

**KCES's College of Engineering & IT Jalgaon**  
**Activity Report**

<b>Name of The Activity : Add on Certificate Programme on Android Programming</b>			
<b>Date:</b>	10/01/2019 to 15/01/2019	<b>Participants profile:</b>	32 Students from SE.TE. and BE
<b>Objective for conducting activity</b>	<ul style="list-style-type: none"><li>➤ The Current trends of Android development and its advantages and disadvantages is explained.</li><li>➤ Also briefed about the types of validation, basic hardware and software requirements for android development.</li><li>➤ The importance, usefulness and impact of apps in today's digital world is done.</li></ul>		
<b>Methodology</b>	➤ Workshop is conducted by Mrs. Minal T. Kolhe and Mr. Avinash Y. Suryawanshi by using ICT tools and hands on Training in classroom session.		
<b>Out Come</b>	The students got insights about how apps will disrupt the digital world, how can it be useful to them and how it will bring the change in industry.		

**Photo:**



*Minal*  
**IQAC co-ordinator**



*M*  
**Principal**  
PRINCIPAL  
K.C.E.SOCIETY'S  
COLLEGE OF ENGG.& INFO  
TECHNOLOGY, JALGAON

**KCES's College of Engineering & IT Jalgaon**  
**Activity Report**

**Attendance for Android Programming**

Sr. No.	Name of Participants	Class	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	DAMINI SATISH PATIL	SE	Dpatil	Dpatil	Dpatil	Dpatil	Dpatil	Dpatil
2	HEMANT DINKAR GOSAVI	SE	HemantG	HemantG	HemantG	HemantG	HemantG	HemantG
3	AKSHADA NILESH BADGUJAR	SE	AB	AB	AB	AB	AB	AB
4	MITALI PRAVIN PAGARIYA	SE	Mpagariya	Mpagariya	Mpagariya	Mpagariya	Mpagariya	Mpagariya
5	DUHITA SUHAS NEVE	SE	Neres	Neres	Neres	Neres	Neres	Neres
6	MANISH CHANDRAKANT SAKALKAR	SE	M.C. SAKALKAR	M.C. SAKALKAR	M.C. SAKALKAR	M.C. SAKALKAR	M.C. SAKALKAR	M.C. SAKALKAR
7	CHIKNE PRATHAMESH GANESH	TE	P.G.S	P.G.S	P.G.S	P.G.S	P.G.S	P.G.S
8	DESHMUKH TRUPTI MADHUKAR	TE	Tmptd	Tmptd	Tmptd	Tmptd	Tmptd	Tmptd
9	VISPUTE LALIT JAGADISH	TE	Lalite	Lalite	Lalite	Lalite	Lalite	Lalite
10	VISPUTE SHWETA ASHOK	TE	Sweta	Sweta	Sweta	Sweta	Sweta	Sweta
11	MAHAJAN RAJASHRI NAMDEO	TE	M	M	M	M	M	M
12	MARUMARDANE RAKSHADA KAILAS	TE	RM	RM	RM	RM	RM	RM
13	PANDAV SHUBHANGI PRALHAD	TE	Pprahlad	Pprahlad	Pprahlad	Pprahlad	Pprahlad	Pprahlad
14	PATIL JANHAVI PRADIP	TE	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil
15	PATIL CHHAYA YASHWANT	TE	Ycp	Ycp	Ycp	Ycp	Ycp	Ycp
16	PATIL DEEPIKA	TE	Dpatil	Dpatil	Dpatil	Dpatil	Dpatil	Dpatil

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DAYARAM									
17	PATIL CHETAN B.	BE	chetan	chetan	chetan	chetan	chetan	chetan	chetan
18	PATIL SWATI Y.	BE	swati	swati	swati	swati	swati	swati	swati
19	PATIL PRATIKSHA S.	BE	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha
20	PATIL ROHINI N.	BE	Rapati	Rapati	Rapati	Rapati	Rapati	Rapati	Rapati
21	CHAUDHARI KOMAL S.	BE	Komali	Komali	Komali	Komali	Komali	Komali	Komali
22	CHAUDHARI YUVRAJ A.	BE	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj
23	KALE BHAVANA S.	BE	KB	KB	KB	KB	KB	KB	KB
24	NARKHEDE NEHA B.	BE	Neha	Neha	Neha	Neha	Neha	Neha	Neha
25	PATIL SHRADDHA S.	BE	Spati	Spati	Spati	Spati	Spati	Spati	Spati
26	SUTAR YAMINI U.	BE	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar
27	AHIRRAO AISHWARYA S.	BE	Ashra	Ashra	Ashra	Ashra	Ashra	Ashra	Ashra
28	BIRARI PRIYANKA R.	BE	Birari	Birari	Birari	Birari	Birari	Birari	Birari
29	CHAUDHARI ARUNA S.	BE	Achhari	Achhari	Achhari	Achhari	Achhari	Achhari	Achhari
30	CHAUDHARI NEHA	BE	Nehari	Nehari	Nehari	Nehari	Nehari	Nehari	Nehari
31	YEOLE HARSHAL S.	BE	Yole	Yole	Yole	Yole	Yole	Yole	Yole
32	JADHAV ARJUN J.	BE	A.J.J.	A.J.J.	A.J.J.	A.J.J.	A.J.J.	A.J.J.	A.J.J.

*Minal*

**HOD**

Mrs. Minal T. Kolhe

**Coordinator**

Mrs. Minal T. Kolhe

Mr. Avinash Y. Suryawanshi

*Minal*

*AV*

**Department of Computer Engineering**

**KCES's College of Engineering and IT, Jalgaon**



**Organising**

**"Certificate Course"**

**On**

**Android Programming**

**10/01/2019 to  
15/01/2019**

**Coordinator  
Mrs. Minal T. Kolhe**

**Mr. Avinash Y. Surywanshi**

**Prof. M. T. Kolhe  
Head, Computer Department  
Mob. No. 073877 00474**

**Dr. K. P. Rane  
Principal  
KCES's COEIT Jalgaon**

Note: For registration and further detail contact to Coordinator

K.C.E. SOCIETY'S  
COLLEGE OF ENGINEERING & I.T. JALGAON - 425001

DEPARTMENT OF COMPUTER ENGINEERING & IT

Academic Year 2018-19

Date: 01/01/2019

## NOTICE

Computer Engineering department is organizing six Days Workshop on “**Android Programming**” from 10<sup>th</sup> January to 15<sup>th</sup> January, 2019. The workshop is open for all the students of the Computer Department. The participants would be issued certificate on successful completion of the workshop. The attendance on all six days would be compulsory for the participants to get the certificate. Interested candidates can be register to this workshop.

**Coordinator**

Prof. Minal T. Kolhe

Prof. Avinash Y. Suryawanshi

*Minal*  
**HOD**

Prof. Minal T. Kolhe

## **Android Programming Course Contents**

### **TOPICS TO BE COVERED IN WORKSHOP**

#### **1. Java Refreshment**

- What is an Object ?
- Dog Object
- Practical Demonstration on Object
- Theoretical and Practical Approach to Inheritance, Interface
- Practical with instance and static variables
- Difference between local vs instance vs static variables
- Know the differences between Parameter and Arguments
- Wrapper Type to Rescue
- Practical Demonstration with Arrays
- Operators in Java
- Conditional and Iterative Statements in Java

#### **2. Introduction to Android**

- What is Android and its history
- Android architecture (Kernel, Dalvik, Native layer, Application Layer etc)
- Android SDK and Tools (How to setup, its contents and use)
- Set up IDE's (Eclipse and Android Studio)

#### **3. Theoretical and Practical Approach to Android Technology**

- Creating Hello World App
- Complete Overview with Anatomy of Android Hello World App
- Model , View and Controller Architecture

#### **4. Action Bar & Effective Navigation**

- What is Action Bar
- Adding and removing Action Bar
- Adding Action items in Action Bar, Split Action Bar

Using App icon for navigation, "Go Home", "Up" navigation implementations

- Adding Tabs and Drop-down navigation in Action Bar

### **5. External Storage in Android**

- Checking SDCard Storage Options
- Accessing and Creating Folder from SDCard
- Read and Write Files from SDCard
- Saving and Retrieving images from SDCard

### **6. Networking**

- Introduction to HTTP Client
- Introduction to Async Tasks
- How to make HTTP calls
- How to handle response

### **7. Fragments:**

- Fragments
- Adding a user interface
- Adding a Fragment into a Activity

### **8. Introducing Intents**

- Using Intents to Launch Activities
- Using Intents to Broadcast Events
- Introducing Adapters
- Android Graphics
- Threads & Async tasks
- UI(Main) thread Loppers
- handlers, event flow from system
- Writing threading programs Updating UI

### Android Programming Course Contents Schedule

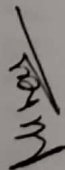
DAY AND DATE	SESSION 1	BREAK	SESSION 2	SESSION 3
Thursday 10/01/2019	(09:00AM to 11:30 AM) Java Refreshment	(11:30 to 12:30 PM) LUNCH BREAK	(12:30PM to 01:30 PM) Introduction to Android	(01:30 PM to 03:30 PM) <b>Practical Session</b> Create a Dog Simulation Console based application
Friday 10/01/2019	(09:00AM to 11:30 AM) Theoretical and Practical Approach to Android Technology	(11:30 to 12:30 PM) LUNCH BREAK	(12:30PM to 01:30 PM) Learn to manage Android Life Cycle	(01:30 PM to 03:30 PM) <b>Practical Session</b> Debug, Deploy and Run Android App
Saturday 10/01/2019	(09:00AM to 11:30 AM) User Interface components in Android	(11:30 to 12:30 PM) LUNCH BREAK	(12:30PM to 01:30 PM) Working with Fonts & Creating Interactive Menu	(01:30 PM to 03:30 PM) <b>Practical Session</b> 1. Pizza Menu App with Customize List View. 2. Personal Finance - Simple Expense manager
Sunday 10/01/2019	(09:00AM to 11:30 AM) Action Bar & Effective Navigation	(11:30 to 12:30 PM) LUNCH BREAK	(12:30PM to 01:30 PM) External Storage in Android	(01:30 PM to 03:30 PM) <b>Practical Session</b> Creating Image Grid View from SDCard Images



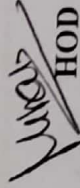
Monday 10/01/2019	(09:00AM to 11:30 AM) Networking and Fragments	(11:30 to 12:30 PM) LUNCH BREAK	(12:30PM to 01:30 AM) Intent and Intent Filters AND Services, a viewless Activity	(01:30 PM to 03:30 PM) GROUP DISCUSSION
Tuesday 10/01/2019	(09:00AM to 11:30 AM) Introducing Intents	(11:30 to 12:30 PM) LUNCH BREAK	(12:30PM to 01:30 PM) Threads & Async tasks	(01:30 PM to 03:30 PM) Practical Session How to create A Music Player.

**Coordinator**

Prof. Minal T. Kolhe



Prof. Avinash Y. Suryawanshi

HOD

Prof. Minal T. Kolhe



Khandesh College Education Society's

# COLLEGE OF ENGINEERING AND IT, JALGAON

Affiliated to Dr. Babasaheb Ambedkar Technological University, Maharashtra & KBC North Maharashtra University Jalgaon

Approved By AICTE, New Delhi. | MSBTE

## Department Of Computer Engineering

### Certificate

This is to Certify that Damini Satish Patel  
of SE / TE / BE Computer has successfully participated & completed the  
Certificate courses/Add-on course / Value-added course  
on Android Programming organised during 10/01/2019  
to 15/01/2019.

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Computer Department

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KCES's COEIT, Jalgaon



**Khandesh College Education Society's**  
**COLLEGE OF ENGINEERING AND IT, JALGAON**

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**Department Of Computer Engineering**

*Certificate*

This is to Certify that Manish Chandrakant Sakalkar  
of **SE / TE / BE Computer** has successfully participated & completed the  
**Certificate courses/Add-on course / Value-added course**  
on Android Programming organised during 10/01/2019  
to 15/01/2019.

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