



SHIVENDU SHEKHAR SHRIVASTAVA
INDIAN INSTITUTE OF TECHNOLOGY ,PATNA

B.TECH, MECHANICAL ENGINEERING Roll no. : 1201ME28
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Academic Qualification

INDIAN INSTITUTE OF TECHNOLOGY,PATNA

B.TECH UG COURSE	SEMESTER-1	SEMESTER-2	SEMESTER-3	SEMESTER-4	SEMESTER- 5	SEMESTER-6
SPI	9.33	9.09	8.51	9.45	8.73	9.91
CPI	9.33	9.22	8.98	9.10	9.02	9.16

Cumulative Performance Index: 9.16

VIVEKANAND SCHOOL, ANAND VIHAR, DELHI-92

Class X: CBSE BOARD: 92.6%

Class XII: CBSE BOARD: 87.6%

Scholastic Achievements

- Awarded "HONOUR CODE CERTIFICATE" in online course on "AE1110x: Introduction to Aeronautical Engineering" by "DELFT UNIVERSITY OF TECHNOLOGY" using "edX"
- Awarded "DISTINCTION" in online course on "From the Big Bang to Dark Energy" by "UNIVERSITY OF TOKYO".
- Awarded "HONOUR CODE CERTIFICATE" in online course on "FPP.1x: Financial Programming and Policies, Part 1:Macroeconomics Accounts and Analysis" by "International Monetary Fund" using "edX"
- Awarded "STATEMENT OF ACCOMPLISHMENT" in online course on "Model Thinking" by "UNIVERSITY OF MICHIGAN" using "COURSERA".

Research experience and Internship

MITACS GLOBALINK RESEARCH INTERNSHIP,CANADA

May-July 2015

Under Dr. MARK TACHIE,UNIVERSITY OF MANITOBA, CANADA

- Carried out a project "TURBULENT CHARACTERISTICS OF TWIN SURFACE JETS INFLUNCED BY DIFFERENT RECTANGULAR NOZZLE ORIENTATIONS" under Dr.Mark Tachie , analysing the effects of twin jet configuration resulting from different orientations of Rectangular nozzles on 3D surface jets using Particle Image Velocimetry technique.
- Selected through a Higly Competetive selection procedure to carry out fully sponsored research in Canadian universities through MITACS GRI programme.

IAS-NASI-NSA SUMMER RESEACH FELLOWSHIP PROGRAM 2014

May-July 2014

Under Dr. AMIT AGRAWAL, INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY

- Carried out a project "PARTICLE IMAGE VELOCIMETRY EXPERIMENTS ON FLOW PAST IMMERSED BODIES" under Dr.Amit Agrawal , analysing the flow fields in the wake of the immersed bodies.
- Among 400 selected students All Over India for a Paid Resesach Intern.

Projects Undertaken

SUPRA -SAE INDIA

Faculty Advisor: Dr. Manbendra Pathak, Indian Institute of Technology ,Patna

- "Team leader" TEAM SUPRA IIT PATNA for SUPRA 2015. RANKED 54TH in virtual round ALL OVER INDIA in SUPRA 2015. RANKED 21ST in virtual round ALL OVER INDIA in SUPRA 2014.
- Designing and fabrication of a "F1 car" for SUPRA, an event organised by SAE INDIA.

STIRLING ENGINE

Under Dr. Probir Saha, Indian Institue of Technology,Patna

- Designed and fabricated a Stirling Engine which works on priciples of Heat transfer

DEVISING FORCE MEASURING DEVICE

- Designed an "Innovative" device for measuring the force on a pedal using electromagnetism. AWARDED 2nd prize for devising the device.

HOVERCRAFT

- Designed and manufactured a "HOVERCRAFT" using principles of fluid dynamics.

OTHER MINOR PROJECTS- Under SCME**Hydraulic Arm****Robosoccer****All Terrain Vehicle (ATV)****Technical Skills****SOFTWARE SKILLS**

- **SOFTWARES :- AUTOCAD,SOLIDWORKS**
- **PROGRAMMING :- MATLAB, C , JAVA(OOPS)**

MACHINE EXPERIENCE

- **CNC LATHE, CNC MILLING,POWER DRILL ,GRINDING MACHINE, ,MIG WELDING,ARC WELDING**
- **LASER CUTTING,RAPID PROTOTYPING MACHINES,ULTRASONIC MACHINING**

Positions of Responsibility

- **“SECRETARY” –SAE INDIA IIT PATNA COLLEGIATE CLUB**
- **“ORGANISER”--TECH-EVENT & “ORGANISER”--MANAGEMENT-EVENT at “CELESTA’13” IIT Patna**
- **ACTIVE ORGANISING MEMBER OF SCME CLUB AT IIT PATNA**