Tugas 1:

1. Membahas topik 1-12 (What, Why, How dll)
2. Menunjukkan/mendemokan contoh aplikasi (tidak harus membuat sendiri) yang menggunakan teknologi sesuai topik yang dibahas.
3. Menjelaskan cara kerja point b.
4. Presentasi dilakukan urut topik 1,2,3 dst. +-4 topik / pertemuan

Tugas 2: Review Paper (list menyusul)

Tugas 3:

Membuat project aplikasi android yang menggunakan teknologi sesuai topik yang dibahas. Boleh menggabungkan berbagai topik yang ada. Demo setelah UAS (tanggal dan tempat menyusul)

Buatlah proposal aplikasi yang akan dibuat. Tanggal pengumpulan proposal aplikasi menyusul.

Isi proposal terdiri dari:

1. Pendahuluan: latar belakang, tujuan, masalah
2. Tinjauan Pustaka
3. Perancangan (database , input/output, interface, sistem)

**Beginning Android 2: Mark Murphy**

1. **Notifications 🡪 Wia, Hanifa, Rizalsyah**

Working with Notifications

Applications often need to communicate with the user even when the application isn’t

actively running. Applications can alert users with text notifications, vibration, blinking

lights, and even audio. In this chapter, you learn how to build different kinds of notifications into your Android applications: android\_wireless\_application\_development\_2nd\_edition.pdf

**Telephony and SMS**

Using Android Telephony APIs () (Working with Phone Numbers, Using SMS: send and receive, Making and Receiving Phone Calls) :

android\_wireless\_application\_development\_2nd\_edition.pdf

**Review ttg Android wear, auto, tv, dll**

**Wei Meng Lee**

1. **Content Providers 🡪 Muhajir dan Syaiful**

Sharing Data Between Applications with Content Providers : android\_wireless\_application\_development\_2nd\_edition.pdf

1. **Location-Based Services + Google API (Maps, Location, Places)(Tracking Device Movement via GPS)🡪 Anang dan Rizky**
2. **Developing Android Services 🡪 Ana dan Reinanda**

Working with Services : android\_wireless\_application\_development\_2nd\_edition.pdf

**Pro Android 4**

1. **Using Sensors chapter 29 🡪 Abi dan Citra**

Using Android’s Optional Hardware APIs

In addition to the camera, Android devices might have a number of other sensors and hardware. Some popular device sensors include the magnetic and orientation sensors, light and temperature sensors, as well as hardware support for Wi-Fi and Bluetooth radios. Applications can also access battery state information : android\_wireless\_application\_development\_2nd\_edition.pdf

Android Programming Tutorials: Mark Lawrence Murphy

**Android Programming Tutorials: Mark Lawrence Murphy**

1. **Media: Audio, Video, Camera, Text To Speech 🡪 Naufal dan Nisa**

Using Android Multimedia APIs (camera: image, video, microphone: audio, ringtones, MediaStore content provider): android\_wireless\_application\_development\_2nd\_edition.pdf

**Professional Android 2 Application Development**

1. **Using Android Networking APIs** : **Bluetooth, Networks and Wi-Fi –-> Uswa dan Elham**

Using Android’s Optional Hardware APIs : In addition to the camera, Android devices might have a number of other sensors and hardware. Some popular device sensors include the magnetic and orientation sensors, light and temperature sensors, as well as hardware support for Wi-Fi and Bluetooth radios. Applications can also access battery state information

android\_wireless\_application\_development\_2nd\_edition.pdf

**Publishing Android Application🡪 Wei Meng Lee**

1. **Web service :** HTTP, REST, RESTFULL, JSON, and XML

**Adding social Features (Facebook, Twiter etc) 🡪 Kaharudin dan Anim**

1. **Android – Animation : Adobe Flash or Ren’Py or blender or unity 🡪 Fajri dan Khofi**
2. **Android – Augmented Reality 🡪 Rendy dan Uchin**
3. **Android – Open GL 🡪 Taufik dan Ina**

Using Android 3D Graphics with OpenGL ES :

How to perform a variety of common tasks with OpenGL ES on Android devices. Configuring EGL (Embedded-System Graphics Library) and GL (Graphics Libraries), drawing objects, animating objects and scenes, lighting a scene, and texturing objects)

android\_wireless\_application\_development\_2nd\_edition.pdf

1. **NFC (NEAR FIELD COMMUNICATION): Professional android sensor programming dan Android Pro 4 🡪 Raizal dan Angga**