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

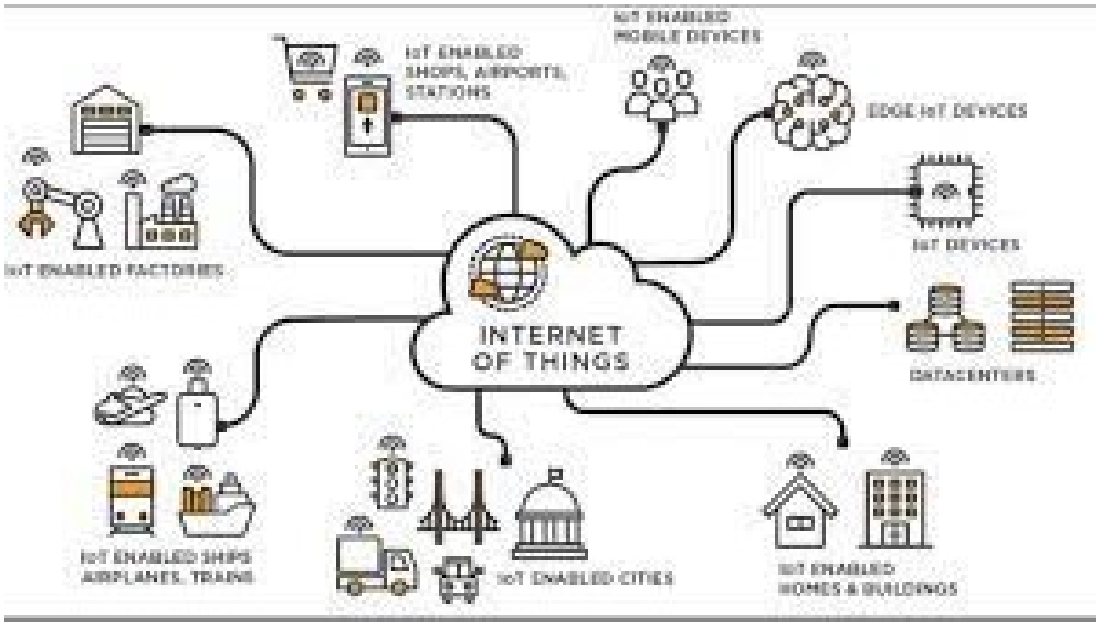
III YEAR VI SEM

UNIT 5 – IOT IMPLEMENTATIONS

TOPIC 1 – Smart Grid & IoT

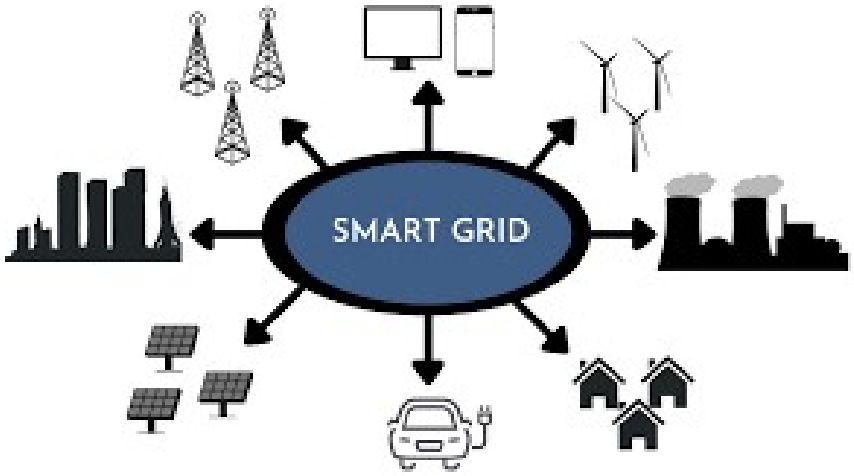
Consider an example,

Explain the process



What is a smart grid in Internet of Things?

Smart grids are electrical grids that involve the same transmission lines, transformers, and substations as a traditional power grid. What sets them apart is that Smart Grids involve IoT devices that can communicate with each other and with the consumers.



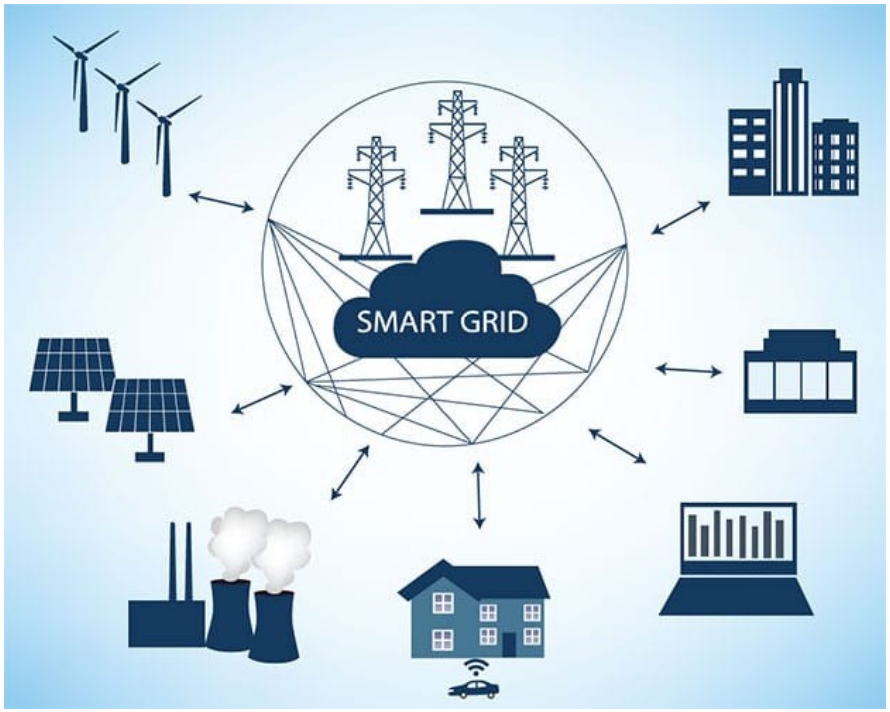
Smart Grid in Action

ASSESSMENT - 1

How its working

Smart Cities Are Adopting Smart Grid Technology

How Smart Cities Are Adopting Smart Grid Technology

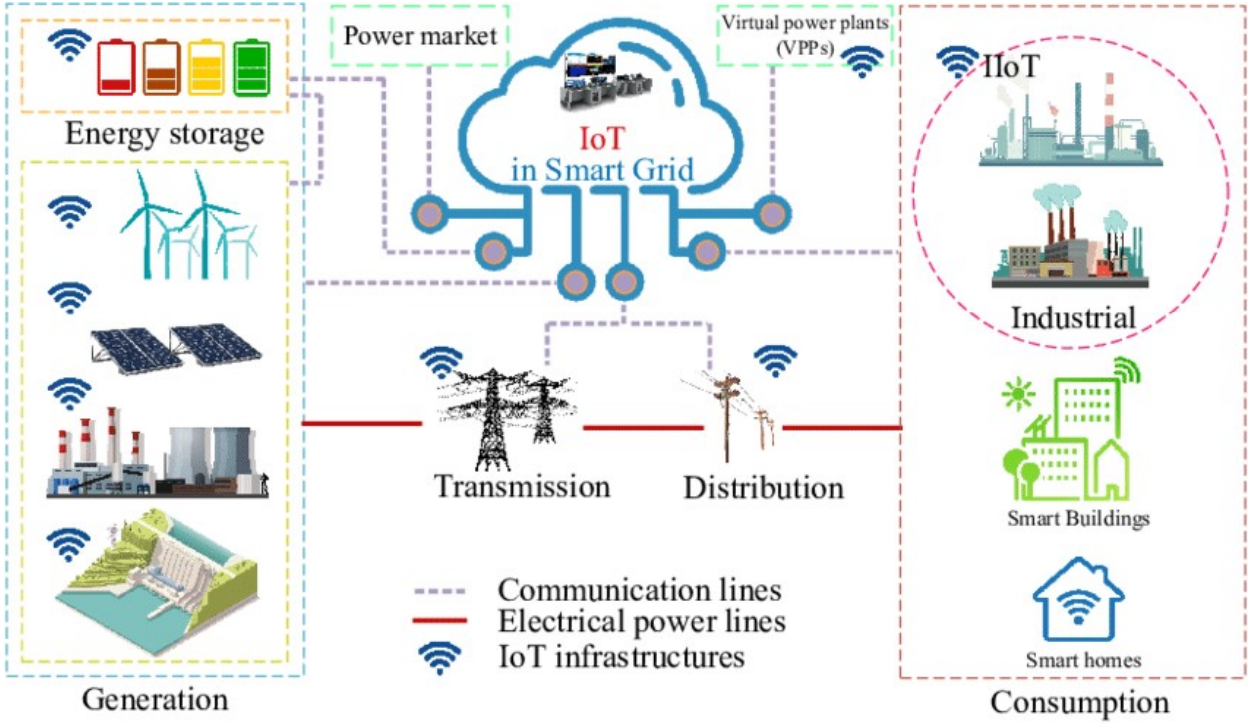


Applications

- Street lighting
- Transmission lines
- Substations
- Cogeneration
- Outage sensors
- Early detection (e.g., power disturbances due to earthquakes and extreme weather)

ASSESSMENT – 2

Find the Process



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Thank You