



Joydeb Mandal

UG Third Year, Mechanical Engineering (B.Tech.)

Indian Institute of Technology Patna.

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Objective: Aspiring for a career enriching internship in an institution which is resourceful, innovative and student friendly.

Educational Qualifications:

Education Details	Board/University	Institute	CPI/%	Year
UG (B.Tech.)(till 4 th semester)	IIT Patna	Indian Institute of Technology Patna	7.01/10	2013-(upto present)
Intermediate(+2)	Board of Intermediate Education (A.P Board)	Sri Chaitanya Junior Kalasala	96.6%	2012-2013
Matriculation	ICSE	St. Ann's School	85%	2010-2011

Topics of Interest:

- Solid Mechanics
- Thermodynamics
- Heat and Mass Transfer
- Material Science

Technical Skills:

- Programming Languages: C, C++, Java, Matlab
- Design and CAE Software: AutoCad, PTC-Creo, Ansys, Catia.
- Others :MS-Office, Fast typing
- Lab and Workshop Experience: CNC-Lathe, CNC-Mill, Rapid Prototyping, Wire-EDM, Ultrasonic Milling , Welding, Universal Testing Machine, etc.

Projects Undertaken:

- **Energy generation System:**(Guide: Dr. Probir Saha)
Development of an energy system that works underground.
Using the principles of fluid mechanics it generates electricity by utilizing energy of moving vehicles.
Worked in a group of 5 students.
Software used: Autocad, Ansys
- **Turbine Film Cooling:**(Guide: Dr. Manabendra Pathak)(on-going)

Study of Turbine film cooling.

Improving different parameters of film cooling

Worked in a group of 3 students

Software used: Ansys and AutoCad

- ***Hydraulic arm:***

Fabricated an arm that lifts any object.

Worked in a group of 4 students.

Extracurricular Activities:

- Participated in Counterstrike and NFS MW of “Anwesha”, and winner of NFS MW.
- Active participant of quiz and debate competitions.

Declaration: I hereby declare that all the information given above is true to the best of my knowledge.

(Joydeb Mandal)