

Name: Mr. Pabitra Kumar Mandal



Department: Mechanical Engineering

Contact Nos.: 9474403606

Qualifications: M. Tech.

Designation: Asstt. Prof.

Experience (Teaching / Research / Industry, in years): Teaching 11.5 Years

Date of Joining at the Present Institution: 07.01.2009

Examinations Cleared: GATE

Qualifications Summary (Reverse chronological order):

Degree	Institute	From - To	Subjects
M. Tech.	I.I.T - Kharagpur	2004 - 06	Aerospace Engineering
B.E.	Jalpaiguri Govt. Engg. College	1998 - 2003	Mechanical Engg.

Experience Summary (In chronological order):

Designation	Organization	Date From - Date To
Asstt. Prof.	BCREC	07.01.2009 - Till Date

Specialization/Research Interest: Heat Transfer

Awards & Recognitions

Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.

N.A.

Courses taught: 1. Engineering Mechanics 2. Thermodynamics 3. Advanced Manufacturing 4. Refrigeration & Air - Conditioning 5. Metrology & Measurement

B.Tech: Specify the name of the subject/s (Theory first and then practical)

Theory: 1. Engineering Mechanics 2. Physics 3. Chemistry 4. Mathematics 5. Sociology &

Civics 6. Thermodynamics 7. Fluid Mechanics 8. Strength of Materials 9. Economics & Accountancy 10. Theory of Machines 11. Production Technology 12. Machine Design 13. Heat Transfer
Practical: 1. Work Shop 2. Engineering Drawing 3. Physics Lab. 4. Chemistry Lab. 5. Fluid Mechanics Lab. 6. Thermal Lab. 7. Strength of Materials Lab. 8. Heat Transfer Lab.

M. Tech. : 1. Aerodynamics 2. Flight Mechanics 3. Aerospace Structure 4. Industrial Aerodynamics 5. Computational Fluid Dynamics 6. Finite Element Method

Online Mode of Teaching:

PPT and Google Drive

Publications:

Journal:

1. **Pabitra Kumar Mandal**, Sayantan Sengupta, Subhas Chandra Rana, Dipankar Bhanja “**Thermal Performance Improvement of a Fin-Arrayed Horizontal Heat Sink Corroborating Optimal Orientation Angle Title of the paper**”, “International Journal of Innovative Technology and Exploring Engineering (IJITEE)”, ISSN: 2278-3075, Volume-9 Issue-4, February 2020
2. **Pabitra Kumar Mandal**, Sayantan Sengupta, Subhas Chandra Rana, Dipankar Bhanja “**Experimental and numerical investigation of square heat sink having staggered and inline pin fin arrays placed at different orientation,**” Journal of Mechanical Science and Technology 35 (11) 2021, DOI 10.1007/s12206-021-1036-8

Membership of professional bodies: INDIAN SOCIETY FOR HEAT AND MASS TRANSFER (REGD.)