Introduction to Course

WEEK 0

Advanced Native Mobile Programming
1604C062
GENAP 2022-2023

COURSE OBJECTIVES

- This course is an extension of the Native Mobile Programming course.

- Students will focus on advanced topics of developing Native platform mobile applications such as:

Week 1	Version Control	Week 8	Room
Week 2	Navigation	Week 9	Room (Database Migration)
Week 3	Navigation (cont)	Week 10	Data Binding
Week 4	MVVM	Week 11	Data Binding (exercise)
Week 5	MVVM (Gson & Volley)	Week 12	Notification & Work Manager
Week 6	Android KTX	Week 13	Sensor
Week 7	RX Java & Notification	Week 14	Best Practice

Capaian Pembelajaran Lulusan

- Mampu mendesain, mengimplementasikan dan merekomendasikan sistem berbasis komputer yang optimal melalui penguasaan berbagai bidang keilmuan informatika
- Mampu bekerja sama serta memiliki kemampuan supervisi dan evaluasi dalam penyelesaian suatu pekerjaan.

Capaian Pembelajaran Mata Kuliah

- Mahasiswa mampu menerapkan arsitektur MVVM pada projek android
- Mahasiswa mampu mempraktekkan teknik penyimpanan data secara lokal
- Mahasiswa mampu menerapkan fitur dan teknik lanjutan dari pemrograman native untuk menghasilkan aplikasi yang bermanfaat
- Mahasiswa dapat meningkatkan kerjasama tim dengan memanfaatkan tools yang sesuai
- Mahasiswa memiliki pemahaman publikasi aplikasi pada platform distribusi online

CONTACTS

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Students are encouraged to join class Hangouts group:
https://chat.google.com/room/AAAAymYFmOk?cls=1

ASSESSMENT

NTS = 10% Group Assessment + 30% Individual Assessment + 60% Individual Project

NAS = 70% Group Project + 30% Individual Assessment

NA = 40% NTS + 60% NAS

STUDENT CONDUCT CODE

Any form of cheating (including plagiarism) will not be tolerated and may result in **NA set to zero**.

If you don't understand the material in class, ask your lecturer or your friends, don't ask / copy friends' work.

DELIVERY METHODS

- This course will be delivered onsite and offline.
- Please note that lectures are held online specifically for the first-week meeting due to increasing Covid cases.
- For the second and third weeks, lectures will open the discussion, whether online or hybrid, depending on the class conditions.

- Course schedule:
  - KP A / Wednesday, 09.45-12.30 / TC 4A
  - KP B / Wednesday, 13.00-15.45 / TC 4A
  - KP C / Tuesday, 15.45-18.30 / TC 4A

THANKS!

DO YOU HAVE ANY QUESTION?

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