



## Master of Computer Applications

### Report On Value Added Course: Certificate Course in Android Development

#### ACTIVITY :Value Added Course

**Title :** Certificate Course in Android Development

**Values :** Domain Knowledge; Modern Tool Usage; Professional Ethical Edification

**Organized by :** Department of Computer Applications

**Program Theme :** Certificate course in Android Development

**Objective :** The purpose of this course is to build a skill on mobile app development starting from basics . This course will help students with great idea and some mobile development skills to use it as a career choice as Android is on the rise and almost every industry in India uses Android apps. The course will make students able to creating robust mobile applications and learn how to integrate them with other services. It will help students in creating intuitive, reliable mobile apps using the android services and components and creating a seamless user interface that works with different mobile screens.

**Internal Expert :** Mr. Mohit

**Resource Person Profile :** Mr. Mohit has done B.Tech and M.Tech on Computer Science and Engineering. He has 6 years of teaching experience in different institutes. His expertise is in Database Management System, Java, Android Development and Web Development.

**Date** : 20-08-2018 – 29-09-2018

**Time** : 02:00 PM – 03:00 PM

**Venue** : Offline, Room No. 2203



**TECNIA**  
INSTITUTE OF ADVANCED STUDIES  
NAAC ACCREDITED GRADE "A" INSTITUTE  
DELHI INDIA

## MASTER OF COMPUTER APPLICATIONS

### VALUE ADDED COURSE

Session 2018-2019



#### CERTIFICATE COURSE IN ANDROID DEVELOPMENT

##### Preface:

Value Added Courses are designed to raise students' Level above and beyond the academic curriculum; Envisage Modern Tool Usage, Learners to up-skill their skillsets; Bridging the gap between academia and corporate requirements; VAC Certificate In Office Automation will be able to attain as under:-

- Broadening of Domain Knowledge
- Apply techniques of appropriate software's validation
- Acquire technical skills to lead as productive IT Professional
- Enhancing Employability

##### Learning Outcomes:

At the end of this Course student will be able to:

- App Development Skill
- Understanding Mobile Development
- Projects and portfolios

##### Note:

- Batches will commence w.e.f 20.08.2018 from 02:00 p.m. to 03:00 p.m.
- Each batch shall comprise of 60 students only.
- Minimum 75% attendance is required by the candidate for assessment.
- Assessment will be made on the basis of Viva Voce and written/Practical Exam.
- Successful learners after assessment will get the certificate of the VAC.

Duration: 30 Hours  
Timing: 2:00 to 3:00 P.M

**Resource Person**  
**Mr. Mohit**

**Registration Date :**  
**31.07.2018 – 05.08.2018**

##### VAC Contents :

- Introduction to Android Development (1 Hrs)
- Java Programming for Android (4 Hrs)
- User Interface Design and Layouts (3 Hrs)
- Activities and Intents (2 Hrs)
- Fragments (1 Hrs)
- Persistence and Data Storage (3 Hrs)
- Networking and Web Services (3 Hrs)
- Background Processing and Multithreading (3 Hrs)
- Notifications and Broadcasts (3 Hrs)
- Advanced Topics (3 Hrs)
- Testing and Deployment (4 Hrs)


*For any queries related to the VAC Certification course, Please Feel Free to Contact  
Dr. Vishal, VAC Coordinator  
Email.: khatriidoc@gmail.com*

**Social media link** (promoting in any one Facebook/Instagram/Twitter is mandatory)

<https://www.instagram.com/tecniaofficial?igsh=MXdxdzZwb2EwaWszNg==>

**No. of Students\*** (only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)

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<p><b>No. of Faculty*</b> (only no. to be written , list in excel or word should be maintain at department level as proof for any further requirement)</p>	<p>01</p>
<p><b>No. of External Participants (students + faculty)</b> [write NA if not applicable]</p>	<p>NA</p>
<p><b>(Geotag) Photograph*</b></p>	
<p>Photograph of the Event with the Caption</p>	
<p><b>Report: Description in (min 250 to max 800 words)*</b></p>	<p>Android development, a description typically refers to a text or narrative that provides an overview of an Android application, its features, functionalities, and purpose. A well-crafted description is essential for effectively communicating the value proposition of the app to potential users on platforms like the Google Play Store.</p> <p>The course started with the introduction of Android development and the resource person, Mr. Mohit made the students aware of the concepts of Android, its application and significance in the field of Information Technology.</p> <p>The students learnt Android SDK provides a set of development tools, libraries, and APIs necessary for building Android applications. It includes the Android Studio IDE (Integrated Development Environment), which offers features like code editing, debugging, and testing. Android applications are primarily developed using Java or Kotlin programming languages. Java has been the traditional language for Android development, while Kotlin, introduced by Google in 2017, has gained popularity for its modern syntax, concise code, and enhanced safety features.</p>

	<p>They learnt how to Android apps typically feature interactive user interfaces created using XML layout files and customizable UI components provided by the Android framework.</p> <p>Furthermore, they were taught how Android developers must prioritize security throughout the development process, implementing measures to protect user data, authenticate users securely, and prevent unauthorized access to sensitive information.</p> <p>The students were also given Hands-on training on the systems. Finally, the students were assessed on the basis of Quiz , Practical and Viva voce and were given certificates based on their evaluation.</p>
<p><b>Learning Outcomes</b></p>	<p>The Learning Outcomes of the Value Added Course are as under:</p> <ul style="list-style-type: none"> <li>• Understanding of Android Architecture</li> <li>• Gaining Proficiency in Java and Kotlin</li> <li>• Understanding of Activity and Fragment Lifecycle Management</li> <li>• Networking and Web Services</li> <li>• Understanding Concurrency and Multithreading</li> </ul>
<p><b>Attendance Sheet*</b></p>	<p><i>Attached at the end of Report</i></p>
<p><b>Feedback</b></p>	<p><i>Sample feedback Attached at the end of Report</i></p>
<p><b>Report Submitted by Convener</b> <i>(write faculty coordinator name)</i></p>	<p>Dr. Vishal</p>
<p><i>For Office Use</i></p>	
<p style="text-align: center;"><i>Vishal</i></p> <p><b>Signature of VAC Coordinator</b></p>	<p style="text-align: center;"><i>Vishal</i></p> <p style="text-align: center;"><b>HOD MCA-TIAS</b></p> <p><b>Signature of School/ Department Head</b> <i>(With Seal)</i></p>