



**C-DAC & Gujarat Technological University M.E.
Electronics & Communication Engineering
(VLSI & Embedded Systems Design)
Gandhinagar**

Semester –III

2735205: Mobile Application Development

UNIT – 1

Introduction: Survey of prominent mobile platforms – smart phones, camera/camcorder devices, Tablet devices, automotive.

UNIT II

Energy/Power Management in mobile systems. Mobile OS and developer packages overview.

UNIT III – Developer environments

Study of iPhone, iPad, Windows Mobile (HTC), Android (Google, Motorola) platforms.

UNIT IV

Study of Automotive platforms.

UNIT V – Actual Application Development

This course is focused on getting the students to actually develop an application on a target mobile device. The students must download the environment, develop and demonstrate an actual application on a mobile device.

Course Project:

A project of suitable complexity, comprising of program design, coding, compilation and debug must be completed.

References: