

CURRICULUM VITAE

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Education:

Ph.D., “*Vibration Analysis of Thin Plates With Attached Discrete Masses And Discrete Patches*” from Institute of Technology, Banaras Hindu University (BHU), India, 2006.

Projects Executed (ICAR sponsored) :

1. Computer aided modeling of cop winding machine for jute and handloom sector.
2. To study the various factors on which the efficiency of carding machine depends.
3. Fabrication of instrument, equipment & machinery for Commercialization.
4. Biomass energy from jute waste and agro residues by briquetting and gasification.
5. Development & standardization of extraction and mechanical processing of Dhaincha fibre for producing value added diversified products.

Industrial Projects using Finite Element Software:

6. Injector Valve Stress and Sealing Analysis,
7. The concept design of the slave piston for strength and fatigue,
8. Static analysis of the revolving frame of a mechanical crawler crane,
9. SF200 Injector–Nozzle Group Sealing Analysis,
10. C27 Brake two piece Slave Pin analysis for contact, strength and fatigue

Courses Taught:

- Finite Element analysis
- Mechanics of Materials
- Engineering Mechanics
- Theory of Machines

Research Interests:

- Smart Structures, MEMS
- Structural Optimization
- Finite Element Analysis
- Dynamics, Vibration
- Acoustics

Additional Information:

- Reviewer of International Journal of *Mechanics Research Communications*
- Vice President of Children Activity Centre, ISM, Dhanbad.
- Member of Institute Management Committee for three years at NIRJAFT (ICAR), India.