

TITLE OF ACTIVITY: Over Under Voltage Protection of Electrical Appliances



SDG Description: 7,9,12

Venue: NUTech University

Mode: Physical

Date: July-August 2024

Duration: One Month

Brief Explanation of the Activity:

The Over and Under Voltage Protection of Electrical Appliances program addresses the critical need for safeguarding household and commercial electrical appliances from voltage irregularities. Voltage fluctuations, especially those exceeding or dropping below safe operational levels, can damage sensitive equipment, decrease appliance lifespan, and pose safety hazards. This program is dedicated to developing a sophisticated protection mechanism that monitors voltage levels in real time, detects deviations from safe thresholds, and automatically disconnects appliances when necessary. By enhancing appliance longevity and reducing maintenance costs, this innovation contributes significantly to household safety, energy efficiency, and sustainability.

Pictorial Evidence:

