

HELIKX INNOVATION LABORATORY

OBJECTIVE:

To promote research activities among students and faculty as well as to provide a robust platform for sharing and implementing innovative and creative ideas.

Helikx innovation lab was started on June 2019. Our main goal is to help, support and motivate students to achieve their innovations. And also we are working to develop new products.

In our lab students are provided with materials from all streams like **physics, chemistry, electronics, Automation** etc.,

Specially we have **3D printer, Aero modelling, Drones, arduino microcontroller, robotics, sensors, necessary chemicals, electrical devices, electronics modules** etc.,

We are providing students a continuous support through training programmes that reiterate the philosophy and methodology of each products on every Saturdays.

Presently we are tie up with **Propeller Technologies Research And Development Pvt. Ltd.** they are giving training classes for students once in a month about new technologies and innovations to make them inspired.

Activities so far...

- Made low cost **Water Sensor** and installed in our school campus to save water.
- Made a **Mathematical Themed Analogue Clock** and installed in our campus for students to learn simple mathematical calculations.
- Students have worked with **Simple Circuits & Wirings** like water sensor, touch sensors and two way switch connections.
- We made a **2D plotter** to understand the working principle of 3D printer.
- We made an **Electronic Vote Counting Machine** using arduino microcontroller for the purpose of school elections.
- We are working with **LI-FI** technology for next level wireless communication.
- Students have made **crafts** using ice sticks, straws & waste materials.

In our lab we are working with new projects & making something different for our students, so they can learn about new things everyday. Students enjoy learning new things and they are falling in love with science.

*We are here to help the kids to achieve their dreams.
They are special for us & we are giving special to them.*