

Anant Vashistha

B.Tech. Production and Industrial Engineering
Indian Institute of Technology
Mechanical and Industrial Department
UG (II Year II Semester)



Areas of Interest

Supply Chain Management, Probability & Statistics, Business analytics, Thermodynamics

Education

Class / Year	Examination	Institution	C.G.P.A/Percentage	Passing Year
2 nd year	B.Tech. 3 rd sem	Indian Institute of Technology, Roorkee	9.104	2016
12 th	C.B.S.E Board	Kendriya Vidyalaya No.1	95.2%	2015
10 th	C.B.S.E Board	Kendriya Vidyalaya No.1	10	2013

Awards / Scholarships / Scholastic Achievements

- Awarded NTSE (National Talent Search Examination) scholarship 2013.
- Secured International Rank 4 and State Rank 1 in International Olympiad of Mathematics 2015 conducted by MOF.
- Got appreciation letter from Ex-H.R.D Minister Smt. Smriti Zubin Irani.
- Selected in Regional Mathematics Olympiad (R.M.O) conducted by Homi Bhabha.
- Secured State rank 14 in STSE (State Talent Search Examination) – 2015.
- In C.B.S.E merit in class 10th and in K.V.S merit in class 10th and 12th.
- Received Certificate for “Most Dedicated Worker” in N.S.S.

Internships

Ashok Leyland, Hosur Unit-I

(December 2016)

Training effectiveness of newly established Skill Development Centre

- Worked with the Ashok Leyland assistant and staff writers to write procedures and making flowcharts of tightening exercise of nuts and bolts and edit text.
- Assisted in collecting data to standardize the process using repeatability and reproducibility.
- Helped to achieve the walking speed of 3mils/hr and suggested the idea of speed sensor.

Projects and Trainings

Tunnel Fire Experiment

(July 2016 - Ongoing)

- Room fire study and temperature & velocity distribution inside the room, Automatic door opening system on the spread of fire.
- Performed advanced simulations on tunnel fires on pyrosim.
- Designing a tunnel and showing the smoke flow in both case natural as well as forced ventilation.

Analysis of Stresses in Connecting Rod

(July 2016 – Nov 2016)

- Designing of CAD model on Solidworks.
- Analysis of stresses in connecting rod on ANSYS workbench.
- Optimization of design by reducing stresses using Finite element method.

Techienest Institute

(May 2016 – June 2016)

Summer Industrial Training Programme (S.I.T.P) of **Embedded C and Robotics**. I worked on A.V.R Studio 4. Minor Projects that I worked on are as follows:

- Traffic Light System
- Fire Safety System by Message transfer through G.S.M
- Line follower Robot, Wall follower Robot, R.F.I.D and Receiver & Transmitter

Robotic Band

(August 2016 – March 2017)

- Designing of a mechanism of playing a Guitar, Synth, Drum and flute through robot.
- Developed design on Solidworks and then used 3D printing for building 3D model.

Skills

- C& C++ (basic), Embedded C and Robotics (AVR Studio 4), Pyrosim, Solid works, Ms Office (Excel, Word, Ppt).
- Language known: English(SRW) & Hindi(SRW)

Positions of Responsibility

Voluntary Primary School Teacher - N.S.S

- Devoted around 60 hrs of work in N.S.S in 1 year and taught a number of students aspiring of Navodaya Vidyalaya, 1 student also got selected in it.
- Taught students who can't afford study, outside the campus (around 10 km far away from the campus) and also became a part of mission “Swach Bharat Abhiyan”.

Executive Mechanical Engineer - M.A.R.S

- “Models and Robotics Section” is one of the most exclusive and most respected technical groups at IIT Roorkee. This is the centre of innovation in the areas of robotics and my team had developed a robotic band and continued to push the frontiers of technology.

References:

Dr. Manish Mishra

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Dr. K.B. Mishra

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