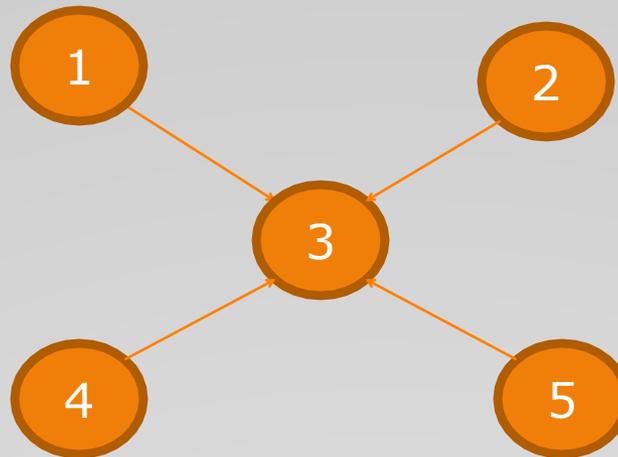


**Amit Chaturvedi**

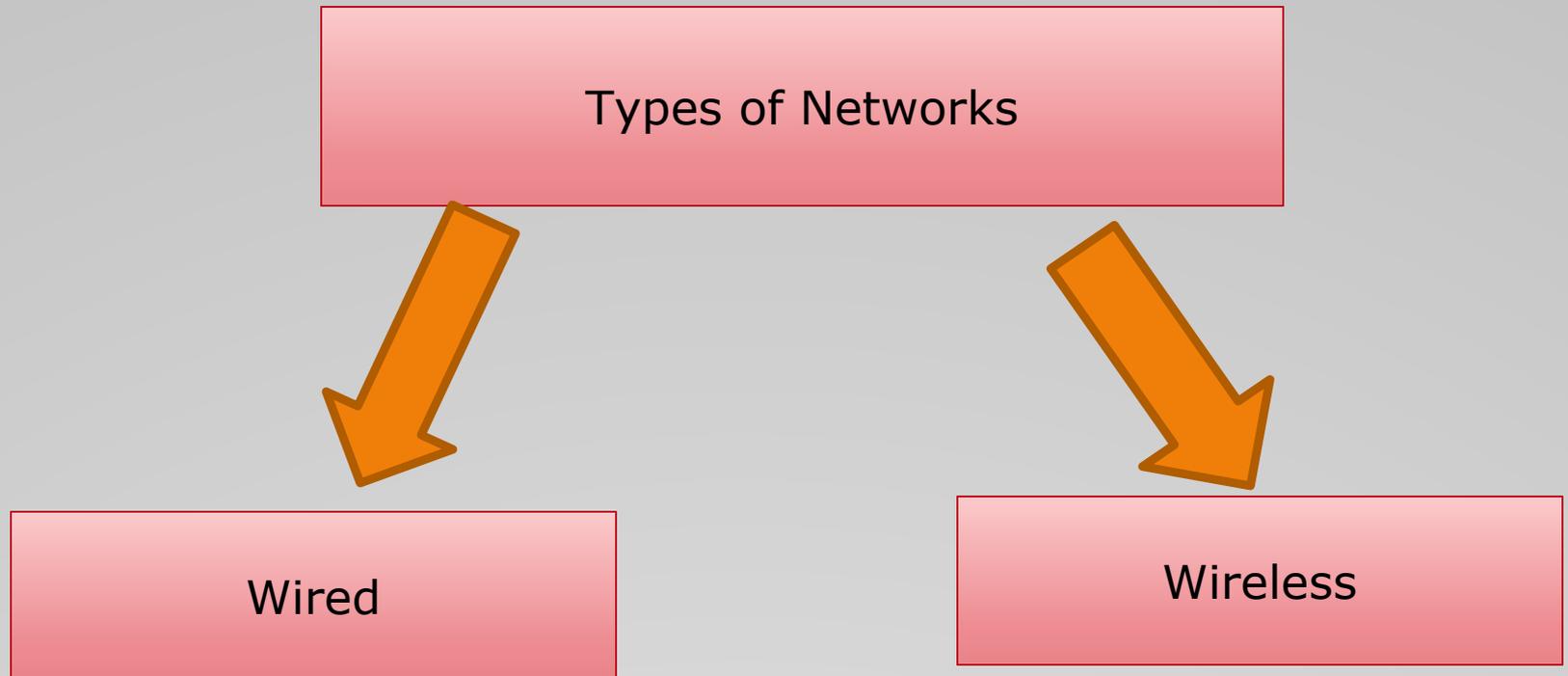
**Department of  
Computer Science Engineering  
Jiwaji University, Gwalior(M.P.)**

# What is Network

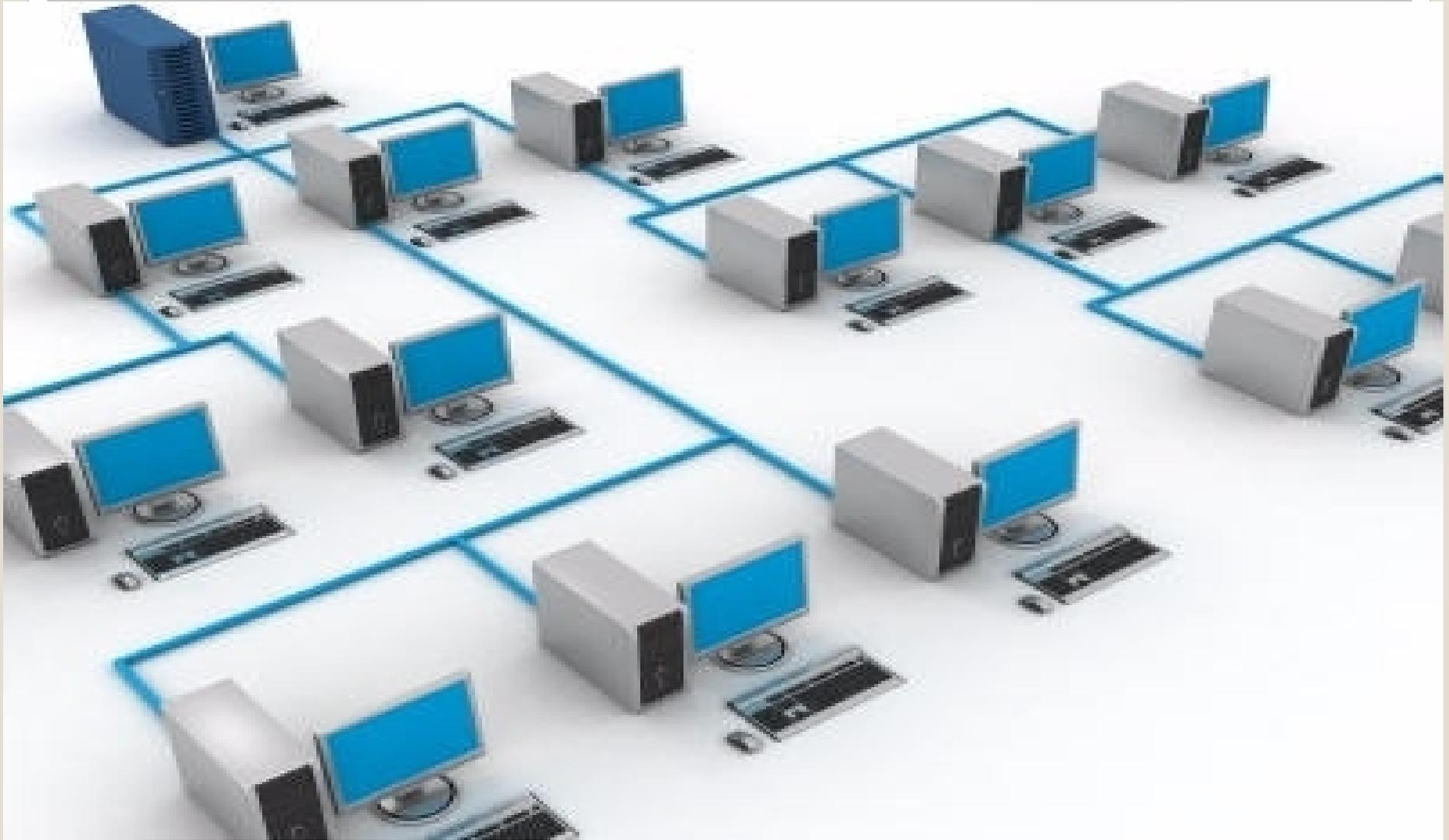
Network is a collection of autonomous computer and other devices interconnected by communication channel



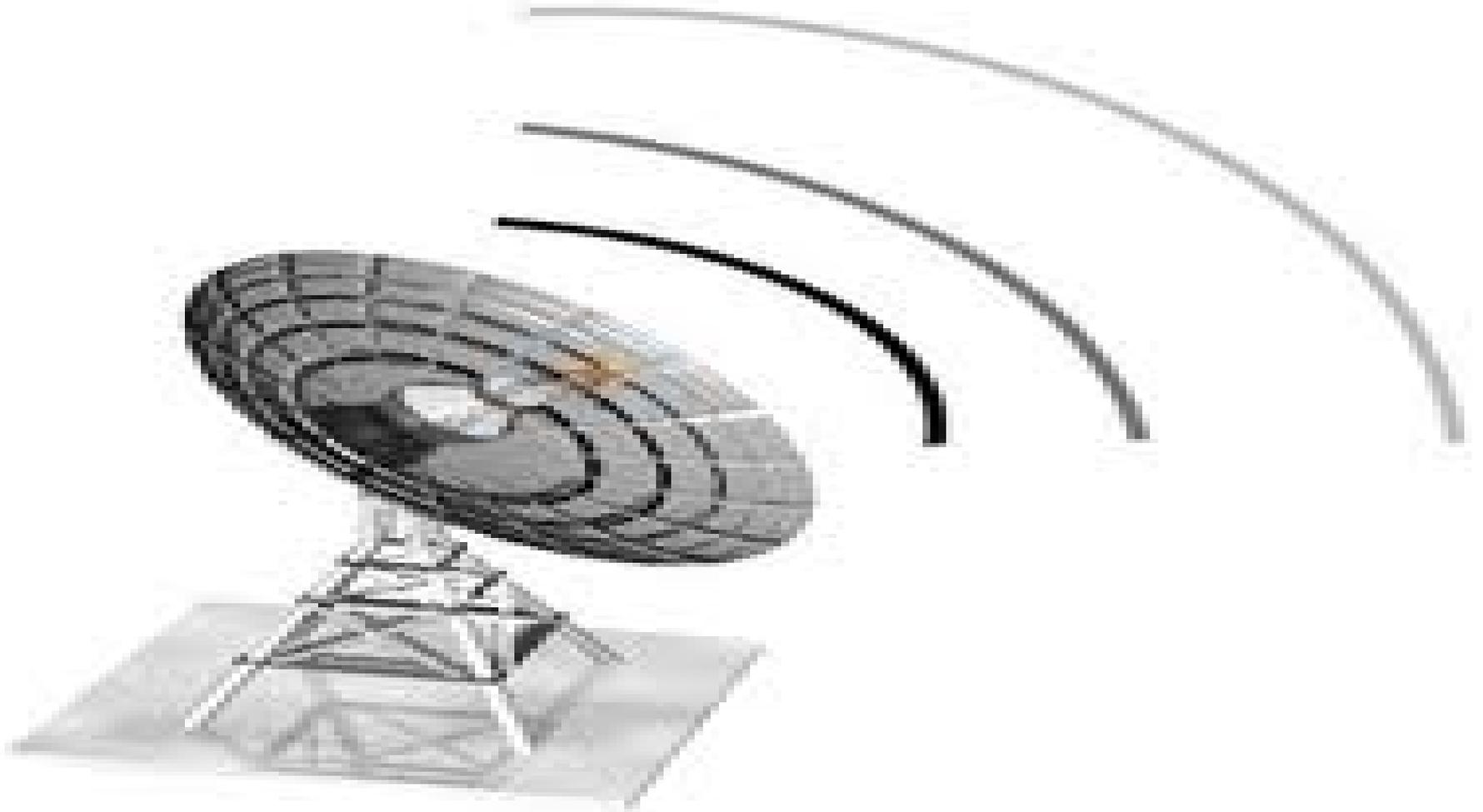
# Introduction



**Cont..**



**Cont..**



**Cont..**

Wireless Networks

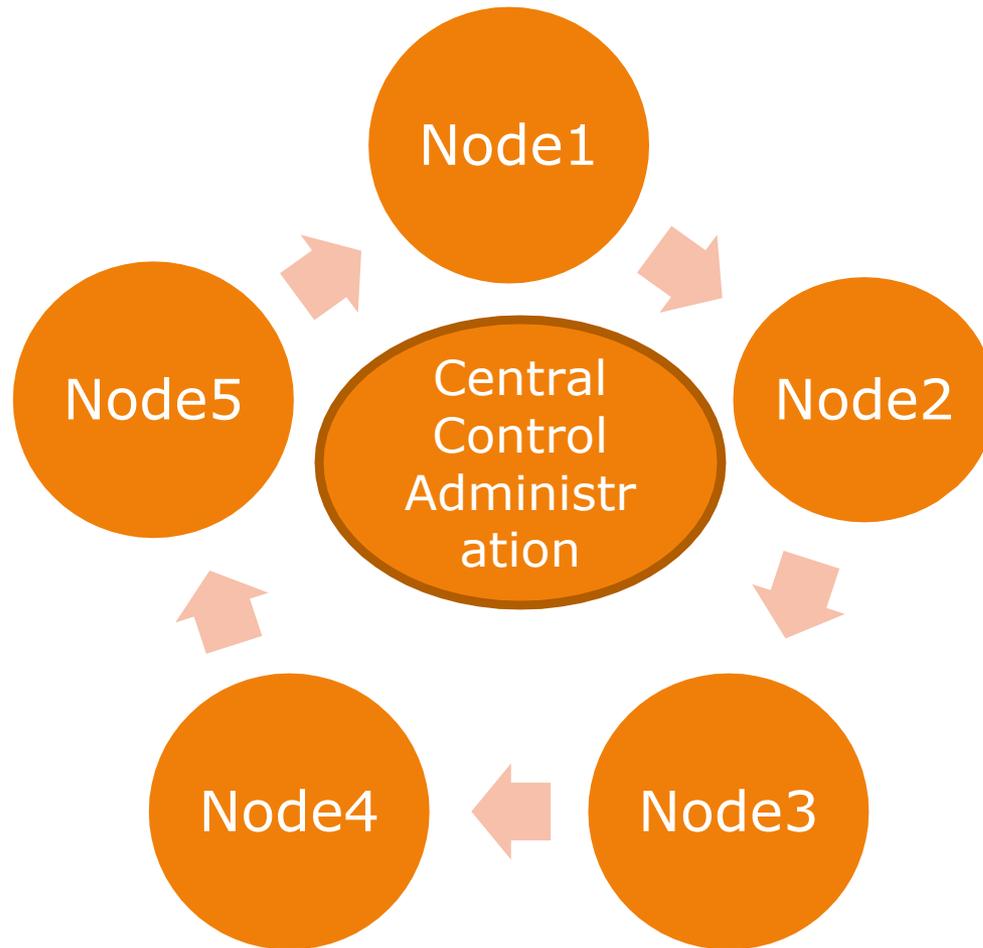
```
graph TD; A[Wireless Networks] --> B[Infrastructure Less]; A --> C[Infrastructure Based];
```

The diagram consists of three red rectangular boxes with a gradient and a thin red border. The top box is centered and contains the text 'Wireless Networks'. Two large, orange, 3D-style arrows point downwards from the bottom corners of this box. The left arrow points to a box on the left containing the text 'Infrastructure Less'. The right arrow points to a box on the right containing the text 'Infrastructure Based'. The background is a light gray gradient.

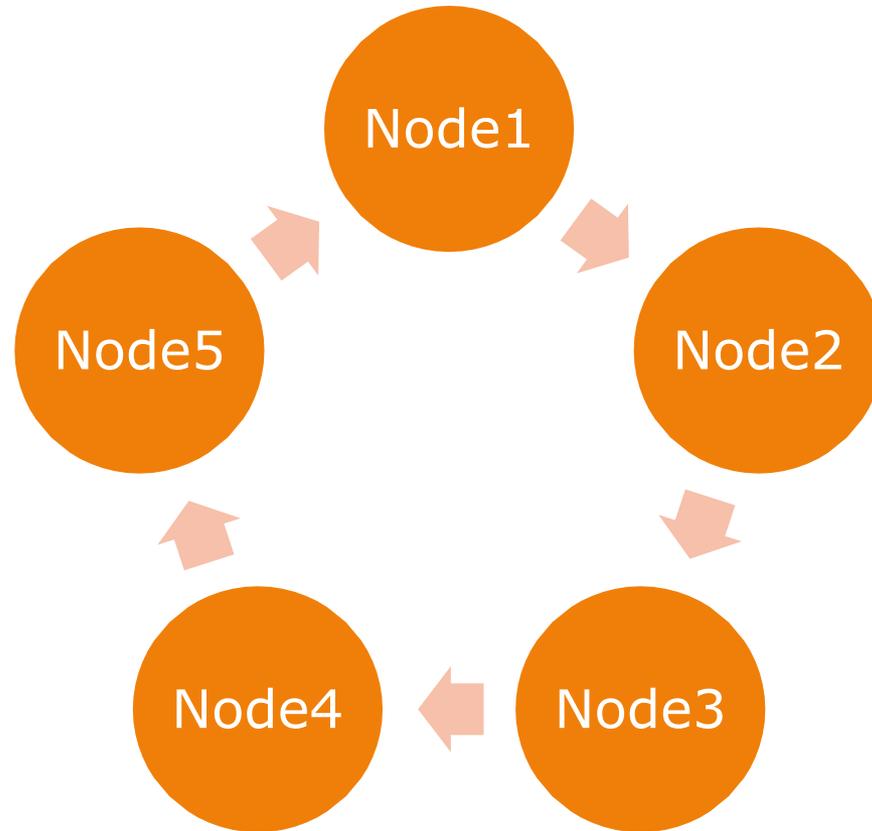
Infrastructure Less

Infrastructure Based

# Infrastructure Based Network



# Infrastructure-Less Network



# **Ad-hoc Network**

A Mobile Ad-hoc Network (MANET) is a collection of wireless mobile nodes forming a temporary network without using any centralized access point, infrastructure, or centralized administration.

# Routing

In internetworking, the process of moving a packet of data from source to destination. Routing is usually performed by a dedicated device called a router. Routing is a key feature of the Internet because it enables messages to pass from one computer to another and eventually reach the target machine. Each intermediary computer performs routing by passing along the message to the next computer

# Routing Protocols for MANETs

