

❖ Mobile Ad-HOC Networks (MANETs):

- ✓ A Mobile Ad-hoc Network is a collection of independent mobile nodes that can communicate to each other via radio waves.
- ✓ A mobile ad-hoc network (MANET) is a continuously self-configuring, infrastructure-less network of mobile devices connected wirelessly.
- ✓ Each device in a MANET is free to move independently in any direction, and will therefore change its links to other devices frequently.
- ✓ The mobile nodes that are in radio range of each other can directly communicate, whereas others need the aid of intermediate nodes to route their packets.
- ✓ Each of the nodes has a wireless interface to communicate with each other.

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➤ *Example of MANETs:*

- ✓ Node 1 and node 3 are not within range of each other, however the node 2 can be used to forward packets between node 1 and node 3.
- ✓ The node 2 will act as a router and these three nodes together form an ad-hoc Network.

