

RAHUL KUMAR

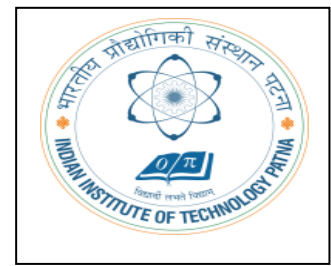
B.Tech (3rd year), Department Of Mechanical Engineering

Indian Institute of Technology Patna

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EDUCATION

Under-graduation: Indian Institute Of Technology, Patna.

DEGREE	DEPARTMENT	CGPA	BATCH RANK	DURATION
B.Tech	Mechanical Engineering	8.89/10	2 nd	2013-2017

Schooling: S.S.S.V. Inter College, Faizabad, Uttar Pradesh

Class	PERCENTAGE	BATCH-RANK	YEAR OF PASSING	STATE/BOARD
X	77.34%	6th	2010	Uttar Pradesh Board
XII	85.4%	1st, 5 th (District rank)	2012	Uttar Pradesh Board

AMBITION

➤ In search of an opportunity to gain more knowledge, learn new skills and improve existing skills, In an institution; which is capable, pioneering, well-organized and resourceful for my objective

WORK EXPERIENCE

Winter Internship 2014 : **Automotive Development Internship(A.D.I)**

- Attended the ADI program organized by Ezenith Education Ltd and held in Sinhgad College of Engineering, Pune. And this program was about the development of the IC Engine. I did assembly and disassembly of the petrol and Diesel Engine and get exposed of different component of engine. And I also did a small group Project on IC engine which was about to develop a sport bike engine.

MAJOR INTEREST

- Machine Design: Theory and application
- Thermodynamic:(Steady flow devices, steam power plant, Heat pump, Refrigerator, Air-Conditioning)
- Advanced Manufacturing processes.
- Solid Mechanics

ACADEMIC PROJECTS UNDERTAKEN

SAEINDIA SUPRA (2015-2016) Guide : Dr. Manbendra Pathak (Department of Mechanical Engineering IIT Patna)

- Successfully cleared the presentation round being a member of SAE SUPRA IIT PATNA team which aims to fabricate a racing car for the main event. I worked mainly on Brakes system and wheels & Tyre.
- Successfully manufactured first racing car of our college and participated in the main event

RECIPROCATING PUMP (Mar-Apr 2015 under Dr. Probir Saha(Department of Mechanical Engineering IIT Patna)

- Using several manufacturing machines available in our institute; manufactured a reciprocating pump which can solve the water logging Problem specially in villages.

HYDRAULIC ARM (under the SCME(Student Council of Mechanical Engineering) club IIT Patna)

- Designed and Manufactured a hydraulic arm for a competition organized by SCME club IIT Patna in which we secured 5th rank among 22 teams.

LINE-FOLLOWER AND OBSTACLE DETECTING BOT

- Made a line-follower and obstacle Detecting bot using Arduino.

DEVICE TO MONITOR THE HEALTH STATUS Guide: Dr.Papiya Raj

- Proposed a device that can monitor your health status periodically.

TECHNICAL UNDERSTANDING

- Machine designing software : Solid-Works, AutoCAD and Pro-E.
- Programming Skills : C, JAVA (OOPS), MATLAB, Arduino.
- Analysis Software : ANSYS, Adams

LEADERSHIP AND POSITIONS OF AUTHORITY

Technical Head of SCME club of IIT Patna

- Promoting and developing SCME(Student Council of Mechanical Engineering) club of IIT Patna and organizing many event under SCME club

Representative of Brake and tyre department for SAEINDIA SUPRA(2015-2016)

- Represented our SUPRA team in virtual round for SAEINDIA SUPRA 2016

Organizer and Volunteer for a technical event in ANWESHA(Techno-Cultural fest of IIT Patna)

- Worked as volunteer for a technical event in ANWESHA 2014 and was a organizer for a technical event in ANWESHA 2015