

Walchand Institute of Technology, Solapur

WIT-Institution's Innovation Council

22/05/2022

Report on Demo Day (Presentation of Prototypes based on Innovative Ideas)

The Walchand Institute of Technology consistently encourages students to build prototype supporting their innovative ideas. The support is provided in the form of technical guidance and providing electronic components to build prototype and model.

In this year also different electronic components like sensors (temperature, vibration, proximity, humidity, light intensity, pressure, and many physical parameters), rapid prototype development boards (Arduino, Raspberry Pi-4, Node MCU, ESP 32 and ARM), Motors (DC, Servo, Stepper motors) and displays (LED, 7 segment, LCD displays) are provided without any charges to build prototype based on innovative idea.

On 22nd May 2022, demonstration of prototypes based on innovative ideas is arranged in the project lab of Electronics Department. On this day total 20 prototypes based on ideas were demonstrated and they were evaluated by Dr. V. A. Athavale (Principal), Dr. S. R. Gengaje (Head, Electronics), Dr. A. V. Thalange (Head ETC), Prof. R. N. Chavan and Prof. P. P. Tambe. Following products were demonstrated by the students-

Group No	Name of Product
1	Smart blind stick
2	Arm Exerciser
3	Smart gardening
4	Smart charging controller
5	Anti-sleep alarm
6	Pet Feeder
7	Fall detection
8	Visitor's record
9	Smart Energy Control for faculty cabin
10	Smart safety helmet for mining workers
11	Sanitizer robot
12	Password (pin) based circuit breaker
13	Humidifier for vegetable
14	Alert system for LPG gas cylinder
15	Colour sorting machine using
16	Power factor meter
17	Milk fat detection
18	Smart container for kitchen
19	Water Quality Monitoring System
20	Real Time Face Mask Detector

Guidance session was arranged after the demonstration & evaluation on viability of the product undertaken, empathy study and market segment for above mentioned products. Tips are also extended to participant students in opportunities in startups for demonstrated products.

