

# Curriculum Vitae

## **Rishi Kumar Prajapati**

Assistant Professor

Mechanical Engineering Department  
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## **Academic Profile**

- M.Tech. (Production Engineering) from MITS, Gwalior in 2009
- B.E. (Mechanical Engineering) from MITS, Gwalior in 2005

## **Work Experience (15 Years)**

As an Assistant Professor in Gurukula Kangri (Deemed to be University), Haridwar from 26 October 2010 to till now.

## **Research Area**

### **Publications**

1. Rishi Kumar Prajapati "Design and Fabrication of Automatic Waste Segregation and Automatic Monitoring" International Journal Current World Environment Vol.19(3) 2024, Pg.1235-1244" An International Research Journal of Environmental Science, Enviro Research Publishers, Web of Science indexed, ISSN: 0973-4929.
2. *Rishi Kumar Prajapati* "Influence of Stress on Rolling Mill Roller" Journal of Emerging Technology & Innovative Research, Vol. 3, Issue 2, 2016, ISSN: 2349-5162.
3. *Rishi Kumar Prajapati* "MIG Arc Welding of Mild Steel 1018 by Applying Taguchi Method" Journal of Emerging Technology & Innovative Research, Vol 2, Issue 1, January 2015, ISSN: 2349-5162.
4. Kapil Mittal, *Rishi Kumar Prajapati*, "Quality Council: An Overview" International Journal of Management, IT and Engineering (IJMIE), vol. 4, Issue 12, 2014.

### **Conferences (Paper Presented & Published)**

1. Recent Trends and Advancement in Internal Combustion Engines for Sustainable Transportation at International Conferences on Next-Gen Wireless Communication and Emerging Technologies (ICNGWCET-2K25) Organized by IIMT College of Engineering Greater Noida on 26 July 2025.
2. Automation Ecosystem: An Office Robot with AI Interface in International Conference on “Automation for Sustainable Future” held at FET, GK(DU), Haridwar, Uttrakhand, India during March 7-8, 2025
3. “New Evolution in Electrochemical Machining” in International Conference on Yoga, Human Consciousness & Artificial Intelligence: In special Reference to Global Peace & Well-being Supported by Inter University Centre for Yogic Sciences, Bengaluru, organized by Department of Yogic Science, GK(DU), Haridwar from 21 to 22 October 2024”.
4. Study of Different Aerodynamics in Sedan Vehicle, National Conference on Emerging Trends in Engineering & Sciences, during November 9-10, 2013, organized by Faculty of Engineering & Technology, Gurukula Kangri Vishwavidyalaya, Haridwar.
5. An Ergonomics study of the effect of welding fumes and Ultraviolet Radiation on human performance in Arc Welding, International Conference on “Ved Vijnana & Sanskrit Mahakumbha” organized by Gurukula Kangri (DU), Haridwar.

### **Area of Interest**

- Production Engineering
- Industrial Engineering
- Workshop Practices
- Manufacturing Sciences
- Energy Resources and Management
- Universal Human Values

## **Workshops Attended**

1. Participated in one-week National Workshop on “Data Analytics Using Advanced Mathematical Tools” Organized by Department of Applied Science, Faculty of Engineering and Technology, Gurukula Kangri (Deemed to be University), Haridwar.
2. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Elementary FDP on "Manufacturing Application of Automation and Robotics" from 26/07/2021 to 30/07/2021 at Graphic Era (Deemed to be University), Dehradun.
3. Attended in One week ATAL online FDP on “Alternative Fuels: Biofuels” during September 21-26, 2020 organized by Department of Mechanical Engineering, Gurukula Kangri Deemed to be University, Haridwar.
4. Participated in National workshop on “Constructivist Lesson Planning and Teaching Strategies” during February 10-20, 2020, organized by TLC, Lal Bahadur Shastri Sanskrit Vidyapeeth, New Delhi.
5. Attended an Orientation Programme in “Empaneled Training Institutes for NSS Programme Officers”, during December 16-22, 2019, organized by Gurukula Kangri Vishwavidyalaya, Haridwar.
6. Attended in two-week National Workshop on “Research Methodology”, during 14 to 24 December, 2018 organized by Department of Yogic Science, Faculty of Health Science, Gurukula Kangri, University, Haridwar
7. Attended a STC on “Recent Trends in Automobile Engineering”, during February 29-March 04, 2016, organized by NITTTR, Chandigarh.
8. Participated in a workshop on “Scientific Computing: Theory & Practices”, October 08-13, 2012, organized by Faculty of Engineering & Technology, Gurukula Kangri Vishwavidyalaya, Haridwar.

## **Patents**

1. Patent Granted on “Method and System for Adaptive Cyber Security threatened detection” file no. 1214675.
2. Patent Granted on “Solving the Method of Water logging modern method of irrigation in agriculture with the help of drones” File no. 2022/08977.
3. Patent Published on “Fused Deposition Modeling Process and System” Application No: 202211031403 A. (July 2022)

**Book**

Supply Chain Management(G.C.S.) Publishers ISBN No.978-93-94304-93-2, October 2022,  
Hyderabad

**Membership**

Life Member, Indian Science Congress(L22514) Association from August 01, 2013

**DECLARATION**

I hereby declare that the information given above is correct to best of my knowledge.

Place:

Date:

Rishi Kumar Prajapati