



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)



UNIT-V- Zig Bee, GPS, Wi-Fi

Zig Bee



Zigbee:

- Purpose:** Zigbee is a wireless communication standard designed for short-range, low-power digital radios. It is commonly used in applications such as home automation, industrial control, and sensor networks.
- Characteristics:** Zigbee operates on the IEEE 802.15.4 standard and is characterized by low data rates, low power consumption, and relatively short communication distances. It is suitable for devices that need to communicate wirelessly over short ranges while conserving battery power.



GPS



GPS (Global Positioning System):

- **Purpose:** GPS is a satellite-based navigation system that provides location and time information in all weather conditions anywhere on or near the Earth where there is an unobstructed line of sight to four or more GPS satellites.
- **Characteristics:** GPS receivers use signals from multiple satellites to triangulate and determine the user's precise location. It has widespread applications in navigation, mapping, surveying, and various location-based services.



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THANK YOU