

Tanishq Upmanu

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EDUCATION

K.V No 1 Jhansi cantt

Intermediate/ secondary studies

Jhansi, India

2018-2021

- Currently studying in class 10, scored 92% in 9 grades, in charge of ATL Lab, former house captain. Class monitor (2019-2022)
- Created multiple innovative projects alongside teaching and mentoring students.
- ATL lab in charge for 3 years.
- Teach 200+ students in academic years

WORK EXPERIENCE

Kaizel Tech

Founder & Chief executive officer (CEO)

- Created the initial work plan and project documentation, formulated a team of 10+ members alongside doing financial planning.
- Developed an EMP-based drone as the first line product alongside cofounders. And illustrated its working to the technical team and later assigned them with specific advancement works.
- Handled the financial and managerial aspects of the company Budgeted the monetary needs and allocated them accordingly, and marketed it into raising INR 40,000 as seed fund for prototype development, also facilitated patent process.
- Showcased the project in multiple events including BKU where we got allocated to the top grant receivers list (pending) and got appreciated and awarded by the dean and judges.
- Founded kaizel tech as a tech and drone-based startup alongside 2 co-founders, Helped in project development, and design. Etc.

Skillintra

Coordinator & teacher

Skillintra Team is devoted to developing skill sets that aim to bridge the skill demand of the corporate world and leaves no stone unturned to make sure the graceful functioning of the Skillintra skill development method. Meanwhile, various skill camps, seminars, and mentorship programs are conducted in parallel with one-on-one counseling for the betterment of the learners' facing difficulties during learning. Skillintra connects the right talent to the right industry via projects. The corporates float projects and the students all over the globe can send the proposal. The corporate has the authority to screen the proposals and conduct interviews to award the project to the selected student groups. We aim to make the learners self-reliant after graduation with skill sets that enhance them employability and meet corporate expectations.

Nasa Herc

Technical lead and lead designer

The members of Indian Astro Mascots have been designing a vehicle to present in the NASA Human Exploration Rover Challenge. The objective of this challenge is to design and build a human-powered rover capable of traversing challenging terrains through a half-mile course. The project is being developed under The Good Human Being Foundation working towards enabling a STEM mindset in India.

PROJECTS

Plastic destroying plant — A better, safe, and beneficial solution for plastic disposal in the laboratory is being thought of for years. We also tried a better way to dispose of HDPE plastic with the additional advantage of getting new Inflammable mixtures having superior qualities to petrol.

Used a special method to destroy/decompose Plastic

Plasma Engine — Plasma thrusters are highly efficient once in space, but do nothing to offset the orbit expense of chemical rockets.

A new method of transportation in space

EMP Drone — We have made a prototype of a drone that uses Electromagnetic pulse (EMP) to temporarily disable electrical circuits and then can be used to destruct the target. EMP-based drones have not yet been developed by any other country for military purposes which makes our product the very first in this sector. The prototype cost us INR 40,000 which we built from scratch into the final product. This was exhibited in the Vigyan Bharti exhibition conducted by the Bundelkhand University where we ranked first among high schoolers and undergrads. Our prototype was successful to disable different devices like alarm bells, oscilloscopes, multimeters, a smartphone, and an unweaponized bomb replica and we are moving forward to disable defense radars, bombs, and arms vehicles, etc.

ACHIEVEMENTS & HONORS

- Qualified for Continental qualifiers in Breakthrough Junior Challenge
- Featured in Maker Mela by IIT Bombay, 2020
- Three times National Winner at Jawaharlal Nehru National Science, Mathematics and Environment Exhibition (JNNSMEE) -2017, 2018, 2019 National
- Winner at NCSC-2017, 2018, 2019
- State Winner at JNNSMEE 2017, 2018, 2019.
- Winner at prototype modeling of plasma engines, conducted by ISRO-2019
- Winner for Inspire Awards State Level-2021
- Silver medalist in Indian Grassland and Fodder Research Institute
- Selected as top 200 students in Children Innovation Festival
- Winner at Bundelkhand university Jhansi, at Vigyan Bharti
- Winner at Bundelkhand Institute of Engineering and Technology (BIET) Tech Fest
- Winner at inovanza 3.0 at BIET 2022