# KALYANI CHARITABLE TRUST'S LATE G. N. SAPKAL COLLEGE OF ENGINEERING SAPKAL Kalyani Hills, Anjaneri-Vadholi, Trimbakeshwar Road, Dist; Nashik – 422 212 (India) Tel. +91 – 2594 – 220168/71, Fax: +91 – 2594 – 220174 HUB. Website www.sapkalknowledgehub.org, E-mail: gns\_engineering@sapkalknowledgehub.com

Ref: KCT's /LGNSCOE/2019-20/ 165(B)

Date: 22/08/2019

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#### Notice

All students of Computer department are hereby informed that, Five days course on "Android Development" is organized by Computer Engineering Department in association with IQAC at our college. All are requested to attend the program.

Speaker: Mr. Sukhad Kulkarni

Venue: PG Lab

Day and Date: Monday, 26th August to 30th August 2019

Time: 10:00 AM onwards

Mrs. Archana S. Gaikwad Program Coordinator

Prof. (Dr.) N. R. Wankhade HOD, Computer Engg. Prof. (Dr.) S. B. Bagal Principal





## Kalyani Charitable Trust's, Late G. N. Sapkal College of Engineering



Department of Computer Engineering in Association with IQAC Organized

Five days Certificate course on

"Android Development"

Dated on 26th August to 30th August 2019

Resource Person Mr. Sukhad Kulkarni



Prot.(Dr.) Salfebrao B. Bagal

Late G. N. Sankai College of Empire in 3 Amanes: Mashe 277.21.



## Kalyani Charitable Trust's Late G. N. Sapkal College of Engineering

Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik - 422 213



Date: 22/08/2019

Ref: KCT's /LGNSCOE/2019-20/164 (B)

To,

Mr. Sukhad Kulkarni

Nashik.

Subject: - Invitation letter to conduct Add On Program on "Android Development".

Dear Sir,

We are pleased to invite you as a resource person for Add On program on "Android Development" organized by Computer Engineering Department in association with IQAC of Late G. N. Sapkal College of Engineering, Anjaneri, Nashik 422212.

We will be grateful if you could share your valuable expertise on the topic aforementioned. We hope that the students will be benefitted by participating in this program with the current edge technology on the topic.

We look forward to your presence in the campus as per the schedule attached.

Thanking You,

With warm regards.

Yours Faithfully,

Mrs. Archana S. Gaikwad Program Coordinator

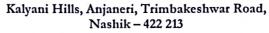
Prof. (Dr.) N. R. Wankhade Head of Computer Dept. Prof. (Dr.) S. B. Bagal Principal

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Anjaneri Nashik



#### Late G. N. Sapkal College of Engineering





Title of the Program: Five days Add-on Program on "Android Development"

Number of Day(s): 05 Day

Dates(s) of Conduction:

From 26/08/2019 to 30/08/2019

Venue: PG Lab

Number of Participants: 65

#### **Program Objectives:**

- 1. To adapt usage of modern tools and recent software.
- 2. To create data-driven web applications.
- 3. To study android platform architecture and basic components of android.
- 4. Able to build android applications using user interface components, multimedia, animation and graphics as well as advance components of android such as GPS, JSON.

#### Name & Contact Details of the Resource Person(s):

1. Mr. Sukhad Kulkarni

Mobile: 9823692140

Anjaneri

#### **Description / Explanation of the Program:**

Workshop "Android Development" was organized by Department of Computer Engineering in association with CSI student chapter for third year engineering students. Program was started with the brief introduction and felicitation of resource person Mr. Sukhad Kulkarni by Prof.(Dr.) N. R. Wankhade, Head of Computer Engineering Department.

Following Aspects were covered in the talk:

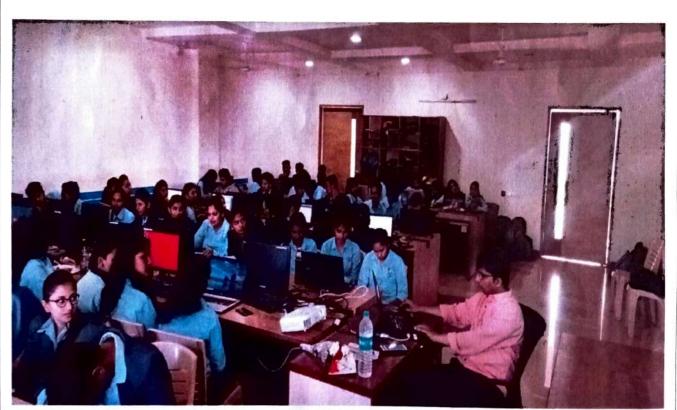
- 1. Android Installations
- 2. Study of android architecture.
- 3. Study of user controls, AVD creation.
- 4. Login page design
- 5. Development of audio and video playing media application.

#### Outcome of the Talk / Event:

- 1. Students are able to understand the basics of android.
- 2. Students are able to write code and design GUI for basic android applications.
- 3. Creating robust mobile applications and learn how to integrate them with other services
- 4. Creating intuitive, reliable mobile apps using the android services and components

#### Photographs of the Event:









Mrs. Archana S. Gaikwad **Program Coordinator** 

> Prof. (Dr.) Sahebrao B. Bagal Principal

> > Anjaneri Nashik

Prof. (Dr.) N. R. Wankhade Head of Computer Dept.



#### KALYANI CHARITABLE TRUST'S

### LATE G.N. SAPKAL COLLEGE OF **ENGINEERING**



Kalyani Hills, Anjaneri-Vadholi, Trimbakeshwar Toad, Dist: Nashik-422212(India) Fax: +91-2594-220174 Tel.:+91-2594-220168/71.

Website:www.sapkalknowledgehub.org, Email: gns\_engineering@sapkalknowledgehub.com

#### Department of Computer Engineering

Program Module and Outcome 5 days Certificate Course/Add-on Course on "ANDROID DEVELOPMENT Program"

Sr No.	Module	Syllabus
1	Module 1	Introduction to Android, Application Structure (in detail). The SQLite Database
2	Module 2	Emulator-Android Virtual Device, Basic UI design, Advanced User Interface DesignAndroid Secure Coding
3	Module 3	Android Debug Bridge (adb) tool, Testing and Debugging Android Application, Android Application Deployment
4	Module 4	How to integrate Location-Based Services in the Android application is covered in this section

Sr No.	Module	Outcome
1	Module 1	Learn how to Install and configure Android application development tools
2	Module 2	Design and develop user Interfaces for the Android platform.
3	Module 3	Save state information across important operating system events.
4	Module 4	Apply Java programming concepts to Android application development

Mrs. Archana S. Gaikwad Prof. (Dr.)-N.R. Wankhade **Program Coordinator** 

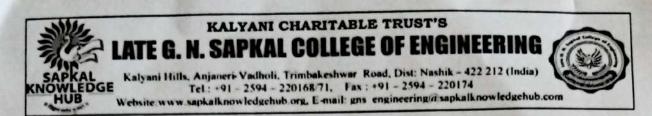
**HOD Computer** 

Prof.(Dr.) S. B. Bagal Principal

Prof.(Dr.) Sahebrao B. Bagal Principal

Late G. N. Sapkal College of Engineering Anjaneri, Nashik-422 213.





#### Department of Computer Engineering Add On Program On

### **Android Development**

In Association with IQAC Cell, LGNSCOE Nashik 26th to 30th August, 2019 Session wise Schedule

Sr. No.	Session	Details
Monday	Session I (10:00 am to 12:00 pm)	Inauguration of Program Introduction to Java and Android, Android Stack Introduction.
26/08/2019	Session II (1:00 pm to 4:00 pm)	Installing Android and creating first app on emulator
	Session I (10:00 am to 12:00 pm)	Hands on Session Android App build process.
Tuesday 27/08/2019	Session II (1:00 pm to 4:00 pm)	Java overview- Datatypes, Loops, Conditionals & Operators. Android UI- resources, themes, threads etc
Belle	Session I (10:00 am to 12:00 pm)	Study of android architecture.
Wednesday 28/08/2019	Session II (1:00 pm to 4:00 pm)	Hands on Session Assignments on Java Classes, Objects, Methods, Instances etc Study of user controls, AVD creation.
Thursday	Session I (10:00 am to 12:00 pm)	Application Frameworks, Android Libraries, Run time, Dalvik Virtual Machine
29/08/2019	Session II (1:00 pm to 4:00 pm)	Hands on Session Login page design
Friday	Session I (10:00 am to 12:00 pm)	Android Graphics and Multimedia
30/08/2019	Session II (1:00 pm to 4:00 pm)	Hands on Session Development of audio and video playing media application



Prof.(Dr.) Sahébrao B. Bagal Principal

Late G. N. Sapkal College of Engineering Anjaneri, Nashik-422 213

#### LATE G. N. SAPKAL COLLEGE OF ENGINEERING

(Accredited with Grade 'B' by NAAC)

Affiliated to > Savitribal Phule Pune University (ID. No.PU/NA/Engg /152/2009 Ref No. CA/6501 Dated: 18/11/2009)

Approved by > A.I.C.T.E., New Delhi (F.N. 06/07/MS-Engg/2008/O-17, Dated- 11th June 2009)

> Govt. of Maharashtra (No. GEC-2009/(67/09)/T.E.- 4, Dated- 15th June 2009)

D.T.E., M.S., Mumbal (No.2/NGC/Engg./Approval/2009/535, Dated - 23rd July 2009)

> AISHE CODE : C-42196



Dr. Ravindra G. Sapkal Chairman & Managing Drack Kalyanii Charlistia Trust

Date: 30/08/2019

Ref: KCT's /LGNSCOE/2019-20/ 181(日)

To,

Dr. Sahebrao B. Bagal

M.E. (E & TC), Ph.D. (E &TC)

Principa

Mr. Sukhad Kulkarni

Nashik.

Subject: - Letter of appreciation.

Dear Sir.

We would like to take this opportunity to express our appreciation to you for successfully conducting 5 days Add On program "Android Development" organized by Department of Computer Engineering of Late G. N. Sapkal College of Engineering, Nashik in association with IQAC cell LGNSCOE Nashik, during 26th August 2019 to 30th August 2019.

It was extremely informative, and participation illustrated the importance of this topic to our students. We would like to thank about your personally taking time out of your hectic schedule to provide us with the full of information.

Thanking You,

With warm regards.

Prof. (Dr.) N. R. Wankhade Head of Computer Department

Accepted Received

Prof. (Dr.) S. B. Bagal Principal



CAMPUS: Sapkal Knowledge Hub, Kalyanii Hills, Anjaneri-Wadholi, Trimbakeshwar Road, Nashik - 422 213. (India)

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### Kalyani Charitable Trust's LATE G. N. SAPKAL

#### **COLLEGE OF ENGINEERING**

Sapkal Knowledge Hub, Kalyani Hilis, Anjaneri, Tal. Trimbakeshwar, Dist. Nashik - 422 212

"Parag", 46, Ashwin Sector, Opp. Hotel Sai Palace, Mumbal-Agra Highway, Nashik - 422 009. Maharashtra(India)



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Date : 30/08 20 19

#### CASH VOUCHER

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TOTAL	2000/-

Checked by

Approved by Principal

Late G.N.S. College of Engineering

Chairman & MD Late G.N.S. College of Engineering Received by

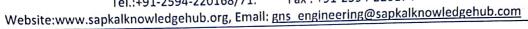




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Kalyani Hills, Anjaneri-Vadholi, Trimbakeshwar Toad, Dist: Nashik-422212(India)

Tel.:+91-2594-220168/71. Fax:+91-2594-220174



## Department of Computer Engineering in Association with IQAC

ATTENDANCE OF PARTICIPANTS (Students)

Five Days Add-on Program on "Android Development"

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Prof.(Dr.) Sahebrao B. Bagal Principal

Late G. N. Sapkal College of Engineering Anjaneri, Nashik-422 213. Anjaneri 9 Nashik m 422 212



#### KALYANI CHARITABLE TRUST'S

## LATE G.N. SAPKAL COLLEGE OF ENGINEERING



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Website:www.sapkalknowledgehub.org, Email: gns engineering@sapkalknowledgehub.com

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Sapkal College Sapkal College Anjaneri Washik m 422 212 9

Prof.(Dr.) Sahebrao B. Bagal Principal

Late G. N. Sapkal College of Engineering Anjaneri, Nashik-422 213.



#### KALYANI CHARITABLE TRUST'S

### LATE G.N. SAPKAL COLLEGE OF ENGINEERING



of.(Dr.) Sahebrao B. Baga

Nashik

Principal
G. N. Sapkal College of Engineerin
Anjaneri, Nashik-422 213.

Kalyani Hills, Anjaneri-Vadholi, Trimbakeshwar Toad, Dist: Nashik-422212(India) Tel.:+91-2594-220168/71. Fax:+91-2594-220174

 $Website: www.sapkalknowledge hub.org, Email: \underline{gns} \underline{\ engineering@sapkalknowledge hub.com}$ 

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## Department of Computer Engineering

Analysis Report of Add-On Certificate program on 'Android Development' Feedback Form

Name of the Speaker: Mr. Sukhad Kulkarni

Date: 26/08/2019 To 30/08/2019

Sr. No.	Performance Attributes	Scale→	1	2	3	Sample Size	Average Rating Out of 3
		Qty	10	18	24	52	
1	Did you find the workshop is useful?	Point wise weightage	10	36	72	118	2.27
	Control of the Contro	Qty	9	17	27	53	
2 Did	Did it Fulfill your expectation?	Point wise weightage	9	34	81	124	2.34
8/0	Did the Workshop improve your knowledge about the topic discussed?	Qty	5	18	29	52	
3		Point wise weightage	5	36	87	128	2.46

Prof. (Dr.) N. R. Wankhade HOD Sapkal College G Anjaneri Sa Nashik m 422 212

Prof. (Dr.) S. B. Bagal

Principal

Person Sales Golden Series States & States

Prof. (Dr. ), Sahebiad B. Ba

## Late G. N. Sapkal College of Engineering Department of Computer Engineering FEEDBACK OF PARTICIPANTS

Title of the Program/Event: 5 Days Certificate course on "Android Development"
Department of Computer Engineering
in Association with IQAC

Name of Participant: kumbhaz shubham shaiman?

Name of the Faculty: Mechanical / Civil / Electrical / E&TC / Computer / Other

	Did you find the Workshop is	1	2	3
1.	useful?			
		1-not useful;	2-To some Extend	l; 3-Very useful
		1	2	3
2.	Did it fulfill your expectation?		V	
		1-not useful;	2-To some Extend	1; 3-Very useful
	Did the Workshop improve your	1	2	3
3.	knowledge about the topic			V
1	discussed?	1-not useful;	2-To some Extend	i; 3-Very useful
3.	Suggestion to further improvement:			

Date: 30/08/2019

Sapkal College Mashik m 422 212 3 Signature of Participants

## Late G. N. Sapkal College of Engineering <u>Department of Computer Engineering</u> **FEEDBACK OF PARTICIPANTS**

Title of the Program/Event: 5 Days Certificate course on "Android Development"
Department of Computer Engineering
in Association with IQAC

Name of Participant: Nagore Kiran Kisan

Name of the Faculty: Mechanical / Civil / Electrical / E&TC / Computer / Other

1.	Did you find the Workshop is useful?	1	2	3
		1-not useful; 2	2-To some Extend	; 3-Very useful
		1	2	3
2.	Did it fulfill your expectation?		ATT BY MALE	TO LOUIS BO
		1-not useful; 2	2-To some Extend	; 3-Very useful
	Did the Workshop improve your	1	2	3
3.	knowledge about the topic			
	discussed?	1-not useful; 2	2-To some Extend	; 3-Very useful
3.	Suggestion to further improvement:		,	

Anjaneri

Date: 30/08/2019 .

Signature of Participants



## Late G. N. Sapkal College of Engineering



Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik

#### **Department Of Computer Engineering**

### Certificate

This is to certify that Porje Tushar Sanjay	has completed Five
days Program on "Android Development" organized by Cor	nputer Engineering Department
of Late G. N. Sapkal College of Engineering in Association	
2019 to August 30th , 2019.	

Prof. A. S. Gaikwad

**Program Coordinator Add-on Program** 

Prof. (Dr.) N. R. Wankhade

**Head of Department** 

Prof. (Dr.) S. B. Bagal



## Late G. N. Sapkal College of Engineering



Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik

#### **Department Of Computer Engineering**

### Certificate

This is to certify that Nagare kiran kisan.	has completed Five
days Program on "Android Development" organized by Compu	ter Engineering Department
of Late G. N. Sapkal College of Engineering in Association with	th IQAC from August 26th,
2019 to August 30th , 2019.	

Prof. A. S. Gaikwad

Program Coordinator Add-on Program

Prof. (Dr.) N. R. Wankhade

**Head of Department** 

Prof. (Dr.) S. B. Bagal



## Late G. N. Sapkal College of Engineering



Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik

#### **Department Of Computer Engineering**

## Certificate

This is to certify that	More	Harshada	Rajesh	has completed Five
days Program on "Andr	oid Develo	pment" organize	d by Compute	er Engineering Department
of Late G. N. Sapkal C	ollege of E	ngineering in As	sociation with	IQAC from August 26th ,
2019 to August 30th, 20	19.			

Prof. A. S. Gaikwad

**Program Coordinator Add-on Program** 

Prof. (Dr.) N. R. Wankhade

**Head of Department** 

Prof. (Dr.) S. B. Bagal



#### Late G. N. Sapkal College of Engineering



Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik

#### **Department Of Computer Engineering**

### Certificate

This is to certify that	Shweta Patil	has completed Five
days Program on "Andro	oid Development" organized by Co	mputer Engineering Department
of Late G. N. Sapkal Co	ollege of Engineering in Association	n with IQAC from August 26th,
2019 to August 30th, 201	9.	

Prof. A. S. Gaikwad

**Program Coordinator Add-on Program** 

Prof. (Dr.) N. R. Wankhade

**Head of Department** 

Prof. (Dr.) S. B. Bagal



## Late G. N. Sapkal College of Engineering



Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik

#### **Department Of Computer Engineering**

### Certificate

This is to certify that	Date	Shraddha	keshaw.	has completed Five
days Program on "Andı	oid Develo	oment" organiz	ed by Comput	er Engineering Department
of Late G. N. Sapkal C	college of Er	ngineering in A	ssociation with	n IQAC from August 26th,
2019 to August 30th , 20	19.			

Prof. A. S. Gaikwad

**Program Coordinator Add-on Program** 

Prof. (Dr.) N. R. Wankhade

**Head of Department** 

Prof. (Dr.) S. B. Bagal