

ST.PIUS X COLLEGE RAJAPURAM
DEPARTMENT OF COMPUTER SCIENCE
CERTIFICATE COURSE ON MOBILE APPLICATION
SYLLABUS

Teaching Hours:30

Unit-1

Brief History of Embedded Device Programming , Introduction to Android , Get to know the required tools , Creating your first Android application , Anatomy of android Application. Understanding Activities, linking Activities using intents, fragments, calling Built-in Applications using Intents, Displaying Notifications.

Unit-2

User Interface and Designing with views understanding the components of a screen, adapting to display orientation, managing changes to screen orientation, Utilizing the Action Bar, Creating the user Interface programmatically, Listening for UI Notifications. Using Basic Views, Using Picker views, Using List views to display lists, Understanding specialized fragments

Unit-3

Messaging and Location based services SMS Messaging , Sending E-mail, Displaying Maps, Getting Location Data, Monitoring a Location. Hands on project : Building a Location Tracker.

Unit-4

Installation – Android Studio, Develop an application that uses GUI components, Font and Colors, Layout Managers, event listeners, native calculator application.