Method: Lecture with Laboratory online
Instructor: Vision Wang xinwang35314@gmail.com

1. Course Description:

    This course will teach you how to become a qualified tech leader in terms of mobile app development and project management. You will work with technical professionals to design a mobile app infrastructure. After the program, you will be able to run an advanced level of a startup project as a team leader.

2. Prerequisites:

    Basic understanding on programming such as Python/Java/PHP/HTML5/Xcode.
    Must pass research level project evaluation.

3. Schedule

Week 1.
Discussion: Project Management and Mobile App Development with Python
Week 2.
Part 1. App Design: Labels, Input, and GUI Layouts
Part 2. App Design: Buttons and Triggering Events, .kv file and Object Properties
Week 3.
Part 1. App Design: FloatLayout for Dynamic Placement
Part 2. App Design: Touch Input/Mouse Input and Simple Drawing App
Week 4.
Part 1. App Design: Navigation Between Multiple Screens
Part 2. App Design: Creating a Popup Window and GUI Example & Source Code
Week 5.
Discussion: Business Proposal, Feasibility Study, Team Building, and Project Deployment

(Week 6-8.)
Project Boosting and Finalizing

4. Program Outputs

Mini-case project: creating a AI-based mobile app with a demo (Week 2- 8)

Major project: generating a business proposal with a feasibility study report (Week 5 - 8)