

Talent has no age bar. Master **Tanishk Upmanu**, Class-9 student from Kendriya Vidyalaya No.1 Jhansi Cantt. has proved this. In Atal Tinkering Lab, K.V.1 Jhansi under the funding of NITI AAYOG, Govt. of India, recognizable innovation work is going on under the expert and skilled guidance of Incharge **Mrs.RanjnaUpadhyaya**, PGT Chemistry.

During COVID-19 pandemic a lot has been done to maintain social distancing and sanitization. But Master Tanishk Upmanu and his project guide Mrs.Ranjna Upadhyaya thought technological solution to such problems.

As a result Master Tanishk Upmanu came up with his two innovative projects Social Distancing Smart Glasses and Smart Watch, for which the boy has been invited to express his views on Honourable Prime Minister's "MANN KI BAAT" forum.

The projects are selected by TINKER INDIA, a forum to promote such talented students. Print media and electronic media also recognized the projects at state level. The details of projects are as under:

#### **COVID-19 SMART HAND SANITIZING WATCH –**

The watch has an ultra sonic sensor which detects any object using ultrasonic sound. The data is converted into digital signal and activate the servo motor. Servo mover then starts moving. There is aspecial light on the top of the servo which sanitize any object using UV light in just 10 seconds .

This project helps people to sanitize any object without using sanitizer and disinfectant spray The main objective of this project is to find a cheap and efficient way to sanitize any object, surface, hands

#### **COVID-19 SMART SOCIAL DISTANCE MAINTAINING GLASSES**

These glasses have an ultrasonic sensor which sense any object which come near this device. It transmits Ultrasonic sound wave which reflects and came to the receiver of the sensor. Then the analog signal isconverted into digital signal using Arduino UNO and activate the LED.

The person now has to go to safe placeand deactivate the LED.

This project can help to maintain the social distancing and stop the spread of covid-19.

Both these projects are promoted by TINKERINDIA on National International Level.

