Session Taken: The course was completed in \_\_\_ Sessions of \_\_ Minutes.

The topics covered and completion status with dates is as under.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Unit | | Session# | Topic | Completion Date |
| 1 | 1 | | What is android? What considerations one should keep in mind while developing an android application?  What is resources?  What is string, color resource? How to use them in layout.xml file?  How to use gravity, padding, hint attributes?  How to access controls in Activity file from layout file?  How to set the OnClickListener for button?  What is Toast? How to create it?  What is Manifest file?  What is <activity> and <intent-filter> tag in Manifest? | 15 july |
|  | 2 | | How to create ArrayAdapter?  Intent for starting another Activity.  Pass data to another Activity using Intent.  How to create String Array and use it in Activity file?  What is Spinner ? Explain with code how it works.  How to use Logging support in your application?  Log method with Throwable argument. | 17 JULY |
|  |  | | EditText OnTextChange Listener and OnFocus Change Listener.  How to set Button enabled/disabled property?  RadioGroup and RadioButton. | 20 july |
|  |  | | How to create options menu?  How to create context menu?  How to create and access Menu resource?  What is registerForContextMenu() method? | 22 july |
|  |  | | How to create AutoCompleteTextView?  What is the use of threshold attribute in AutoCompleteTextView?  How to create ListView?  How to set custom list item in a ListView? | 23 july |
|  |  | | Types of Android Applications  Developing for Mobile and Embedded Devices  Android Development Tools | 05 August |
|  |  | |  |  |
|  |  | | Building Blocks of an Android App  Android Building Blocks - Activity  Activity Life Cycle events | 06-Aug-20 |
|  |  | | Explain Android operating system with diagram.  Explain Android Software Stack.  Explain various layers of Android OS.  Whai is DVM? How it works?  What is OHA? | 10-Aug-20 |
|  |  | | Chapter 4: Building User Interface  Fundamental Android UI Design  Assigning User Interface to Activities  Assigning User Interface to Activities (Using Code)  **Widgets or controls in Android**  TextView  EditText  Button  CheckBox  RadioButton  RadioGroup  Spinner  Chronometer  ImageButton  VideoView  AutoCompleteTextView  ImageView  SeekBar  ProgressBar | 13-Aug-20 |
|  |  | | Listview  MultiAutoCompleteTextView  RatingBar | 14-Aug-20 |
|  |  | | Dialog  AlertDialog with Message  DatePickerDialog | 20-Aug-20 |
|  |  | | AlertDialog with List  TimePickerDialog | 21-Aug-20 |
|  |  | | Custom Dialog  Toast  Custom Toast | 21-Aug-20 |
|  |  | | Fragment Backstack  Fragment Interaction through an Activity | 27-Aug-20 |
|  |  | | Fragment Interaction through an Activity  SQLiteDatabase - insert | 28-Aug-20 |
|  |  | |  |  |
|  |  | | SQLiteDatabase – insert  SQLiteDatabase – query  SQLiteDatabase – query one record  Listview- Cusor Adapter | 01-SEP-20 |
|  |  | | SQLiteDatabase – query one record  Listview- Cusor Adapter  Update Record | 02-SEP-20 |
|  |  | | SQLiteOpenHelper  - insert  – query  – query one record  Listview- Cusor Adapter | 12-OCT-20 |
|  |  | | SQLiteOpenHelper  - Update Record  - Delete Record  - Search Record  query() method with all its arguments | 13-OCT-20 |
|  |  | | Content Provider  Content Resolver  Built-in Content Provider   * Media Store Audio | 14 OCT 20 |
|  |  | | Built-in Content Provider  Media Store Video  SQLiteOpenHelper  - Update Record  - Delete Record  - Search Record  - insert  – query  – query one record  Listview- Cusor Adapter | 16 OCT 20 |
|  |  | | Built-in Content Provider  Media Store Audio  CallLog  Contacts  Runtime Permission handling | 17 OCT 20 |
|  |  | | Runtime Permission handling  Shared Preferences – Private and Custom  Shared Preferences Framework  savedInstanceState and retrieveInstanceState Bundle handling | 19 OCT 20 |
|  |  | | File Handling  Animations in Android  Tweened Aniation | 20 OCT 20 |
|  |  | | **Frame-by-Frame Aniation**  **Android Intents**  **What is Intent? Why Intent?**  **Types of Intents?**  **How Intents are received? How Intents are resolved?**  **Returning Results from Activities**  **Native Linkify Link Types (in code)**  **Native Linkify Link Types (in xml)**  **Broadcast Receiver**  **Listening to Broadcast using Broadcast Receiver**  **Registering Broadcast Receiver in AndroidManifest.xml file**  **Registering Broadcast Receiver in Code** | 21 oct 20 |
|  |  | | Broadcasting Ordered Intents  Pending Intent  Alarm Manager  Media Player  Receive SMS  What is Android Service?  Android- Services Life cycle  Android- Services Methods  Example code for Android Services | 22 oct 20 |
|  |  | | **Chapter 17:** **Telephony and SMS**  **Chapter 13 : Map and Location Based Services** | 23 oct 20 |
|  |  | | **Chapter 12 :** Hardware Sensors,  **Chapter 19:** Monetizing, Promoting and Distributing Applications,  **Chapter 06:** **Downloading Internet Resources**  Thread and AsyncTask,  Notifications | 24 oct 20 |
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