Bal Bharati PUBLIC SCHOOL
Sector -21, Noida

WEBINAR ON AERIAL ROBOTICS- A REPORT

The pandemic may restrict us indoors but it cannot dampen our spirits to dabble with new things, pick up new hobbies and learn something new….

Keeping in mind the individual traits, interests and needs of the children, a webinar on "Aerial Robotics- Current and Future Technology" was conducted for the students of Classes VIII to XII on 27th August,2021 from1:00-2:00 pm. Mr Soumitra Dey, Mentor of Change, Atal innovation Mission was the guest speaker.

Robotics is an interdisciplinary research between computer Science and engineering to design intelligent machines that can help and assist humans in their day-to-day lives and keep everyone safe.

Mr Dey explained about the Aerodynamics and the basic concepts involved in working of drones. Aerodynamics is the way air moves around things. Bernoulli principle is the fundamental principle of aerodynamics. There are two types of drones, i.e

Based on aero dynamics: It includes fix wings, rotary wings, flapping wings and multi-rotor.

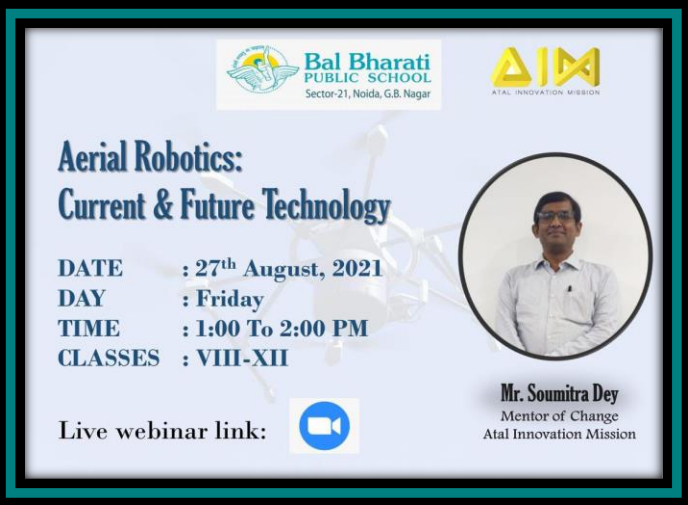
Based on landing: HTOL and is VTOL

Further, he also explained about the different sensors used in drones i.e gyroscope sensor, accelerometer, GPS , speed and distance sensor, infrared and thermal sensors, image sensors, chemical sensors etc.

He briefed the students about the DGCA rules to be followed for key regulations of Drone usage.

The session ended with a Question-Answer round with the students in which students enquired about the courses available in various universities and its scope across the globe.

Ms Kamna Joshi, the teacher emcee proposed the vote of thanks.



GLIMPSES OF THE WEBINAR

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PGT- Physics