



SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

19EET304/ IOT FOR ELECTRICAL SCIENCES

III YEAR VI SEM

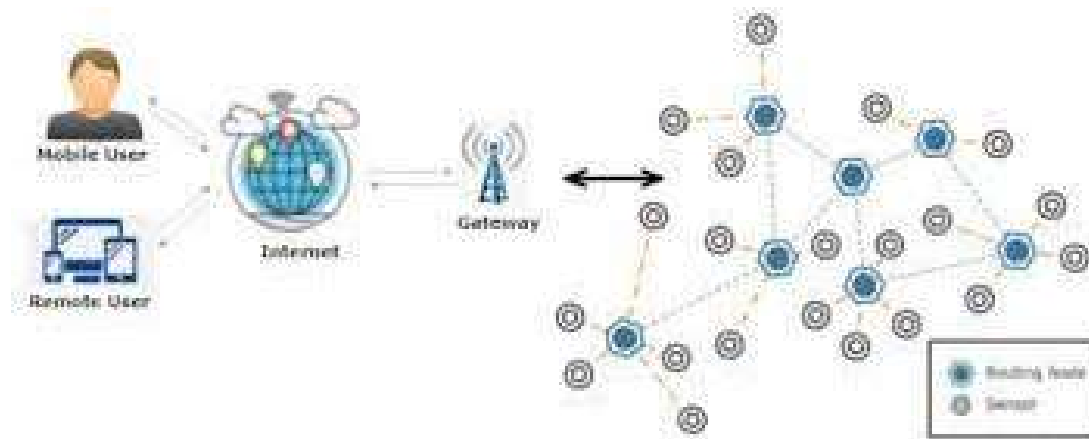
UNIT 5 – IOT IMPLEMENTATIONS

TOPIC 3 – Recent trends in sensor network



Consider an example,

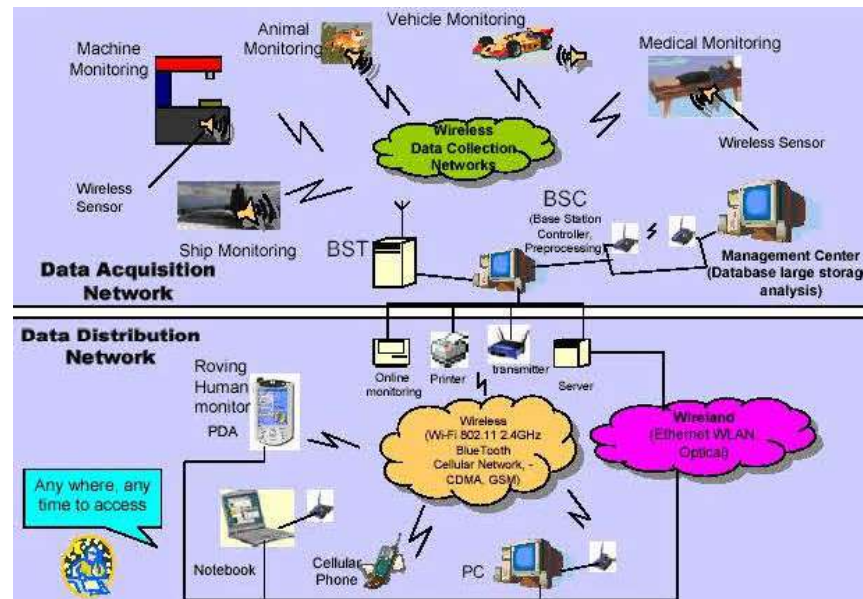
Explain the process





What are Wireless Sensor Networks (WSNs)?

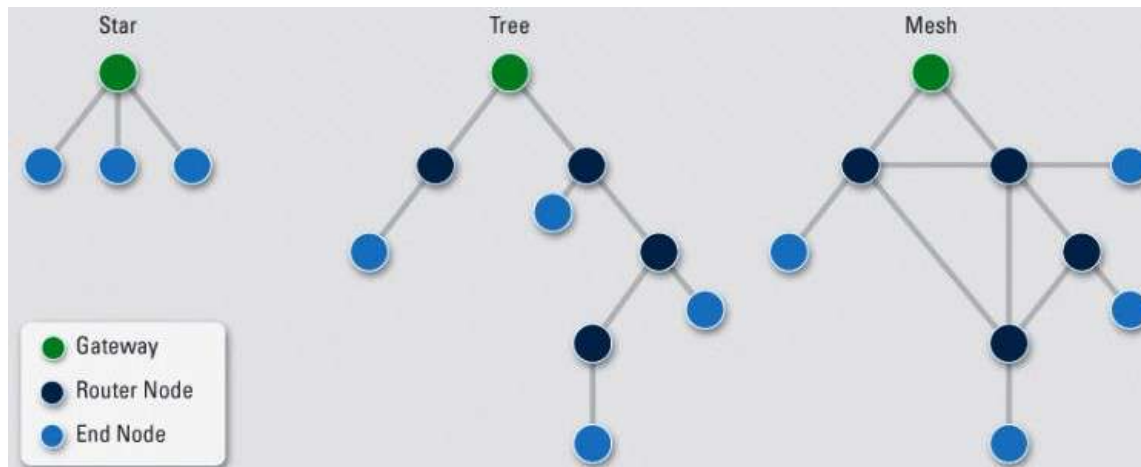
A Wireless sensor network can be defined as a network of devices that can communicate the information gathered from a monitored field through wireless links. The data is forwarded through multiple nodes, and with a gateway, the data is connected to other networks like wireless Ethernet.





WSN Network Topologies

For radio communication networks, the structure of a WSN includes various topologies like the ones given below.





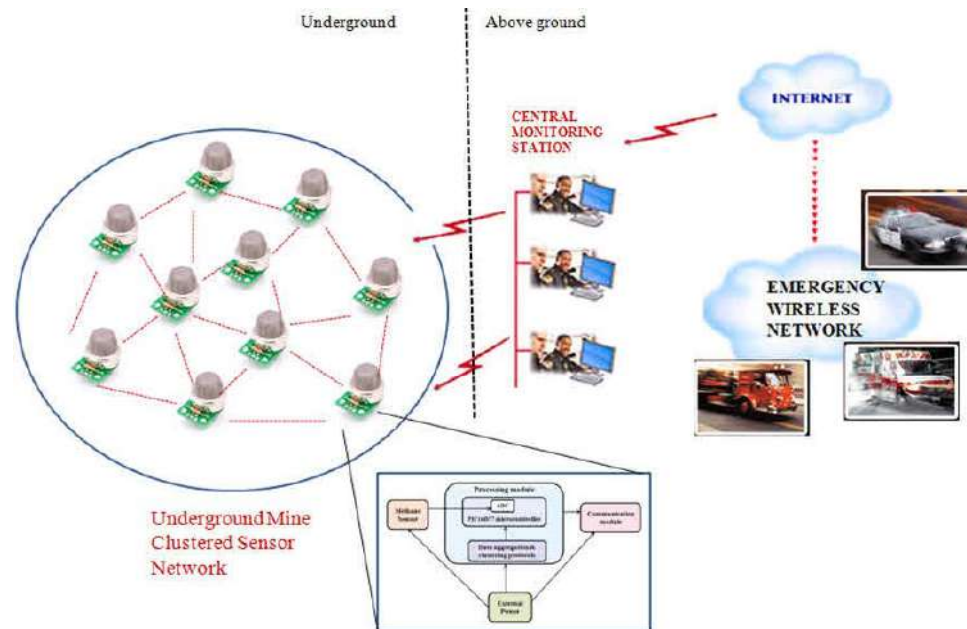
Types of Wireless Sensor Networks

Depending on the environment, the types of networks are decided so that those can be deployed underwater, underground, on land, and so on. Different types of WSNs include:

- Terrestrial WSNs
- Underground WSNs
- Underwater WSNs
- Multimedia WSNs
- Mobile WSNs

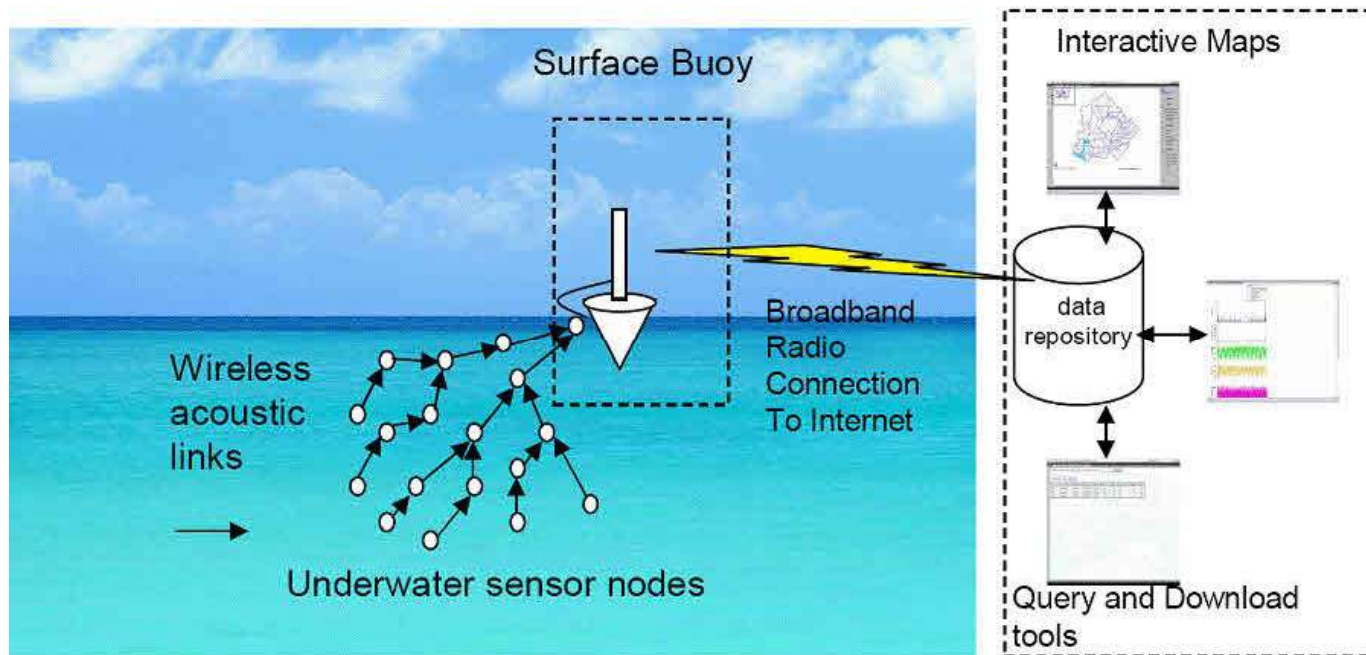


Underground WSNs



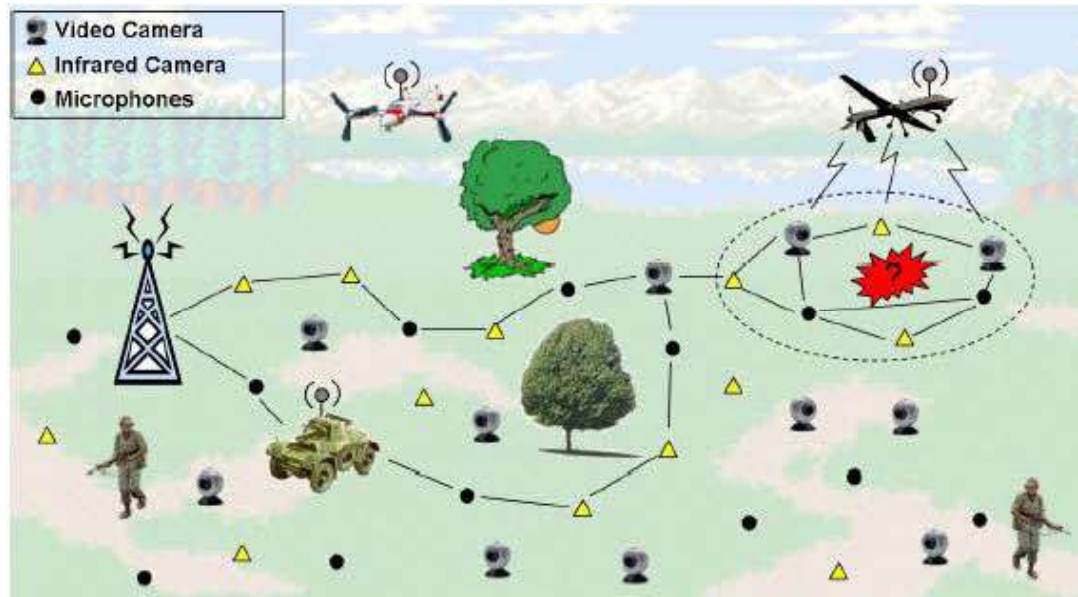


Under Water WSNs





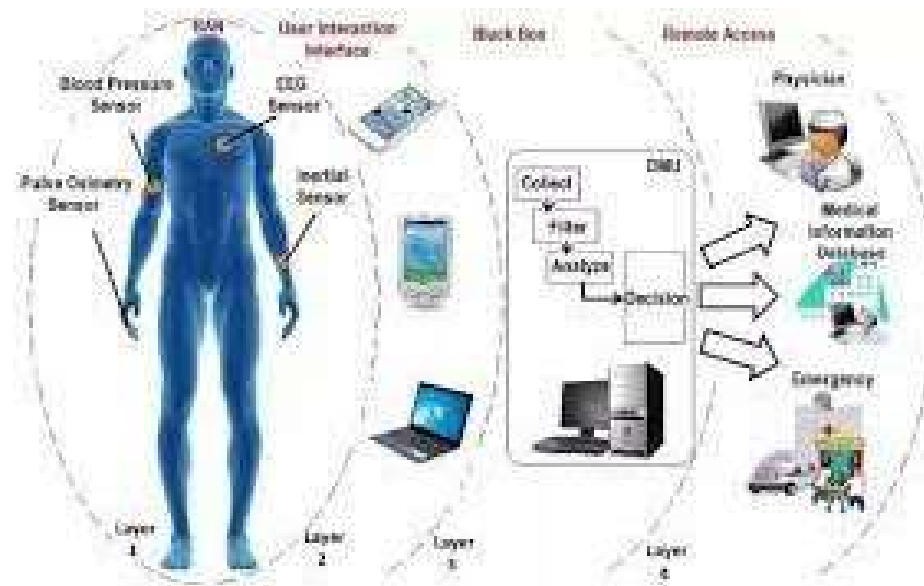
Multimedia WSNs





ASSESSMENT

Find the Process





References

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- <https://journals.sagepub.com/doi/full/10.1155/2014/912574>
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- <https://www.emerald.com/insight/content/doi/10.1108/SR-08-2014-683/full/html>



Thank You