GUJARAT UNIVERSITY

K. S. SCHOOL OF BUSINESS MANAGEMENT
[Five Years' (Full-time) Integrated Degree Course]

Semester - 9 [M.Sc. (CA & IT)]

Subject Code: - KS_C_CC - 598
Subject Name: - Project Development on KS_C_CC-595
Course Credit: - 5

Objective:

To develop a mini project (small application) on Mobile Application Development using Android

Guidelines

1. The project definition should be finalized during 9th semester using the striking features of Android within 15 days of the start of the semester or the subject. Examples of features to include are as below:
    - Using Location based APIs including Google Maps
    - Using GPS (Global Positioning System)
    - Using SQLite Database
    - Using 3D Graphics Support
    - Using Speech to Text APIs
    - Using Multi-touch
    - Using Motion Sensors
    - Creating Android Background Services
    - Making a Client-Service Application
    - Calling a Web-Service
    - Using Local File Storage
    - Accessing data of other applications
    - Creating Widgets
    - Using Camera
    - Using Blue-tooth
    - Using Wifi
    - Using Internet
    - Using Telephony or SMS APIs
    - Using Multimedia APIs
    - Scanning the QR Code
    - Web API in PHP

- Insert update delete select
- Plus JSON encoding and decoding

2. It is recommended that the team should be of 2-3 students.
3. Technical SRS, along with database design (if any) needs to be submitted with the next week of Project definition submission.
4. Coding standards should be followed meticulously.
5. Live definitions are more preferred as the students get the same exposure even in their resumes.
6. Internal guide (i.e. the faculty member) will devote the time to guide the students for the project.
7. Students are supposed to be present in lab hours allotted to them for the subject.

Accomplishments of the student after completing the course:

1. Developing the project will enable the student to understand the basic building blocks of Android Applications.
2. Students will be able to understand environment for developing applications for Small-computing devices like Cell-phones.
3. Students will also learn how to optimize Applications due to the in-built limitations of limited memory, limited battery and wireless connection in Mobile devices.
4. Organizing the time effectively.
5. Working with teammates and generating substantial output of the efforts.
6. It will prepare the students for analysing and programming for industrial problem and large project work in future.