UNIT-1

Characteristics of Mobile Computing

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AP/CSE

Characteristics of Mobile Computing

1) Adaptation

2) Personalization

3) Ubiquity

4) Location Awareness

5) Broadcast

1) Adaptation

- Adaptation refers to bandwidth management
- Adjust with bandwidth fluctuation without disconnection
- factors, handoff and noise

2) Personalization

- Services can be personalized using the subscribers profile
- Certain type of information from specific sources.

3) Ubiquity

- Present everywhere.
- The user can perform computations from anywhere at anytime.

- Ex. Business Notifications.

4) Location Awareness

- Device with GPS (Global Positioning System) Provides information about the current location.
- Ex. Travel – Car maintenance service.
- Fleet management, Traffic control, Emergency Services

5) Broadcast

- Information to all mobile users in a particular area.
- Ex. Taxi services