

**LEELADHAR RAJPUT**

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**Present Address**

Near Water Tank, Phase II,  
Ganga-Nagar, Mangla Chowk  
Bilaspur, Chhattisgarh  
Pin Code – 495001

**Permanent Address**

C/O- J.P. Rajput, P/O- Sardha,  
Block- Lormi, Distt. - Mungeli  
(Formerly Bilaspur), Chhattisgarh.  
Pin Code - 495115

**OBJECTIVE**

Seeking an exciting career as the best teacher with opportunities for career growth and to keep up with the cutting edge of the teaching technologies. By using my new realm of knowledge & my strong passion for student's development, together with skills and experience that will enable me to make significant changes in our college at national & international level.

**PROFESSIONAL SUMMARY**

- Presently, working in **Central University Bilaspur** as an **Assistant Professor** in **Industrial & Production Engineering** Department.
- **M. Tech** in **Mechanical systems Design** from **IIT Kharagpur**.
- **B.E.** in **Mechanical Engineering** from **Govt. Engg. College Bilaspur Chhattisgarh**.

**ACEDAMIC PROFILE**

<b>Degree</b>	<b>Specialization</b>	<b>Institution/school</b>	<b>Month-Year</b>	<b>Performance</b>
<b>M.Tech</b>	Mechanical Engineering (Mechanical Systems Design)	(IIT) Indian Institute of Technology Kharagpur	May -2010	9.52 (CPI)
<b>B.E</b>	Mechanical Engineering	Govt. Engg. College Bilaspur	June-2007	84.2 %
<b>Higher Secondary</b>	Science (Maths)	Maharana Pratap HSS Jhaphal Bilaspur Chhattisgarh	March-2003	87.67% (PCM)
<b>High School</b>	-----	Maharana Pratap HSS Jhaphal Bilaspur Chhattisgarh	March-2001	79.8%

## SKILL SET

- **Analysis Software:** Ansys, AVL: EXCITE
- **2D and 3D Modeling Software:** Auto Cad, CATIA V5 R18 and Pro-E (Wildfire).
- **Programming Language:** Elementary idea about C, MATLAB

## AREA OF INTEREST

- Strength of material, Theory of Machine, Vibration and Machine design, Engineering Mechanics, Engineering Drawing, Thermodynamics, RAC & Heat and Mass Transfer.

## WORK EXPERIENCE

- **Organization:** Hero MotoCorp Ltd.
- **Designation:** Deputy Manager reporting to AGM Engine Design (R&D) HOD
- **Duration:** From 1June 2010 to 8June 2013
- **Role:** Design, Modeling and Analysis of engine components.
- **Job Profile/Responsibilities:**
  - Optimize cost impact of design (value addition) and value engineering.
  - Design, layout analysis and Stress analysis.
  - Kinematics and dynamic analysis, and correlation with experimental results.
  - Release of drawings, Specs, ECN and 3D models using CATIA.
  - Problem analysis for running models.
  - Engineering Approval of local vendor design.
- **Projects:**
  1. Engine layout for scooter.
  2. Design, analysis (static & dynamic) and feasibility study of Piston & Ring.
  3. Design and Analysis of muffler.
  4. Dynamic analysis of Piston & Ring Dynamics in AVL: EXCITE
  5. Torque calculation for vertical & horizontal engine.
  6. Design, analysis & starting torque for kick assy.

## ACHIEVMENTS

1. **Gold Medalist** in Mechanical Engg. Branch in 2007 in Guru Ghasidas University.
2. Alumini Award & Certificate in B.E.Second Year in Mechanical Engg Govt Engg College Bilaspur.
3. Nova Award & Certificate in B.E.Third year in Mechanical Engg in GEC Bilaspur.
4. Awarded by Our Chief Minister Dr. Raman Singh in 2008.
5. **AIR 143 (99.23 Percentile)** in **GATE 2008** in Mechanical Engineering conducted by **IISc Bangalore**.
6. II topper in M.Tech Mechanical Systems Design in IIT Kharagpur.

## PROFESSIONAL TRAINING'S

1. **CATIA V5 R20:** 3D modelling software in Dessault System Delhi.
2. **DESIGN OF ENGINE COMPONENTS:** Design of piston, connecting rod, crank shaft , lubrication system and bearings selection.....**IIT Delhi**

## M. TECH PROJECT

- **Analysis of Nano-Stitched Laminated composite plate**

Numerical modelling of laminated composite plate using finite element analysis (FEA) done and the analytical results were compared with the Theoretical results. Laminated composites have usually poor mechanical properties and very low first ply failure load. The reinforcement is carried out by the carbon Nano tube (CNT) stitching at the interface between two plies to improve the delamination strength and to reduce the in plane crack growth rate. Analysis was performed on both stitched & unstitched laminated plate which was prepared by some manufacturing process and the effect of CNT stitching has done using FEA. It is observed that CNT stitching at the interface increases delaminated strength reduced deflection in laminated plate & increased first ply failure load (FPF) to a great extent.

## B. TECH PROJECTS

- **Design, Analysis & Working Model of Automatic Cradle**

In today's busy & competitive Indian lifestyle couple work very hard to make their livelihood. This project is dedicated to all the working couple of modern India who face difficulty to bringing up young one as a result of their busy lives. Even if the mother is not working woman our product helps her in doing domestic works effectively without much endeavors. We have modeled and developed this working automatic cradle with the use of slider crank mechanism to make its movement mechanically from rotary motion to oscillatory motion and for making it automatic we have used a voice sensor to active that device automatically. This automatic cradle is working perfectly.

## SUMMAR TRAININGS

- One Month vocational training in PRO-E software at CTTC (Central Tool Room and Training Centre – Bhubaneswar), which includes 3D Modeling; Detail Drawing and Part assembly etc.
- In-plant training in production department and project on “Manufacturing of Hand Injection Mould” in Central tool room and training centre Bhubaneswar.

## INDUSTRIAL VISIT

- Actively participated in industrial visit to **IND SYNERGY LIMITED** (Sponge & Power) **Mohapalli Kotmar, Raigarh (C.G.)** on **21.03.2006**.
- Actively participated in industrial visit to **BALCO, KORBA** on **07.03.2005**.
- Actively participated in industrial visit to **JINDAL STEEL & POWER LIMITED** Kharsiya Road **Raigarh** on **20.03.2006**
- Actively participated in industrial visit to **K.V.K.BIO-ENERGY** Janjgir Road, Near Akaltara (C.G.) on **02.10.2005**

## PERSONAL PROFILE

**Name** : Leelahar Rajput  
**Date of Birth** : 22<sup>nd</sup> Dec 1985.  
**Nationality** : Indian  
**Gender** : Male  
**Marital Status** : Married  
**Religion** : Hindu  
**Languages** : English, Hindi, Chhattisgarhi.  
**Passport No.** : H8112550  
**Permanent Address** : C/O- J.P. Rajput, P/O- Sardha,  
Block- Lormi, Distt.- Mungeli  
Chhattisgarh 495115

## REFERENCES

- |   |  |  |
|---|--|--|
| 1. Dr. M.C.Ray<br>Professor,<br>Mechanical Engineering,<br>Indian Institute of Technology<br>Kharagpur 721302<br>Ph.No.- +91 - 3222 – 282984<br>Email- mcray @ mech.iitkgp.ernet.in | 2. Dr. S.K. Roy Chowdhury<br>Professor,<br>Mechanical Engineering<br>Indian Institute of Technology<br>Kharagpur 721302<br>Ph.No.- +91 - 3222 – 282972<br>Email- skrc @ mech.iitkgp.ernet.in | 3. Dr. B.S. Chawla<br>Additional Director,<br>Directorate of technical Education<br>Govt. Of Chhattisgarh<br>Ph.No.-0771-2331330<br>Email- bschawla@cgdterapur.ac.in |
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## DECLARATION

I hereby declare that all the information provided by me in this application is factual and correct to the best of my knowledge and belief.

**Date:** 08-Aug-13  
**Place:** Bilaspur

LEELADHAR RAJPUT