Prashant Raigar

Curriculum Vitae

Third Year Undergraduate
Aerospace Engineering
Indian Institute of Technology Kanpur
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Education

2018 - currently	**Bachelor Of Technology(BT) in Aerospace Engineering**, *Indian Institute of Technology, Kanpur*, CPI- 6.71/10.
2017	**Class XII(CBSE)**, *RSV HR. Sec School Bikaner*, 76.5 percent.
2015	**Class X(RBSE)**, *Star Track Sr. Sec. School Bikaner*, 80.83 percent.

Achievements

Secured All India Rank 19163 in IIT-JEE Advanced 2018(0.16 million students gave this exam)

Secured All India Rank 33353 in JEE Main 2018(over 1.2 million students gave this exam)

Abstract titled "Preliminary Detection of Pulmonary Diseases" was submitted for poster presentation at The Fourth Paradigm Conference, held at the Indian Institute of Science Education and Research Bhopal from 27-30th January, 2020

Projects

May 2019 July 2019	**E-Wall**, *Electronics Club, IIT Kanpur*. For the project under guidance of Electronics club my team successfully developed a touch sensitive low cost device. Using change in capacitance principal, It can behave like a touch-pad.it was recognized for it's low cost development and awarded Most Implemented Project.
Jan 2021 May 2021	**Aerial Image Stitching**, *Instructor – Dr. Indranil Saha, Department of Computer Science Engineering(Course Project)*. Worked in a team of 2 to build a Program which takes Images from Multiple drones simulated in Airsim and Stitch them in real time

Competitions

Flipkart Grid 2.0 (2020).
Successfully completed first technical quiz round.Engineered design for Intelligent Picking Robot for the competition Flipkart Grid 2.0- Robotics Challenge

InterIIT Techmeet (Tech for Change) (2019).
Worked with team of 9 and developed a Respiration Rate measuring device which worked, with an App which was for Preliminary Detection of Pulmonary Diseases and Won Silver medal for this.

Technical Skills

Languages	C, C++, Python(Pandas, Numpy, Matplotlib, Pygame, OpenCV), HTML, Processing, Arduino Programming
Software and Tools	LabView, MATLAB, Autodesk Inventor 2020, Autodesk Mechanical 2020, MS Office, Adobe Photoshop CC, Latex

Relevant Coursework

Maths and Computer Science	Introduction to C programming, Mathematics I, Mathematics II,Complex Variables , Introduction to cyber physical system
Engineering and Physics	Introduction to Electronics , Introduction To Aerospace Structure, Mechanics,Incompressible Aerodynamics, Molecular Gas Dynamics, Thermodynamics, Mechanics Of Solid, Fluid Mechanics And Rate Process, Dynamics, Compressible Aerodynamics
HSS	Communication Skills,Application Of Psychology to Life , Introduction To Linguistics

Position of Responsibility

Aug 2019 April 2020	**Secretary (Operations)**, *Electronics Club, IIT Kanpur.* Mentored many freshers in several workshops and projects organized by the club.Managed around 30 students in inter-hall Science and Technology competition.
May 2019 July 2020	**Manager (Events)** , *Techkriti'21, IIT Kanpur.* Contacted more than 120 colleges from different cities of India to convince them to participate.Worked in a 10 member team to host and manage 300+ students taking part in multiple virtual competitions.
Aug 2019 Oct 2019	**Senior Executive (Dramatics)** , *Antragani'19, IIT Kanpur.* Assisted team for successful execution of multiple dramatics competitions with more than 300+ participants in 4-day fest.

Miscellaneous

Electromania, *Takneek 2018.*
Participated and won first position.

Tae-kwon-do (events), *Udghosh 2018.*
Worked as a volunteer.