raj Kumar Goel Institute of Technology Ghaziabad	73.45%
2014	12th (CBSE)	Radhika Bal Vidya Mandir Jaunpur	84%
2011	10th (UP Board)	St. Xavier's Inter College, Mariahu, Jaunpur	84.6%

## ACHIEVEMENTS

- ❖ Qualified GATE ME-2019 & GATE XE-2020 examination
- ❖ Selected for IOCL Apprenticeship in early 2019
- ❖ Achieved good rank in 2nd IEO ( Indian Engineering Olympiad)

## PROJECTS

### **M.Tech Project Name — *Gallium oxide thin films & Applications (ongoing)***

- ❖ **Domain:** Materials Science & Engineering
- ❖ **Location:** NEMG Lab, IIT Indore
- ❖ **Description:** Gallium oxide scientific and technological research has greatly intensified over the last decade as the potential of  $\text{Ga}_2\text{O}_3$  as the perspective wide bandgap semiconductor has been recognized. This M.Tech research project is focused on growing the gallium oxide thin films & nanostructures using electrochemical techniques. In the second phase, I am doing Simulations on MATLAB to demonstrate the I-V characteristics of Memristor.
- ❖ **Year:** 2nd year (2020–2021)

### **B.Tech Project Name- *Suspension of tilting trike***

- ❖ **Domain:** Mechanical Engineering
- ❖ **Location:** RKGIT Ghaziabad
- ❖ **Description:** Tilting suspension system bike mainly consists of the Independent suspension system, in addition to tilting or leaning Mechanism. This project was to design the trike on SolidWorks and fabricate the tilting trike.
- ❖ **Year:** Final Year (2018)

## INTERNSHIPS

- ❖ Four weeks training in **ELECTRIC LOCO SHED (NORTHERN RAILWAY)**
- ❖ Three weeks online internship in **Humanitas Model United Nations**
- ❖ Five weeks online internship as a **Campus Ambassador in International Model United Nations**

## EXTRA-CURRICULAR ACTIVITIES

- ❖ Member of Cinephiles Team, IIT Indore
- ❖ PG representative of 2019 MSE Batch, IIT Indore
- ❖ Hostel Secretary of Homi J. Bhabha Hall of Residence ( Nov 2019– Jan 2020)
- ❖ Participated in workshops like Entrepreneurship Development Programme, Digital Marketing, Powerplant by NPTI ( National Power Training Institute) in the graduation.
- ❖ Recently completed Workshop on Research article writing conducted by Wise-up Communications.
- ❖ Certificate of Appreciation from Humanitas MUN after completion of the internship.

## LANGUAGES KNOWN

English, Hindi, French (Basic)

## PERSONAL INTERESTS/

## HOBBIES

Traveling, Trekking,  
Playing Badminton, etc.

## VOLUNTEER WORK

- ❖ Volunteered “LIGHT DE LITERACY” organization throughout the 3rd & 4th year of B.Tech.
- ❖ Currently volunteering the “Techno-Samvaad”  
An event where 12 departments will participate to win the Best Research Award of the session.