

PRAJJVAL VERMA

Bachelor of Technology (3rd year)

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Department of Mechanical Engineering

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Indian Institute of Technology Patna

Languages- Fluent in English and Hindi

Address : I-3/3,Renupower Colony,Renusagar,Sonebhadra,U.P. , India,231218

OBJECTIVE

Looking for a summer internship in order to explore my interests so that I can contribute better to the success of the project and develop new skills and have an all round exhaustive learning experience.

EDUCATION

Under graduation- Indian Institute of Technology Patna

DEGREE	DEPARTMENT	CGPA	CREDITS COMPLETED	DURATION
B.Tech	Mechanical Engineering	6.99/10	189/373	2013-2017

Schooling

GRADE	OBTAINED MARKS	YEAR OF PASSING	BOARD
X	CGPA- 10/10	2011	C.B.S.E.
XII	94.2%	2013	C.B.S.E.
.1% Merit Certificate in Physics from C.B.S.E.			

INTERESTS

- Heat transfer
- Tribology
- Robotics

INTERSHIPS/RESEARCH EXPERIENCE

HINDALCO Pvt. Ltd. (Summer internship)

(Renusagar,Sonebhadra)

Guide- Mr. R.K. Srivastava(Sr. General Manager)

(May-June 2015)

- Overview of Thermal Power Plant.
- Boiler analysis, operation and calculations.

PROJECTS UNDERTAKEN

QUADROTOR PROJECT

(Patna, Bihar) (Jan-May 2014)

- Worked on design and control mechanism of the prototype.
- Worked on modelling of the dynamics and kinematics of quadrotor's motion.

HEX SAW PROTOTYPE

(Patna, Bihar) (Feb-Apr 2015)

- Designed and manufactured a working prototype of a human powered hex saw based on planet gear mechanism to increase the efficiency.

CRUSHER FOR RURAL AREAS

(Patna, Bihar) (Sep 2015)

- Working on design and fabrication of a working prototype of a spice crusher for rural areas.

HYDRAULIC ARM

(Patna, Bihar) (Sep 2013)

- Designed a hydraulic arm for a college level competition.

RESEARCH PROJECT ON ELECTROMAGNETICALLY INDUCED TRANSPARENCY

(Patna, Bihar) (May 2015-)

- Currently researching on EIT with an aim of finding materials which can slow speed of light drastically.

LEADERSHIP

- Worked for Sponsorship Team, Anwesha-14(Techno-Cultural fest, IIT Patna).
- Organized an event (Beg, Borrow and Steal) in Anwesha-14 and Anwesha-15.

SKILLS

Experience with Machines

- CNC milling and lathe, Lathe machine, Grinding machine, Power Drill, laser Cutting Machine, Optical Micro Scopes, Hydraulic Press, Ultra Sonic Machine, WEDM and Welding Machines.

Software Skills

- Softwares- SolidWorks, Ansys, Autocad,MS-Office, Pro-e.
- Programming Skills- C, C++, Java, MATLAB

Co-curricular activities

- Guitar - Can play acoustic and electric guitar. Lead guitarist of my band which gave several performances.
- Soccer and Cricket.