



SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND M.H. MEHTA SCIENCE COLLEGE, PALGHAR

DEPARTMENT OF INFORMATION TECHNOLOGY

Certificate Course in Android Application Development

Under the Aegis of

Centre for Excellence and Innovation

Academic Year: 2020-2021

Prof. Mahesh Deshmukh
CFEI – Chairman

Dr. Kiran Save
Principal

DEPARTMENT OF INFORMATION TECHNOLOGY
Certificate course in ANDROID APPLICATION DEVELOPMENT
REPORT 2020-2021
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Date: 3rd September, 2020

To,

The Principal

Sonopant Dandekar Arts, V.S. Apte Commerce and

M.H. Mehta Science College,

Palghar.

Subject: Proposal for Organizing Online Certificate Course in Android Application Development

Respected Sir,

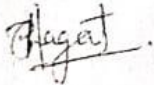
The Department of Information Technology plan to organize the Online Certificate Course in Android Application Development.

I request you to allow us to conduct the Certificate Course from 22nd September, 2020

The details are provided along with this letter. I request you to kindly grant the permission to start this course.

Thanking you.

Yours faithfully



Dr. Ashwin Bhagat
HOD – Information Technology



Allowed
[Signature]



Sonopant Dandekar Shikshan Mandali's
**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE
AND M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

PROPOSAL

DEPARTMENT OF INFORMATION TECHNOLOGY

Presents

30 Days Online Certification Course

Certificate Course in Android Application Development

Objectives	:	This course facilitates classroom and laboratory learning, letting students develop competence and confidence in android programming and understand the entire Android Apps Development Cycle, as well as it would also enable the students to independently create new Android Applications.
Learning Outcomes	:	It would enable the students to independently create new Android Applications.
Duration	:	60 Hours
Eligibility of Students	:	12th (Science/I.T) FY/SY/TY (Science)
Fees	:	Rs. 300/-
Intake Capacity	:	Maximum 40 students per session.
Exam pattern	:	Evaluation will be based on the building an android application taught during the session.
Proposed day and date	:	September 22, 2020

CERTIFICATE COURSE SYLLABUS COMMITTEE:

Sr. No.	Name	Designation
1.	Dr. Kiran J. Save	Principal, Sonopant Dandekar College, Palghar
2.	Prof. Mahesh Deshmukh	CFEI - Chairman, Sonopant Dandekar College, Palghar
3.	Prof. Krutika H. Churi	Assistant Professor, Department of I.T.
4.	Prof. Bhakti N. Raut	Assistant Professor, Department of I.T.

LIST OF SUBJECT TEACHERS/ EXPERTISE FACULTY:

Sr. No.	Name	Qualifications
1.	Prof. Krutika H. Churi	MSc.IT
2.	Prof. Bhakti N. Raut	MSc.IT

SYLLABUS

Sr. No	Topic
1	Introduction to Android
2	Installation of AIDE
3	Introduction of UIcomponents
4	Application Structure(in detail) <ul style="list-style-type: none"> • Android Manifest.xml • uses-permission & uses-sdk Resources & R.java • Layouts & Drawable Resources • Activities and Activity lifecycle
5	First Android Application (Hello World)
6	Emulator-Android Virtual Device Creation of Emulator Launching Emulator Running First App on Emulator
7	Basic UI design <ul style="list-style-type: none"> • Form widgets • TextFields • Layouts • [dip,dp,sip,sp] versus px • EventListeners Activity: Design a simple Registration and Login page
8	Intents (in detail) <ul style="list-style-type: none"> • Explicit Intents • Implicit Intents Activity: Make use of Intent in App
9	<ul style="list-style-type: none"> • UI design • Time and Date • Images • Alert Dialogs & Toast Popup Activity: Design a screen to make use of These UI components
10	Internet Connectivity Activity: Design a screen to check Internet connection on Mobile phone
11	Telephony Services <ul style="list-style-type: none"> • Making call • Sending SMS Activity: Design a screen to make use telephony services
12	

	<ul style="list-style-type: none">• Menu• What is Menu?• Custom Vs. System Menus• Creating and Using Hand set menu Button (Hardware) <p>Activity: Design a menu screen</p>
13	<ul style="list-style-type: none">• Linkify• Web• URLs• Email Address <p>Text</p> <p>Activity: Design a simple screen to load a web page</p>



Sonopant Dandekar Shikshan Mandali's

Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College, Palghar

(Best College - University of Mumbai)

(Amongst Top 100 Colleges in India by 'India Today - MDRA Survey 2019')

Date: 11th September, 2020

NOTICE

This is to inform all the 12th science/FY/SY/TY(I.T./Com Science) college students that Department of Information Technology is organizing a 30 days Online certification course on the topic “**Android Application Development**“ from 22nd September 2020.

The fees for the above course is Rs. 300.

Students can pay fees in online mode through Google Pay or Phone Pay - 9730416146

Once the payment is made, the students can register for the above course and upload the payment screen shot on or before 15th September 2020 through google form link- <https://bit.ly/2TEttWi>

After successful completion of the course and Examination, participants will get E-certificate from college.

For further details contacts:

Prof. Krutika H. Churi - 9730416146

Prof. Bhakti N. Raut - 9271566985

Dr. Ashwin D. Bhagat
Head of IT Department

Prof. Mahesh Deshmukh
CFEI - Chairman

Dr. Kiran Save
Principal
Sonopant Dandekar Arts College,
V.S. Apte Commerce College &
M.H. Mehta Science College
PALGHAR (W.R.)
Dist. Palghar, Pin-401404

BROCHURE

Sonopant Dandekar College, Palghar
Department. of Information Technology
presents



ANDROID APPLICATION DEVELOPMENT

NOW BUILD YOUR ANDROID APPS USING SMARTPHONE

- ▶ Only **SmartPhone with internet** connectivity is required.
- ▶ Applicable for students from any stream.
- ▶ Last date to apply:
15th Sept, 2020
- ▶ **Hurry! Limited seats only**



Registration link:

<https://bit.ly/2TETTwi>

Contact for more details:

Prof. Krutika H. Churi

+91 8369212196

Prof. Bhakti N. Raut

+91 8805794989

COURSE FEE

₹ 300/-

STUDENT ENROLMENT LIST

Sr. No.	Full Name
1	Singh Rajan G
2	Kini Sakshi S
3	Singh Om R
4	Maurya Shivam J
5	Panchal Shweta R
6	Raut Siddhi P.
7	Chauhan Jyoti G
8	Dhumal Shivani M
9	More Siddhi M
10	More Riddhi M
11	Varma Monica M
12	Sankhe Nikita D
13	Mahajan Apurva
14	Patil Mansawi
15	Patil Nishigandha M
16	Pimple Aditi Manoj
17	Patil Isha D
18	Shinde Sahil S
19	Patil Pratik V
20	Ahire Dhruvi
21	Ambelkar Bhagyashri

22	Bari Piyush
23	Bari Vaishnav Krushna
24	Dhadpi Asmita Rama
25	Chauhan Jyoti Guddu
26	Gupta Amar Guddu
27	Jha Anish Anil
28	Jha Anjali Nirmal
29	Patil Shubham Pankaj
30	Patil Urvashi Uday
31	Pawar Jay Ananda
32	Rajak Sandeep Prem
33	Sahani Kajal
34	Raut Dhruvank Manoj
35	Satvi Tanvi Kishor
36	Saw Ashish Umesh
37	Singh Shalini Umesh
38	Singh Sumit Sanjay
39	Yadav Laxmi Patiram
40	Yadav Pankaj



Dr. Ashwin Bhagat

Course Convener

ONLINE ATTENDANCE REPORT (TWO SESSIONS PER DAY)

Full Name	Day 1 (22/09/ 20)	Day 2 (23/09/ 20)	Day 3 (29/09/ 20)	Day 4 (30/09/ 20)	Day 5 (21/08/ 20)	Day 6 (06/10/ 20)	Day 7 (07/10/ 20)	Day 8 (13/10/ 20)	Day 9 (14/10/ 20)	Day 10 (20/10/ 20)	Day 11 (21/10/ 20)	Day 12 (27/10/2 020)	Day 13 (28/10/ 20)	Day 14 (03/11/ 20)	Day 15 (04/11/ 20)
Singh Rajan G	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
Kini Sakshi S	P	P	P	P	A	P	P	P	P	P	P	P	P	A	A
Singh Om R	P	P	A	A	P	A	A	A	A	A	A	A	A	P	P
Maurya Shivam J	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
Panchal Shweta R	P	P	A	P	A	P	P	P	A	A	A	A	P	A	P
Raut Siddhi P.	P	P	P	A	P	A	A	A	A	A	A	A	A	A	P
Chauhan Jyoti G	P	P	P	P	A	P	A	P	A	P	P	A	P	P	P
Dhumal Shivani M	P	P	A	A	A	A	A	A	A	A	P	A	P	A	A
More Siddhi M	P	P	P	P	P	P	P	A	P	A	A	A	P	P	A
More Riddhi M	P	P	A	P	A	P	P	P	A	A	A	A	P	A	P
Varma Monica M	A	A	A	A	A	P	P	P	A	A	P	P	A	P	P
Sankhe Nikita D	P	P	P	P	P	A	A	P	A	P	P	P	P	P	P
Mahajan Apurva	A	A	A	A	A	P	P	P	A	A	P	P	A	A	A
Patil Manswi	P	P	P	P	P	A	A	P	A	P	P	P	A	A	P
Patil Nishigandha M	P	P	P	P	A	A	P	P	A	A	A	P	P	P	P
Pimple Aditi Manoj	P	P	P	P	A	A	P	P	P	A	A	A	P	A	A
Patil Isha D	P	P	P	A	P	A	A	A	A	A	A	A	A	A	P
Shinde Sahil S	P	P	P	P	A	P	A	P	A	P	P	A	P	P	P
Patil Pratik V	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A
Ahire Dhruvi	P	P	P	A	P	A	A	A	A	A	A	A	A	A	P

Ambelkar Bhagyashri	P	P	P	P	P	P	A	P	P	A	A	P	P	P	P
Bari Piyush	A	P	A	A	A	A	A	P	P	P	A	A	P	P	P
Bari Vaishnav Krushna	P	A	P	P	P	P	P	A	A	P	A	P	P	P	P
Dhadpi Asmita Rama	A	A	A	A	A	A	P	P	A	A	A	A	A	A	A
Chauhan Jyoti Guddu	A	A	A	A	P	P	A	A	A	P	A	A	A	P	P
Gupta Amar Guddu	P	P	P	A	A	A	P	P	A	P	A	P	P	P	P
Jha Anish Anil	A	P	A	P	A	A	A	P	A	P	A	P	A	A	A
Jha Anjali Nirmal	P	P	A	A	P	P	A	A	P	P	A	P	A	A	P
Patil Shubham Pankaj	P	P	P	A	P	P	P	A	P	A	P	A	P	P	A
Patil Urvashi Uday	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
Pawar Jay Ananda	A	A	A	A	P	A	P	P	A	A	P	P	P	P	P
Rajak Sandeep Prem	P	P	P	A	A	P	A	A	P	P	P	P	A	A	P
Sahani Kajal	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
Raut Dhruvank Manoj	P	P	P	P	P	P	P	A	A	A	A	A	A	P	P
Satvi Tanvi Kishor	P	A	A	P	P	A	A	P	P	A	P	A	A	P	A
Saw Ashish Umesh	P	P	A	P	P	P	A	P	A	P	A	P	P	A	A
Singh Shalini Umesh	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
Singh Sumit Sanjay	P	A	A	P	P	A	A	P	P	A	P	A	A	P	P
Yadav Laxmi Patiram	P	P	A	P	P	P	A	P	A	P	A	P	P	A	A
Yadav Pankaj	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A

Bhagat

Dr. Ashwin Bhagat
Course Convner

SYLLABUS COVERAGE DETAILS

Sr. No.	Topic covered	Date	Faculty
1	Introduction to Android Studio	22-09-20	Prof. Bhakti N. Raut
2	Installation of AIDE	23-09-20	Prof. Krutika H. Churi
3	Introduction of UI components	29-09-20	Prof. Bhakti N. Raut
4	UI components	30-09-20	Prof. Bhakti N. Raut
5	String, Drawable, Theme,	06-10-20	Prof. Krutika H. Churi
6	Activity, Activity lifecycle, Intent, Explicit	07-10-20	Prof. Krutika H. Churi
7	UI elements	13-10-20	Prof. Bhakti N. Raut
8	Explicit Intent (Pass data between two activities)	14-10-20	Prof. Krutika H. Churi
9	UI Element (Radio, check, image view)	20-10-20	Prof. Bhakti N. Raut
10	Implicit Intent, example on Implicit /Explicit Intent	21-10-20	Prof. Krutika H. Churi
11	Menu in android	27-10-20	Prof. Krutika H. Churi
12	Layouts, weight	28-10-20	Prof. Bhakti N. Raut
13	Program to design Calculator	03-11-2020	Prof. Krutika H. Churi
14	Program to check internet connectivity	04-11-2020	Prof. Krutika H. Churi
15	Popup, Calling, SMS, Email, WebView	5-11-20	Prof. Bhakti N. Raut

Bhagat

Dr. Ashwin Bhagat
Course Convener

STUDENTS EVALUATION

Grading Pattern:- O: Marks ≥ 35 A: Marks ≥ 30 B: Marks ≥ 20 C: Marks ≥ 10 Fail: Marks < 10					
Sr. No.	Students Name	Assignment (30)	Quiz (20)	Total Marks (50)	Grade
1	Singh Rajan G	20	10	30	A
2	Kini Sakshi S	10	10	20	B
3	Singh Om R	15	10	25	B
4	Maurya Shivam J	10	10	20	B
5	Panchal Shweta R	21	10	31	A
6	Raut Siddhi P.	22	10	32	A
7	Chauhan Jyoti G	21	10	31	A
8	Dhumal Shivani M	16	10	26	B
9	More Siddhi M	19	6	25	B
10	More Riddhi M	10	10	20	B
11	Varma Monica M	15	10	25	B
12	Sankhe Nikita D	15	10	25	B
13	Mahajan Apurva	21	10	31	A
14	Patil Manswi	23	10	33	A
15	Patil Nishigandha M	25	6	31	A
16	Pimple Aditi Manojl	35	10	45	O
17	Patil Isha D	20	10	30	A
18	Shinde Sahil S	21	9	30	A
19	Patil Pratik V	20	10	30	A
20	Ahire Dhruvi	10	10	20	B
21	Ambelkar Bhagyashri Anant	15	9	24	B

22	Bari Piyush Bhalchandra	10	6	16	C
23	Bari Vaishnav Krushna	21	10	31	A
24	Dhadpi Asmita Rama	22	8	30	A
25	Chauhan Jyoti Guddu	21	4	25	B
26	Gupta Amar Guddu	16	10	26	B
27	Jha Anish Anil	19	10	29	B
28	Jha Anjali Nirmal	10	10	20	B
29	Patil Shubham Pankaj	15	8	23	B
30	Patil Urvashi Uday	15	6	21	B
31	Pawar Jay Ananda	21	10	31	A
32	Rajak Sandeep Prem	23	10	33	A
33	Sahani Kajal Shailendra	25	10	35	O
34	Raut Dhruvank Manoj	35	8	43	O
35	Satvi Tanvi Kishor	20	10	30	A
36	Saw Ashish Umesh	21	8	29	B
37	Singh Shalini Umesh	15	10	25	B
38	Singh Sumit Sanjay	10	10	20	B
39	Yadav Laxmi Patiram	21	10	31	A
40	Yadav Pankaj Chandrabhan	22	10	32	A

Bhagat

Dr. Ashwin Bhagat

Course Convener

SAMPLE CERTIFICATES



Sonopant Dandekar Arts, V.S. Apte Commerce and
M.H. Mehta Science College, Palghar

Address - Kharekuran road, Palghar. District - Palghar



CERTIFICATE OF COMPLETION



THIS CERTIFICATE IS TO CERTIFY

Suyash Dinesh Mishra

has successfully completed short term course on Android Development, organized
by Department of Information Technology under the umbrella of Centre for
Excellence and Innovation from 22nd September, 2020 to 5th November, 2020

MDeshmukh

PROF. MAHESH DESHMUKH
CFEI -



Kirane

DR. KIRAN SAVE

Principal
Sonopant Dandekar Arts College,
V.S. Apte Commerce College &
M.H. Mehta Science College
PALGHAR (W.R.)
Dist. Palghar, Pin-481404



**Sonopant Dandekar Arts, V.S. Apte Commerce and
M.H. Mehta Science College, Palghar**

Address - Kharekuran road, Palghar. District - Palghar



**CERTIFICATE
OF COMPLETION**



THIS CERTIFICATE IS TO CERTIFY

Tanvi Kishor Satvi

**has successfully completed short term course on Android Development, organized
by Department of Information Technology under the umbrella of Centre for
Excellence and Innovation from 22nd September, 2020 to 5th November, 2020**

MDeshmukh

PROF. MAHESH DESHMUKH
CFEI -



Kiran

DR. KIRAN SAVE

Principal
Sonopant Dandekar Arts College,
V.S. Apte Commerce College &
M.H. Mehta Science College
PALGHAR (W.R.)
Dist. Palghar, Pin-401404



**Sonopant Dandekar Arts, V.S. Apte Commerce and
M.H. Mehta Science College, Palghar**

Address - Kharekuran road, Palghar. District - Palghar



**CERTIFICATE
OF COMPLETION**



THIS CERTIFICATE IS TO CERTIFY

Sumit Sanjay Singh

**has successfully completed short term course on Android Development, organized
by Department of Information Technology under the umbrella of Centre for
Excellence and Innovation from 22nd September, 2020 to 5th November, 2020**

MDeshmukh

PROF. MAHESH DESHMUKH
CFEI -



Kirane

DR. KIRAN SAVE

Principal
Sonopant Dandekar Arts College,
V.S. Apte Commerce College &
M.H. Mehta Science College
PALGHAR (W.R.)
Dist. Palghar, Pin-401404

SUMMARY REPORT

During the COVID-19 pandemic, a comprehensive Android Development course was conducted online to equip participants with essential skills in mobile app development. The course aimed to address the growing demand for skilled developers in the tech industry and provide learning opportunities amidst lockdown restrictions.

Course Overview

Date of Enrolment: 22nd September, 2020

Date of Completion: 5th November, 2020

Duration: 60 Hours

Mode of Delivery: Online (via Zoom)

Participants: 40

Instructors: 2 Faculties with extensive experience in Android development

Quizzes and Assignments: Weekly quizzes and coding assignments to track progress.

Certification: Certificate of completion awarded to participants who successfully met all course requirements.

The Android Development course conducted during the pandemic successfully provided valuable learning opportunities and equipped participants with essential skills for the tech industry. The positive outcomes and feedback demonstrate the effectiveness of online education in delivering quality training, even in challenging times. Future iterations of the course will incorporate participant feedback to further enhance the learning experience.



Dr. Ashwin Bhagat

HOD – Information Technology