



# IGDTUW – ANVESHAN FOUNDATION

IGDTUW Campus, Kashmere Gate, Delhi-110006  
Business Incubator Promoted by  
INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

## 1. WORKSHOP ON FLY HIGH: DIY DRONES USING 3D PRINTING

Through this workshop students have gained skills which are necessary for UAV /Avionic industry along with introduction to additive manufacturing and rapid prototyping techniques. Students have been able to use these skills to make their own projects, expressing their ideas and innovating methods for building new use cases in the field of Drones. The students who have been able to make innovative projects can build on the knowledge acquired and carry out their further research. This knowledge has opened up a new area for exploration and technology development. The event was attended by more than 400 participants.

### Trainer's Background:

The trainer – Mr Harshit is a mechanical engineer currently working as a production engineer in vivo smart phones India Pvt. Ltd, Noida. He is also a consultant in drone industry and has rich experience in drone technology. He has been associated with many startups working in drone industry on projects like VTOL hybrid UAV systems, 3d mapping of terrains using drones, surveillance UAVs etc.



*Mr. Harshit*



## IGDTUW Anveshan Foundation (in association with GiZ India)



Implemented by  
**giz**  
German Cooperation  
DEUTSCHE ZUSAMMENARBEIT

### is conducting a comprehensive workshop on **Fly High : DIY Drones using 3D Printing** Followed by a **DEMO DAY**

#### Program Includes

Detailed Training | Hands-on Workshop | Specialized Mentorship Sessions | Demo Day  
Pre-incubation & Incubation facilities at Anveshan Foundation

#### Awards

Awards for First, Second and Third Positions (Rankers) | Also five consolation prizes

#### Important Dates

Program Duration: February 20 – March 27 2021 (40 hours)

Demo Day: March 27 2021 (Saturday)

Announcement of Result: March 27 2021

All the students will be awarded a 'Certificate of Participation'.  
Award winning participants will be provided 'Certificate of Appreciation'

Any queries could be directed to Mr. Rahul Sachdeva, Dy. Manager; Email:- [rahulsachdeva@igdtuw.ac.in](mailto:rahulsachdeva@igdtuw.ac.in)

No Registration Fee | Registration Link:- <https://forms.gle/SAaCkfzAh92oJL1x7>

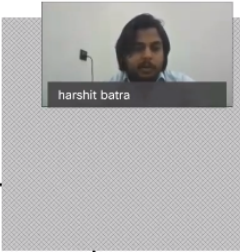
Website:- <http://www.anveshanfoundation.org> | University Website:- <http://www.igdtuw.ac.in>

The screenshot shows a Jamboard titled "Jamboard 1: Innovation" with several sticky notes defining innovation. The notes include:

- Innovation flows from invention, innovation is converting creative ideas into desired products/outputs.**
- Thinking something out of the box - Komal Sangwan**
- Sukrit Sharma: Innovation is creating something better out of something that already exists, like iPhone or macbooks from box like computers.**
- Its a new idea usually in a tangible form. -Apoorva**
- A new and original idea of doing something -Preksha**
- Innovation is a way to discover new ways and methods of doing something. -Shikha Patwa**
- practical implementation of our imagination -deepal**
- Introduction of something new- new idea ,new method or device. NISHU**
- Shivika Sachdeva: INNOVATION is making use of already existing single ideas to make something Creative and useful. Often the source innovative ideas are visible but unnoticed.**
- idea, creativity which can be used to design something useful. -NIDHI**
- Innovation is something you innovate or create by using your own ideas and introducing new things/ Shikha**
- ideas that can revolutionize our life**

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# Types of UAVs



Fixed Wing Aircrafts



Multirotors



VTOL Hybrid Aircrafts

*Harshit Batra*