



VIKAS KUMAR YADAV

4th Year B.Tech

Mechanical Engineering Department

IIT Patna

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D.O.B: Jan 05, 1996

Education:

Degree	Institute	Year/Duration	CPI/%
B. Tech, Mechanical Engineering	Indian Institute of Technology , Patna	2012-2016	8.74/10(up to 6 th sem.)
Senior Secondary School (Intermediate)	L.F.C.S, Mau	2012	90.0%
Secondary School	J.N.V, MAU	2010	9.6/10

Experience:

Tata Steel, Jamshedpur(Summer Internship)

April 2015-June 2015

- Undergone summer internship at pellet plant, have done study of pellet plant working .Performed delay data analysis of pellet plant to identify main factors contributing to delay in GPB section of plant and suggested improvement that can rectify the problem.

DLW, Varanasi, India (Vocational Training)

May 2014-June 2014

- Explored various conventional and non-conventional manufacturing process in HMS,LMS ,HWS,LFS workshop at DLW. Acquired practical knowledge of manufacturing of camshafts and connecting rod for diesel locomotives.

Projects:

Modal and thermal analysis of PCB (B.Tech Project)

- Working on modal and thermal loading analysis of PCB under guidance of Dr. Akhilendra Singh using FEA.

Fabrication of All Terrain Vehicle(ATV) for Baja SAEINDIA-2015(Team Project)

Mar 2014-Feb2015

- Worked in coordination with team of 24 members. Design manager at Engine &Transmission Department. Used analytical model to analyze powertrain characteristics, efficiency, Couplings, gearbox calculation etc. Successfully manufactured the vehicle and participated in final round. .

Design analysis of driveshaft (Individual Project)

Autumn 2014

- Manually performed the static, fatigue and vibrational design analysis under guidance of Dr. Mayank Tiwari.

Fabrication of a fixture for CO₂ laser machine(Team Project)

Spring 2014

- Fabricated a fixture to properly align metal sheets for laser machining utilizing different manufacturing facilities available in institute workshop under guidance of Dr. Probir saha.

Skills:

- Software skills:** Autocad ,Matlab,Solidworks, Ansys
- Programming language:** C,JAVA(OOPS).

Activities:

- Got 2nd rank for robotic competition (Wall-E) at College Technical fest CELESTA-2013.
- Member ,Rural Technology Development Club(RTDC) and SCME club.
- Previous member of bharat scout and guide in J.N.V Mau.