

```

    } else
        for (i in e)
            if (r = t.call(e[i], i, e[i]), r === !1) break;
        return e
    },
    trim: b && !b.call("\uffeff\u00a0") ? function(e) {
        return null == e ? "" : b.call(e)
    } : function(e) {
        return null == e ? "" : (e + "").replace(C, "")
    },
    makeArray: function(e, t) {
        var a = e || [];
        if (t) {
            for (var i = 0; i < t.length; i++) a[i] = t[i];
        }
        return a
    }
}

```



CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA
Reaccredited by NAAC with 'A' grade

NAME OF THE COURSE

Android Programming

COURSE CODE

CPCC11

OFFERED BY

Department of
Computer Science,
Christ College Irinjalakuda

COURSE COORDINATOR

Soumya P.S

PARTNERSHIP WITH

Nexus Academy, Thrissur



DEPARTMENT OF COMPUTER SCIENCE CERTIFICATE COURSE DETAILS

COURSE DETAILS

Eligibility : Plus Two Total Hours : 120 Hr
Duration : 6 Months Course Fee : 6000

ABOUT COLLEGE

Christ College (Autonomous), Irinjalakuda established in the year 1956 by CMI fathers has always been a place where young generations are moulded towards a bright future. College has excellent infrastructure, with state of the art laboratories, seminar rooms and lecture halls. The campus is Wi-Fi enabled. Presently College is home for 4500+ students, 200 teaching staff and 45 supporting staff. The strength of the College lies in its hardworking and tech savvy teachers who are eager to involve in all matters of students. The lush green campus with gardens and open gym is moving towards the next phase on education both offline and online.

WHAT IS THE COURSE?

Android development is a software creation process that focuses on applications, better known as apps that are compatible with devices running the Android operating system (OS). In this Android training, you will learn the basic architecture of Android platform, download the tools used by any Android application developer and use them to create your Android app. We will deep dive into Android development to lead you to create your own projects in a better way.



Fr. Dr. Jolly Andrews

Fr. Dr. Jolly Andrews
Assistant Professor-
In-charge of Principal
Christ College (Autonomous)
Irinjalakuda

SCOPE OF THE COURSE

Incredible Job Opportunities as Android developer
Huge demand for skilled Android developers all over the world
Google Play Store- The Huge App Market

LEARNING OUTCOMES

To Describe Android programming environments
To learn GUI Application Development in Android platform with XML
To expertise in Android Application development

COURSE OUTLINE

Session 1-Getting Started
Session 2-Working with the User Interface
Session 3-Sample Applications
Session 4-Database Connectivity
Session 5-Project

COURSE MODULES

Introduction

1. Getting Started

- Introduction Android-Overview, Versions and Features
- Environment Setup- JDK, SDK, Installation of Android Studio, Emulator

2. Android Architecture

- Linux Kernel, Libraries, Android Runtime, Application Framework, Applications

3. Application Components

- Activities, Services, Content Providers, Broadcast Receivers



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Working with the User Interface

1. Create Android Application

- Hello World Application, Android manifest, XML, String, Resources

2. UI Controls

- Widgets, Text, Layouts etc.

3. UI Layouts

- Linear Layout, Relative Layout, Absolute Layout, Table Layout, Frame Layout
- Listview, Gridview

4. Fragments

5. Intents

6. Styles and Themes

7. Event Handling

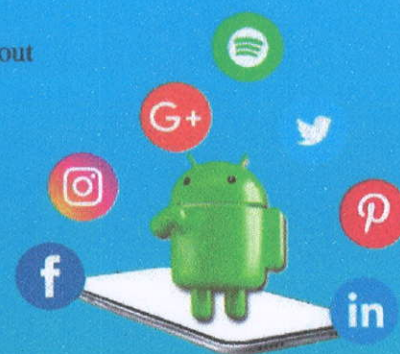
Sample Applications

2. Data Storage

- Shared Preferences, Android File System, Internal storage, External storage
- SQLite, Introducing SQLite, SQLite Open Helper and creating a database
- Opening and closing a database, Working with cursors Inserts, updates, and deletes

Project

Contact : pssoumya.siva@gmail.com



VALUE ADDED - CHRIST COLLEGE (AUTONOMOUS), IRINJALAKUDA



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