

# CURRICULUM VITAE

## **Dr.PARDEEP SINGH**

Male, Indian, Born on 20<sup>th</sup> March 1984.

H.No 58-A Extension Trikuta Nagar Jammu  
180020

Mob.No. 6005889984

Email: [sethipardeepsingh@gmail.com](mailto:sethipardeepsingh@gmail.com)



**PROFILE** : Received BE degree in Mechanical Engineering from Jammu University, India Further studied in Production Engineering and received the M.Tech degree from BGIET, Sangrur Punjab, India and Phd. In Mechanical engineering from CT University, Punjab, India.

### ✓ **Research interests and expertise:**

- Have 15 years of teaching/research experience in Government college of engineering and Technology, Jammu, India.
- Published various papers in various National/International journals.
- Authored a book on “*Engineering Mechanics - Statics and Dynamics*”

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**1. SUBJECT & FIELD OF SPECIALIZATION** : Mechanical Engineering; Mechanics; Engineering Drawing, Machine Drawing & Maintenance

**2. PRESENT POSITION** : Assistant Professor  
Department of Mechanical Engineering  
Government College of Engineering & Technology, Jammu

### **3. EDUCATION:**

Qualification	Branch/Stream	University/Board	Year
B.E*	Mechanical Engineering	Jammu University	2006
MTech**	Production engineering	PTU	2014
Phd.***	Mechanical Engineering	CT University, Punjab	1st oct.2022

\* **B.EProject:** *Battery operated four wheel drive.*

\*\***M.Thesis entitled:** *Availability and Reliability analysis of Paint manufacturing Unit using Weibull Distribution.*

\*\***Phd. Thesis title:** *Investigation of Critical Component Failure and Reliability Analysis: a Case Study at Hydro Electric Power Plant*

### **4. PROFESSIONAL EXPERIENCE:**

(i) **Teaching:**

- ✓ Working as a Assistant professor in Mechanical Engineering Department at Government College of Engineering, Jammu. From 4 April 2007 to till date.
- ✓ Taught the IGNOU students for different courses DME, DCE, BTME at IGNOU Study centre 1278-P, GCET, Jammu.

**(ii) Academic activities:**

- ✓ Actively involved in Entrepreneurship Development Cell, GCET, Jammu
- ✓ Actively involved in organizing the NCEEITET 2014, 2015, 2016.
- ✓ Actively involved with the active learning methodology in engineering curriculum.
- ✓ Actively involved with Departmental Lab Development.
- ✓ Overall Mentor of departmental NBA activity.
- ✓ Project Co guide to B.E students.
- ✓ Guiding two M.Tech Students.

**(iii) Courses Taught:**

Heat Transfer, Mechanics, Engineering Graphics, Strength of material, Fluid Mechanics, Machine Drawing, etc.

**5. BOOK/CHAPTER CONTRIBUTION:**

1. Authored a book on Engineering Mechanics with **ISBN 978-93-81768-70-9**

**6. RESEARCH PUBLICATIONS:**

1. *Condition Monitoring in Industrial Maintenance Development: A Review* National ISBN: 978-93-86240-24-8 March, 2018
2. *Estimation and Evaluation of Reliability, Availability of Ball Mill in Paint Manufacturing Unit* International Journal of Scientific and Technical Advancements International ISSN: 2454-1532 Vol. 2, 2016
3. *Comparative Analysis of LPG and Petrol Operated Four Stroke Engine* ISBN: 978-93-86240-24-8 March, 2018
4. *Reliability Analysis of Various Automobile Parts of Ford 1250II Tractor under Preventive Maintenance using Weibull Distribution*, International Journal of Scientific and Technical Advancements ISSN: 2454-1532 Vol. 4, 2018
5. *Mathematical evaluation of scale factor and shape factor for reliability analysis of ball mill in paint manufacturing unit*, International Journal of Scientific and Technical Advancements, ISSN: 2454-1532 Vol. 4, 2018
6. *Wireless Machine Wear Condition Monitoring Using Zig Bee Technology*, International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE) Vol 3, Issue 1, January 2018. ISSN- (Online) 2456-1290.
7. Sustainability of maintenance management practices in hydropower plant: A conceptual framework, 2020.
8. Reliability and Availability Analysis of Hydropower Generation Units Using Weibull Distribution, 2021.

***\*\*ATTENDED VARIOUS COURSES & PARTICIPATIONS***