

# “IOT & it’s Applications”

Department Of Electronics Conducted Guest Lecture On “IOT & It’s Applications” On 19-04-2024.

## PARTICIPANTS:

Staff and Students of S.D.M. Siddhartha Mahila Kalasala, Vijayawada.

## RESOURCE PERSON:

P. Samba Shiva Rao, H.O.D ,P B. Siddhartha arts & science college, Vijayawada

## Description of the Programme:

As a part of this guest lecture students has gained knowledge about how the Internet of Things (IOT) connects everyday objects, like home appliances and industrial machines, to the internet, allowing them to collect, share, and analyze data. It includes smart homes with automated devices, healthcare with wearable health monitors, industrial automation for predictive maintenance, agriculture with precision farming tools, and smart cities that optimize traffic and resource management. It also includes security vulnerabilities, data privacy issues, and the need for device interoperability. Despite these hurdles, IOT continues to enhance efficiency, reduce costs, and improve quality of life across various sectors.

