Forsk Technologies: Android Lab (FAST TRACK)

Day	Day Name	Date	Timings	Action Items
0	Wednesday	30/3/2016	2 pm - 10 pm	1. Android Studio installation on student's laptop 2. Android SDK installation 3. Android device setup: Enabling developer options 4. Balsamic installation 5. GIT setup (cloning only) 6. Geniemotion setup
1	Thursday	31/3/2016	6 pm - 10 pm	1. Mobile Apps and SDLC. Use cases and other templates. 2. Balsamiq and wireframes. 3. Data Exchange using JSON 4. Data Exchange using XML 5. Hello World app on device using Android Studio
2	Friday	1/4/2016	6 pm - 10 pm	1. Explain folder structure of the SDK 2. Using AVD manager and SDK manager 3. ADB shell (device and emulator) 4. Tour of Android studio 5. Learn writing GUI code - Part I (Views)
3	Saturday	2/4/2016	6 pm - 10 pm	1. Learn writing GUI code - Part II (ViewGroups) 2. Linear Layout 3. Relative Layout 4. Nested Layout 5. Padding, Margin and Gravity
4 (I)	Sunday	3/4/2016	8 am - 12 pm	1. Accessing XML resources in Java code 2. Java concepts 3. Handling OnClick events 4. Showing toast message in the app 5. Using logcat and Log.e() method of debugging
4 (II)	Sunday	3/4/2016	1 pm - 5 pm	1. Learn writing GUI code - Part III (Intents) 2. Explicit : Activity 3. Implicit: call app, browser application and camera 4. Registering onClick() callback method from XML
5	Monday	4/4/2016	6 pm - 10 pm	1. Learn writing GUI code - Part IV (Activity) 2. Passing data: Bundles 3. Activity Life Cycle 4. Multiple Screen Resolutions.
6	Tuesday	5/4/2016	6 pm - 10 pm	1. JSON Parser 2. How to read from the Resource Folder. 3. Convert the data into JSON String.
7	Wednesday	6/4/2016	6 pm - 10 pm	1. Reading the JSON data from Internet. 2. Image Downloading from Internet. 3. Processes, Threads, Async Task. 4. JSON Array, Object