

# Android Syllabus

## ANDROID TRAINING CURRICULUM

<b>Duration</b>	<b>Module</b>
<b>Week 1: -</b>	<ul style="list-style-type: none"><li>• Java Overview, Introduction and installation</li><li>• Java Basic variable, Data type and Control statement</li><li>• Naming convention, Class, Object, Constructor, Interface, Abstract class, static keyword, this keyword</li><li>• Oops Concept</li><li>•</li></ul>
<b>Week 2: -</b>	<ul style="list-style-type: none"><li>• Java String, String Buffer and String Builder</li><li>• Exception Handling</li><li>• Multithreading</li><li>• Java Collections</li></ul>
<b>Week 3: -</b>	<ul style="list-style-type: none"><li>• Introduction to Android</li><li>• Android System with Architecture</li><li>• Development with Android – Platforms, Tools</li><li>• Setup Android Environment</li><li>• Say Hello to Android Application</li><li>• Versions</li></ul>
<b>Week 4: -</b>	<ul style="list-style-type: none"><li>• Toast and Snackbar</li><li>• Building Blocks of Android Application</li><li>• Intents</li><li>• Work with Activity</li><li>• Activity Lifecycle</li></ul>
<b>Week 5: -</b>	<ul style="list-style-type: none"><li>• Fragments</li><li>• Fragment Lifecycle</li><li>• Create Android UI</li><li>• Working with Layouts</li><li>• Material Design Toolbar, Tab Layout, View pager</li><li>• Drawables, styles, and themes</li></ul>
<b>Week 6: -</b>	<ul style="list-style-type: none"><li>• Recycler View and Card View</li><li>• Butter knife</li><li>• Android Annotations</li><li>• Storage in Android</li><li>• Shared Preferences</li><li>• Shared Preferences Layout</li><li>• Android Requesting Permission at run time (Android 6.0)</li><li>• Web Services and Parsing</li></ul>

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<b>Week 7: -</b>	<ul style="list-style-type: none"><li>• Database in Android</li><li>• Introduction to SQLite</li><li>• SQLite Open Helper Class</li><li>• Create, Open and Close Database</li><li>• Database Insert, Update, Delete</li><li>•</li></ul>
<b>Week 8: -</b>	<ul style="list-style-type: none"><li>• Using Async Task</li><li>• Third Party Libraries</li><li>• Google Map, Location Service, and GPS</li><li>• Firebase Components</li><li>• Android Design Pattern</li></ul>

