ELEC9782: Mobile Applications and Network Performance
S1 - 2016

Mini-project Proposal
Due date: Week 5

- This is a group project. Please form of groups of size 5-6. Please email your groups to us before Week 4 lecture.

- This assignment worths 5% of the final marks.

- You will require to come up with a mobile app idea that satisfies the following minimum features. We encourage you to propose a novel idea rather than a similar app that you can download from Google Play Store. If you propose an app that solves one of your real life problems, the mini-project will be a very interesting experience for you.

- The proposal should be able to realise within the time frame of the course.

- We encourage you to talk with the lecturer about your idea before the submission, if you have any doubts.

- **Minimum Feature Set**

  - Graphical user interface (GUI) to interact with the user.
  - At least one form of data communication using either Cellular, WiFi or Bluetooth.
  - At least one technique of bandwidth optimizations discussed in Week 3.
  - At least one technique of energy optimizations discussed in Week 3.
  - If user data is involved, at least one method to secure the communication or data storage.

Guidelines for the mini-project proposal

- The first page of the report must contain **Names** and **Student IDs** of the group members.

- **Name of the proposed app.**

- **Summary**

  - Summary of the main functionality of the app.
  - Note: Graphical representation of a use case might help in describing the app idea.

- **Features**

  - Explain the proposed features and the relationship to minimum feature set outlined above.

- This is only a guideline and you are free to choose a format that is logical.

- The final submission must be a **one page** PDF document.