

TITLE OF ACTIVITY: Smart IOT based Agriculture System

SDG Description: 1, 2, 3, 4

(Logo)



Venue: Electrical Engineering Department NUTech

Mode: Physical

Date: One year activity conducted during 2024

Duration: One Year

Brief Explanation of the Activity:

In the agriculture sector it is crucial for ensuring food security, environmental protection and economic viability. To achieve these sustainability goals iot in smart agriculture system presents an innovative approach. To collect real time data smart agriculture system, use network of sensors like soil moisture, temperature, and humidity. Data is transmitted to the platform where machine algorithms process the data and provide actionable insights. This Technology can make, Farmers can make informed decisions on irrigation, fertilization and pest control. Furthermore, this system supports remote monitoring and control thus reducing labor cost and improving operational efficiency. The proposed system improves productivity and promote economic stability. In conclusion, the IoT based smart agriculture system represent significant advancement in tracking of sustainable agriculture and economic stability.

Pictorial Evidence:

