



LAVISH SHAKYA | 141030012007  
MECHANICAL ENGINEERING (B.Tech)



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2018	B.Tech	IITRAM, Ahmedabad	8.17 / 10.0
2014	CBSE	Indore Public School, Indore	90.8%
2012	CBSE	St. Mary's Convent Sen. Sec. School, Ujjain	10.0 / 10.0

## SKILLS & EXPERTISE

**Tools** : NX-CAD 9.0, DEFORM 3D, ANSYS, Microsoft Office, Basics of MATLAB, Python (Basics)  
**Subjects of Interest:** Machine Design, Manufacturing technology, Thermodynamics

## ACADEMIC PROJECTS

**Industry defined project:** Simultaneous Optimization of turning operation of EN 19 Steel for MRR (Material Removal Rate) and Surface finish using Taguchi Methodology and Grey Relational Analysis in association with **Windsor Machines Pvt. Ltd.**

**Study oriented projects:**

- **Refrigeration & Air Conditioning:** Improvised the solutions to make Ammonia Refrigeration Plants safer.
- **Thermodynamics:** Experimental investigation of modified desert cooler in local climatic conditions of Gujarat.
- **Advanced Manufacturing Processes:** Optimization of power consumption in drilling operation using Taguchi Methodology.
- **Manufacturing Processes:** Fabricated a Gear Box (a primitive model), performing various manufacturing operations including sheering, arc welding, drilling, milling, turning and slotting.

## INTERNSHIPS & TRAININGS

**Ford India Private Limited, SVAEP, Ahmedabad**

**22<sup>nd</sup> May 2017 – 14<sup>th</sup> July 2017**

- Project Title: Measurement System Analysis (MSA) on Wheel Alignment (Hunter) Machine at Vehicle Evaluation Center in the Quality Department.

**Diesel Locomotives, Indian Railways**

**6<sup>th</sup> June 2016 – 20<sup>th</sup> June 2016**

- Vocational Training at the Diesel Traction Training Centre, Diesel Shed, Ratlam (W.R.)
- Learnt about the WDM<sub>2</sub>, WDM<sub>3A</sub>, and WDM<sub>3D</sub> B.G. Diesel Locomotives.

**Gujarat State Fertilizers and Chemicals Limited (GSFC), Vadodara**

**18<sup>th</sup> May 2015 – 15<sup>th</sup> June 2016**

- Department: Mechanical Maintenance of Caprolactam & Nylon-6 Plants.
- Got exposure of mechanical components used in various chemical plants, including compressors, Pumps, Boilers, heat exchangers, etc. and their respective types.

## POSITIONS OF RESPONSIBILITY

**Repertus 2K16**

Events manager

**October 2016 – April 2016**

- Drafted the rulebook of all the competitions organised in the event.
- Attracted the participation of around 500 students in various events from various colleges all over India.
- Designed the brochure of the event, along with the posters for marketing of various events.
- Led the team of **25** students for smooth organisation of various competitions.

**Innovation & Kreation Club, IITRAM**

Core Member

**August 2015 – Present**

- Organized and executed various literary event likes Debates, Group Discussions, Kavi Sammelan (Poetry Reciting).
- Organized various entertainment events like Counter Strike (LAN PC Gaming), Informal Nights, Impromptu evenings.

**Training & Placement Cell, IITRAM**

Student Coordinator

**October 2016 – Present**

## EXTRA CURRICULAR ACTIVITIES

- Secured 1<sup>st</sup> position in the essay writing competition organized by the IñK Club.
- Secured 2<sup>nd</sup> position in the Inter-Collegiate Quiz Competition 2017.
- Secured 1<sup>st</sup> position in the Poster Designing Competition on National Science Day.
- Collaborated with NGOs like *Yuva Unstoppable* and *Jeevan Teerth* for social initiatives like SAFAI Abhiyan and Malnutrition Rally during Repertus 2K16.