PURSOUTTAM PRASAD RAM
B.Tech, Mechanical Engineering **Date of Birth-13/12/1994**
Undergraduate (5th Semester) **Roll no-1301ME34**
Indian Institute of Technology, Patna **Contact +91-7549152023**
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TOPICS OF INTEREST

- Fluid Mechanics
- Heat and Mass Transfer
- Thermodynamics
- Automobile Engineering

EDUCATIONAL QUALIFICATION

Educational Qualification	Year	Board/Degree	Institute	CGPA/CPI/%
UG(until 4th semester)	2013-15	B.Tech	IIT Patna	7.57
A.I.S.S.C.E. (Intermediate)	2013	C.B.S.E	J.N.V. Kottayam	85.8
A.I.S.S.E. (Matriculation)	2011	C.B.S.E	J.N.V. Durgapur	10

EXTRA-CURRICULAR ACHIEVEMENTS

- Worked as volunteer for CELESTA (Technical event of IIT PATNA).
- Active member of SAE and SCME collegiate club.
- Member of SAEINDIA (membership no: 7140222779).
- Organizer of Technical event of ANWESHA (Techno-Cultural fest of IIT PATNA).
- Member of Team SUPRA IIT Patna for SAE SUPRA-2015.
- Member of DAAN (Dakshana Alumni Network).

ACADEMIC PROJECTS

- **SUPRA SAE INDIA** **July 14 to Present**
  Faculty Adviser – Dr. Manabendra Pathak (Assistant Professor, Mechanical Engineering, IIT Patna)
  It is an exciting competition which presents the Engineering students with a challenging task of designing, simulating and modeling a formula type race car. In SUPRA 2015 I was a part of Team SUPRA IIT Patna and mainly involved in the manufacturing process which involved assembling of different automobile parts such as suspension, engine and steering. In SUPRA 2016 I am involved in the analysis and design of the steering system of our car. Analysis of steering parts is being done by finite element analysis in Ansys.

- **ADJUSTABLE UNIFIED WHEEL OPENER** **Jan 15 to Apr 15**
  Guided by – Dr. P.Saha (Assistant Professor, Mechanical Engineering, IIT Patna)
  It is a special purpose tool made to open/close all the nuts of a wheel in one time with less effort. The main objective is to develop a single tool with multiple mechanisms which can be used during assembling and dismantling of wheels in Automobiles. Bevel gears were used for

transmitting power between non parallel intersecting shafts and adjustable arms were used to adjust the opener at any distance from center.

- **HYDRAULIC ARM PROJECT**
  Designed and fabricated a Hydraulic arm and participated in the CELESTA and won the event. It basically works in the principle of Pascal's law.

SCHOLASTIC ACHIEVEMENTS

- Awarded CBSE Merit Certificate for highest CGPA
- Got scholarship on the basis of merit by Indian Railways.

TECHNICAL SKILLS

Application Software:

- AutoCAD
- Solidworks
- Adams
- Ansys
- Pro-E
- Mat lab

Programming languages: C, C++, Java

Machinery Operations:

- 3-D Printing
- Laser cutting
- Lathe & Milling
- DAQ systems
- Different testing operations(UTM, Torsion testing, Hardness testing)
- WEDM
- Welding & Casting

RELEVENT COURSES UNDERTAKEN

- Engineering Mechanics
- Solid Mechanics
- Thermodynamics
- Fluid Mechnaics-1,2
- Engineering Materials
- Advanced Solid Mechanics
- Manufacturing process-1
- Mechanical Measurements
- Design of Machine Elements
- Kinematics of Machinery
- Heat and Mass Transfer
- Applied Thermodynamics-1

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge as of September 2015

Pursouttam Prasad Ram