IVA067-IoT USING ARDUINO

Course outcomes:

- Understand smart objects & IoT architectures
- Learn about IoT in Cloud computing
- Build simple IoT systems using Python'& RaspberryPi

Syllabus:

UNIT-I

Basics of Android

What is Android- History and Version- Installing software's- Setup Eclipse-Hello Android example- Internal Details-Dalvik VM-Software Stack-Android Core Building Blocks-Android Emulator- AndroidManifest.xml-R.java file- Hide Title Bar-Screen Orientation.

UNIT-II

UI Widgets

Working with Button- Toast Custom Toast-Button-Toggle Button- Switch

Check Box Alert Dialog- Spinner- Auto Complete Text View- Rating Bar- Date Picker-Time Picker Progress Bar - Quick Contact Budge Analog Clock and Digital Clock Working with hardware Button File Download**.**

UNIT-III

Animation

Android Animation API- Android Drawable class- Android Animation Example Android Rotate Animation- Android Fade Animation Android Zoom Animation.

Reference Text Books:

1. IoT Fundamentals: Networking Technologies, Protocols and Use Cases for Internet of Things, David Hanes, Gonzalo Salgueiro, Patrick Grossetete, Rob Barton and Jerome Henry, Cisco Press, 2017