**CSIS 3175-001**

**Introduction to Mobile Development**

##### **Class Project (Expense Tracking Android App)**

**Total Weightage: 25%**

**Project Overview:**

This course includes a required course project. The goal of the project is to develop an app on personal Expense Tracking.

Expense tracking app allows users to maintain a digital automated diary. Each user will be required to register on the system at registration time, the user will be provided id, which will be used to maintain the record of each unique user. The app will keep a track of Income-Expense of a user on a day to day basis. This application takes Income from user and divides in daily expense allowed. If user exceed that days expense it will cut if from your income and give new daily expense allowed amount, and if that days expense is less it will add it in savings. Expense tracking application will generate report at the end of month to show Income-Expense. It will let you add the savings amount which you had saved for some particular Festivals or day like Birthday or Anniversary.

The app will be developed gradually during the term with more features added in. This project has two parts: part 1 is to review an app, write a report 5 – 10 with screen layouts and part II is to submit a complete working app and report. The project is to be done on group basis, 4 students in each group. The project must cover major aspects of Android app development, Java and XML. It is also encouraged you to explore more features that are not even covered in the class.

**Developing the project:**

The project has two due dates:

1. **App review and submission of documentation report 5 – 10 pages (5%)**

**Report submission due date: September 30th, 2016**

1. Review existing apps
2. Give an outline of your app, and build the layout of the screens.
3. Write a report including:
   * + Give a title and a brief description for your project.
     + Give an outline on the layout of your screen by specifying the main items/actions to be included on each screen. Note that you are allowed to change the structure and the content later on, if needed.
     + Features of your app
4. **Project final submission and Presentation (20%)**

**Due date: December 2nd 2016**

The final project along with a well-presented technical report discussing your project.

* Since you are working in group, you MUST indicate clearly the work that you have done and which part of the app you are responsible for.
* You are required to write a summary section at the end of the project report to highlight
  + Number of screens in your app
  + the main features of your app
  + the names of Java class and activities of your app
  + any features/tools that are not covered in class but have applied in the project

**Submission:**

In your USB drive with a name CSIS3175Project and includes

A cover page with project title, group member's name and student numbers

Soft copy of the project report

soft copy of your android studio project

Each group will submit only one USB drive;

**Note: You should include a cover page with project title, group member's name and student numbers**

**NOTE: This is YOUR project and you are NOT ALLOWED to copy from others sources.**

Each project group will make an oral presentation about their project during class time. This presentation will explain and summarize the project. Questions will be asked by the other members of the class. The main idea is to present the highlights of the work done. A good presentation will summarize the main points of the work and bring up discussion issues. This presentation will be graded. There will be number of presentations per class so students should plan on a 10-15 minute presentation. This time includes questions and discussions.