COMP-VAC- 109

Value Added Course on 'M[illegible] Application Development'

Credit: 2

Pre-requisite: [illegible] completed Value Add[illegible] on 'Web Application Development'

Objective: [illegible] course will familiarize the students with [illegible] architecture, protocols, mobile databases and [illegible] Mobile Applications using Android.

Course Outcome: After successful completion of course the students will be able to [illegible]

- Understand fundamental concepts of GSM, GPRS, CDMA, [illegible] of Mobile Terms [illegible]
- Comprehend Mobile database concepts such as [illegible] caching, data delivery, selecting [illegible] index [illegible] various Mobile OS [illegible] systems
- Develop [illegible] interactive Mobile applications using Android platform
- Test [illegible] and deploy Mobile applications on virtual and physical devices

UNIT-I

Introduction to Mobile Applications, Main [illegible] in design [illegible] development [illegible] Mobile Applications Introduction to Android and [illegible] Emulators -- Android Virtual Device Manager, Android Studio, Cr[illegible] Using Java Programming in Android Studio-II, Building [illegible] Interface with Views-Text Views, [illegible] Text, Image Views [illegible] Image Button, Date Picker, Radio Button, Check Box button Using [illegible] Linear and Relative Layouts, Using [illegible] Layout, Adding functionalities to an App, Testing and running an App [illegible]

UNIT-II

Basics of App Resources-[illegible] Strings, Drawable, Font etc., Using [illegible] app resources [illegible] Android Activity Life Cycle and related methods, Android [illegible] Manifest [illegible] and Implicit, Building an App using [illegible] Using Dialogs [illegible] in Android [illegible] Apps, Building an App [illegible] an App Session-IV [illegible] Android Apps [illegible] Using Database in Android Apps [illegible] Participants (Practical)

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