SNS COLLEGE OF TECHNOLOGY, COIMBATORE –35
(An Autonomous Institution)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(UG&PG)
19CSB303 and Composing Mobile Apps
UNIT 1

Mobile Platforms

- Mobile OSs known as mobile platforms

- It is not just an OS but a software stack that typically comprises an OS, libraries and application development framework(s).

- The OS contributes to the core features of the platform such as
    o Memory management

    o Process management and

    o Various device drivers

- Libraries furnish the most required core functionality of the platform such as media libraries etc.

- The application development framework is the set of application programming interfaces (APIs) that in turn interact with the underlying libraries and are exposed to the developers for app development.

- Most popular mobile platforms are:

    Android
    Apple iOS
    Black Berry
    Windows phone

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Mobile Platforms

Typical software stack of mobile platform

Operating System
- Memory management
- Process managements
- Various device driver

Libraries
- Media libraries
- Native data storage
- Rendering screen & drawing surfaces
- Graphics libraries

Application Development Framework
- Set of API
- Interact with underlying libraries
- Expose to developers for app development