

## Unique constraints and challenges

- The adhoc networks are self-forming, self-maintaining, self-healing architecture.
- The challenges are, no fixed access points, dynamic network topology, congested environment, and irregular activities
- Adhoc have no trusted centralized authority.
- Due to dynamic changing property, the adhoc faces some challenges are listed here

\* QoS

\* Medium Access Control.

\* Routing

\* multicasting

\* Transport layer protocol.

\* Self-organization

\* Security

- Energy management
- Addressing and service discovery
- Scalability
- Deployment Considerations

QoS: → Due to dynamic changing topology in adhoc n/w, providing qos is a tedious task. But, limited resource, sufficient admission control, highly dynamic are the challenges

Medium Access Control → Synchronization  
 Hidden terminals, exposed terminals  
 throughput and access delay are the issues in MAC.

Routing: → minimum route acquisition, delay, quick route re configuration, support for time-sensitive traffic, security and privacy is the issues in Adhoc n/w