

# Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(IAO9001-2015 and ISO14001-2015 certified Institute)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Phone:080-28372800/1/2

www.sapthagiri.edu.in

Fax: 080-28372797

## CIRCULAR

**Date:** 11/08/2020

**Subject:** Academic committee members meeting for analyzing curriculum syllabus of Academic Year 2020-21.

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of Academic Year 2020-21. The meeting is scheduled on 12/08/2020 at 10.30 pm in HOD's chamber.

Sl No.	Faculty Name	Designation	Signature
1	Dr. H. R Ranganatha	HOD	H R R O W
2	Dr. Asha P N	Associate Professor	AS
3	Prof. Prerana Chaithra	Associate Professor	Prer
4	Prof. Sudarsanan D	Assistant Professor	Sud
5	Prof. Gayathri R	Assistant Professor	GR

H R R O W

HOD

Dr H.R Ranganatha  
Prof. & H.O.D

Dept. of Information Science & Engg  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Main Road  
BENGALURU-560 057

Principal

Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road,  
Bangalore-560 057

## MINUTES OF MEETING

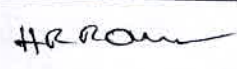
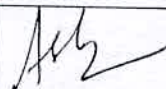



**Date:** 12/08/2020

With reference to circular dated on 11/08/2020, the academic committee member assembled in HOD's chamber for addressing the following agenda.

### Agenda:

- Reviewing the department curriculum syllabus of Academic Year 2020-21
- Reviewing the feedback analysis of various stake holders of the academic year 2019-20.
- Identifying the gaps
- Action to be taken for the identified gaps.

During the meeting the following members were present

Sl No.	Faculty Name	Designation	Signature
1	Dr. H. R Ranganatha	HOD	
2	Dr. Asha P N	Associate Professor	
3	Prof. Prerana Chaithra	Associate Professor	
4	Prof. Sudarsanan D	Assistant Professor	
5	Prof. Gayathri R	Assistant Professor	

The following points were discussed in the meeting

1. The committee members reviewed the department curriculum syllabus of academic year 2020-21.
2. The committee members discussed about the feedback of department curriculum syllabus of academic year 2019-20.
3. The members identified the gaps based on the analysis.

  
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4. The following actions were taken for the gaps that are identified.

SL.NO	SEM	Course Title	Identified Gap
1	V-A/B	Mobile Application Development using Android Studio	Lack of practical implementation

## Action Taken:

Based on the feedback obtained from students, faculties and alumni, analysis of syllabus by department academic committee members, it was decided to conduct Certification Program on “**Mobile Application Development using Android Studio**” to overcome the gaps identified in the curriculum/syllabus.

  
HOD

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**Date:** 14/08/2020

**To**

IQAC

Sapthagiri College of Engineering

Bengaluru-560 057


Respected Sir,

**Subject:** Requisition for conduction of Certification Program and approval from Governing Council.

With respect to the Academic committee members meeting held for analyzing department curriculum/syllabus for the academic year 2020-21. The committee members identified few gaps after analyzing the syllabus and feedback from the stakeholders. To bridge the gaps identified in the curriculum, the committee members decided to conduct a Certification Program on "**Mobile Application Development using Android Studio**" for the academic year 2020-21. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,

**Enclosure:** Budget Proposal

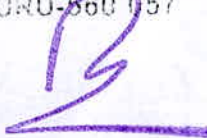
*Forwarded to GC  
for approval*  




**HOD**

Dr. H.R. Ranganatha  
Prof. & H.O.D

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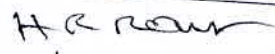
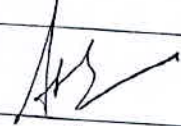



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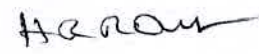


**CIRCULAR**

**Date: 03-01-2021**

This is to inform that the following Academic Committee members are requested to attend the meeting on 06/01/2021 at 10.30AM in the HODs chamber to decide the syllabus and the lesson plan for the Certification Program on “**Mobile Application Development using Android Studio**”.

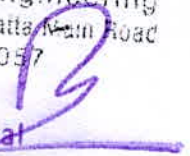
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3	Prof. Prerana Chaithra	Associate Professor	
4	Prof. Sudarsanan D	Assistant Professor	
5	Prof. Gayathri R	Assistant Professor	



**HOD**

**Dr. H.R. Ranganatha**  
**Prof. & H.O.D**

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Date: 02-01-2021

To,

Prof. Apoorva S.  
Assistant Professor,  
Department of CSE,  
S.J.C. Institute of Technology,  
Chickkaballapur.

Respected Sir,

**Subject:** Invitation to be the Resource Person for the Certification Program and  
to attend meeting to discuss about the Certification Program

Department of Information Science & Engineering have planned to conduct a  
Certification Program titled “**Mobile Application Development using Android Studio**” for  
5<sup>th</sup> semester students from 20-07-2021 to 25-01-2021. In this connection, we are privileged to  
invite you as the Resource Person on the above mentioned topic.

Thanking you for your kind acceptance to our request on phone. We request you to  
attend the meeting 06/01/2020 to discuss about the conduction of the Certification Program .  
We look forward to welcome you at SCE.

Thanking you,

Principal  
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Chikkasandra, Hesaraghatta Road,  
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H.R. Ranganatha

HOD

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## Minutes of Meeting

A meeting was conducted on 06/01/2021 in ISE HOD's Chamber to discuss and approve the following about the 6 days Certification Program for 5<sup>th</sup> semester ISE Students.

- **Course Title :** Mobile Application Development using Android Studio

**Resource Personnel:** Prof. Apoorva S., Asst. Professor, Dept of CSE, S.J.C. Institute of Technology, Chickaballapur

**Course Duration & Date:** 6 Days from 20-Jan-2021 to 25-Jan-2021

- **Syllabus :**

- Android Studio
- Basics of Java
- XML
- JSON
- Case studies

Lesson Plan of the Certification Program

Dates	SESSION 1 (9.00am-10.40am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-5.00pm)
20-01-2021 Monday	Introduction to Android Studio	Introduction to Android Studio (Continued)	Hands on Session
21-01-2021 Tuesday	Basics of Java for coding in android studio	Basics of XML for design in android studio	Hands on Session
22-01-2021 Wednesday	Designing and coding of sample programs in java programming using android studio concepts	Case studies on Visiting card creation and Conversion of text to speech.	Hands on Session
23-01-2021 Thursday	Parsing of JSON and XML files	Case studies on phone dialer and changing wall paper	Hands on Session
24-01-2021 Friday	Introduction for the development of mini projects using android studio	Case Study on counter application	Hands on Session

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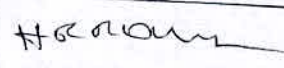
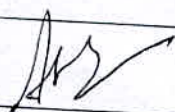

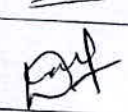
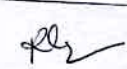

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25-01-2021 Saturday	Innovative ideas for the development of real time projects using android studio	Future scope of android studio	Hands on Session Test Conduction
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The following members were present in the meeting and the syllabus and lesson plan for the Certification Program has been decided.

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1	Dr. H. R Ranganatha	HOD	
2	Dr. Asha P N	Associate Professor	
3	Prof. Prerana Chaithra	Associate Professor	
4	Prof. Sudarsanan D	Assistant Professor	
5	Prof. Gayathri R	Assistant Professor	
6	Prof. Apoorva S	Resource Personnel	



**HOD**

Dr H.R Ranganatha

Prof. & H.O.D

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**Date:**02-01-2021

**To**

The Principal,  
Sapthagiri College of Engineering  
Bangalore - 560057.

Respected Sir,


**Subject:** Budget Proposal for conduction of Certification Program on “**Mobile Application Development using Android Studio**”.

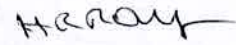
The Budget Proposal for conduction a Certification Program on “**Mobile Application Development using Android Studio**” from 20-Jan-2021 to 25-Jan-2021 is hereby enclosed for your kind consideration and approval.

The details of the Estimated Budget are given as follows:

Estimated Budget :

Sl. No.	Description	Quantity	Amount in Rs.
1	Bouquet	1	200
2	High Tea	Students	1000
3	Remuneration, TA & DA for the Resource Person	1	5000
4	Certificates	134	2010
5	Miscellaneous		140
Total			8350

  
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Dr. H.R. Raghunatha  
Prof. & H.O.D

Dept. of Information Science & Engg.  
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### NOTICE

As a part of programming skill development Department of Information Science and Engineering is conducting Six days Certification Program on “**Mobile Application Development using Android Studio**” from 20-Jan-2021 to 25-Jan-2021.

All the 5<sup>th</sup> semester ISE students must attend the course compulsorily.

HOD

Dr H.R. Ranganatna  
Prof. & H.O.D

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## 6 days Certification Program on "Mobile Application Development using Android

### Studio" Students Enrollment

ISC

Sl.No.	USN	Student Name	Signature
1.	1SG17IS023	ChandrakalaChamaraj Y alival	<i>Chandrakala</i>
2.	1SG17IS044	Kishore Kumar A	<i>Kishore Kumar</i>
3.	1SG18IS001	Aakash G Prasad	<i>Aakash</i>
4.	1SG18IS002	Aanchal P Jain	<i>Aanchal</i>
5.	1SG18IS003	Abhigna A Bharadwaj	<i>Abhigna</i>
6.	1SG18IS004	Abhishek Raj	<i>Abhishek</i>
7.	1SG18IS005	Akshaya R	<i>Akshaya R</i>
8.	1SG18IS006	AmaleVedikaRavindra	<i>Vedika</i>
9.	1SG18IS008	Ananya A	<i>Ananya</i>
10.	1SG18IS009	AnjanGowda C	<i>Anjan</i>
11.	1SG18IS010	Anjana G Nadig	<i>Anjana</i>
12.	1SG18IS011	Ankith P Chikkur	<i>Ankith</i>
13.	1SG18IS012	Ankush L	<i>Ankush</i>
14.	1SG18IS013	Anmol Singh	<i>Anmol</i>
15.	1SG18IS014	Anshul Kumar	<i>Anshul</i>
16.	1SG18IS015	AnuragMozumdar	<i>Anurag</i>
17.	1SG18IS016	Arjun B R	<i>Arjun</i>
18.	1SG18IS017	Arnav Raj	<i>Arnav</i>
19.	1SG18IS018	Ashmita S R	<i>Ashmita</i>
20.	1SG18IS019	Ashray B G	<i>Ashray</i>
21.	1SG18IS020	AyushSrivastav	<i>Ayush</i>
22.	1SG18IS021	AyushmanSrivastava	<i>Ayushman</i>
23.	1SG18IS022	Bharath B	<i>Bharath</i>
24.	1SG18IS023	BharathGowda R	<i>Bharath Gowda R</i>
25.	1SG18IS024	Bharath R	<i>Bharath</i>

Certificate  
Collection.

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26.	1SG18IS025	BhaskarAnand	Bhaskar
27.	1SG18IS026	Bhavana B	Bhavana
28.	1SG18IS027	BhupendraChaturvedi	Bhupendra
29.	1SG18IS028	BishakDey	Bishak
30.	1SG18IS030	Chandana H C	Chandana
31.	1SG18IS031	Darshini A	Darshini A
32.	1SG18IS032	Deepika S	Deepika S
33.	1SG18IS033	Deva R	Deva R
34.	1SG18IS034	Divya S Madival	Divya S
35.	1SG18IS037	Girish L	Girish L
36.	1SG18IS038	Gouthami V Kulkarni	Gouthami V.K
37.	1SG18IS039	Harshitha P V	Harshitha P.V.
38.	1SG18IS040	Harshitha R	Harshitha
39.	1SG18IS041	Hemanth Kumar K	Hemanth
40.	1SG18IS042	Hemanth P T	Hemanth
41.	1SG18IS043	Hemanth V Mane	Hemanth
42.	1SG18IS044	Hrithik R	Hrithik
43.	1SG18IS046	K B Geeta	Geeta
44.	1SG18IS047	K P Chandan	K P Chandan
45.	1SG18IS048	KavyaBhat	Kavya
46.	1SG18IS049	Kousalya B T	Kousalya
47.	1SG18IS050	Kumar Priyanshu	Kumar Priyanshu
48.	1SG18IS051	L Sandeep Reddy	L Sandeep Reddy
49.	1SG18IS052	Likhith N	Likhith
50.	1SG18IS053	Likhith R	Likhith R
51.	1SG18IS054	Likhitha D J	Likhitha D J
52.	1SG18IS055	Mahadevi N C	N.C. Mahadevi
53.	1SG18IS056	Mansi Singh	Mansi
54.	1SG18IS057	Meghana N	Meghana N
55.	1SG18IS058	Meghashree D P	Meghashree D P
56.	1SG18IS059	Minju A J	Minju

  
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57.	1SG18IS060	Mithunkumar H R	Mithu
58.	1SG18IS061	Monika P	Monika
59.	1SG18IS062	Nagashree V S M	Nagashree V.S.M
60.	1SG18IS063	Nandana S Hegde	Nandana
61.	1SG16IS030	Jeevanand	Jeevanand
62.	1SG17IS005	Akash	Akash
63.	1SG17IS019	Bhoomika S	Bhoomika
64.	1SG17IS047	Madhu M	Madhu
65.	1SG17IS063	Prajwal S	Prajwal
66.	1SG17IS076	Rashmi K P	Rashmi
67.	1SG18IS064	Nandini N K	Nandini
68.	1SG18IS065	Nandini R	Nandini R
69.	1SG18IS066	Navya Shree K S	Navyashree K.S.
70.	1SG18IS067	Neeraj S	Neeraj S
71.	1SG18IS068	Neha M P	Neha M.P
72.	1SG18IS069	Nikhil Shetty	Nikhil
73.	1SG18IS070	Nikitha B K	Nikitha
74.	1SG18IS071	Nilesh K H	Nilesh
75.	1SG18IS072	Niranjan J Wadekar	Niranjan
76.	1SG18IS073	Nithin Kumar M	Nithin
77.	1SG18IS074	Paul S A	Paul
78.	1SG18IS075	Pavithra M B	Pavithra M.B
79.	1SG18IS076	Poornima J	Poornima J
80.	1SG18IS077	Prajwal C Patil	Prajwal C Patil
81.	1SG18IS078	Prajwal N	Prajwal N
82.	1SG18IS079	PrakharSrivastava	Prakhar
83.	1SG18IS080	Prateek Kumar Singh	Prateek
84.	1SG18IS081	Prem Kumar R	Prem Kumar
85.	1SG18IS082	Priyank Singh	Priyank
86.	1SG18IS083	Priyanka O	Priyanka
87.	1SG18IS084	Rahul M	Rahul

  
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88.	1SG18IS085	RamyashreeJogi	<i>Ramy</i>
89.	1SG18IS086	RoshanAnegundi	<i>Roshan</i>
90.	1SG18IS087	S KalifullahDhameem Ansari	<i>S. Kalifullah</i>
91.	1SG18IS088	Sadvi H D	<i>Sadvi H.D</i>
92.	1SG18IS089	Sahana A	<i>Sahana A</i>
93.	1SG18IS090	Sameer Sharma	<i>Sameer</i>
94.	1SG18IS091	Sanjana M	<i>Sanjana</i>
95.	1SG18IS092	Satyam Patidar	<i>Satyam patidar</i>
96.	1SG18IS094	SharanyaMadhusudhan	<i>Sharanya M</i>
97.	1SG18IS095	Sharath K R	<i>Sharath</i>
98.	1SG18IS096	Sharma Mayank	<i>Mayank</i>
99.	1SG18IS097	Shashwat Seth	<i>Shashwat</i>
100.	1SG18IS098	ShettyDikshaDevdas	<i>Diksha</i>
101.	1SG18IS099	Shivam Kumar	<i>Shivam</i>
102.	1SG18IS100	Shreya	<i>Shreya</i>
103.	1SG18IS101	Shreyas M Kaushik	<i>Shreyas</i>
104.	1SG18IS102	ShridharYaligar	<i>Shridhar</i>
105.	1SG18IS103	Sneha M	<i>Sneha M</i>
106.	1SG18IS104	Sowmya C	<i>Sowmya C</i>
107.	1SG18IS105	Sparsha M N	<i>Sparsha M.N</i>
108.	1SG18IS106	Spurthi V	<i>Spurthi</i>
109.	1SG18IS107	Sri Varshni K S	<i>Sri Varshni</i>
110.	1SG18IS108	Srusti R	<i>Srusti</i>
111.	1SG18IS109	Suhana S	<i>Suhana</i>
112.	1SG18IS110	SujanRavindra	<i>Sujan R</i>
113.	1SG18IS111	Sushmitha C	<i>Sushmitha</i>
114.	1SG18IS112	Sushmitha U	<i>Sushmitha</i>
115.	1SG18IS113	Swetha S	<i>Swetha S</i>
116.	1SG18IS114	TanuRaghav	<i>Tanu</i>
117.	1SG18IS115	Tejakumar G	<i>Tejakumar</i>

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118.	ISG18IS116	Tejaswini T	Tejaswini.T
119.	ISG18IS117	Tejesh B S	Tejesh B S
120.	ISG18IS118	UdayPratap	Uday
121.	ISG18IS119	Ummai Hani	Ummai Hani
122.	ISG18IS120	Utkarsh Singh	Utkarsh Singh
123.	ISG18IS121	Vanshika Singh	Vanshika Singh
124.	ISG18IS122	Vasudha S N	Vasudha S N
125.	ISG18IS123	VatsalAnand	Vatsal Anand
126.	ISG18IS124	Vivek Singh Kushwaha	Vivek Singh Kushwaha
127.	ISG18IS125	Yashas S B	Yashas S B
128.	ISG18IS126	Yashaswini P	Yashaswini P
129.	ISG19IS400	Dinesh Reddy P N	Dinesh Reddy P N
130.	ISG19IS401	ShreyaSrivastava	Shreya S
131.	ISG17IS058	Nithin K	Nithin K
132.	ISG17IS070	Puneeth S	Puneeth S.
133.	ISG17IS074	RakshithaShastry M	Rakshitha M
134.	ISG17IS103	Tejaswini G L	Tejaswini -GL

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Principal

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**6 days Certification Program on "Mobile Application Development using Android Studio" Attendance**

Sl No.	USN	Student Name	20/1/20		21/1/20		22/1/20		23/1/20		24/1/20		25/1/20	
			M S	A S	M S	A S	M S	A S	M S	A S	M S	A S	M S	AS
1.	1SG17IS023	Chandrakala Chamaraj Yalival	0	1	2	3	4	5	6	7	8	9	10	11
2.	1SG17IS044	Kishore Kumar A	1	2	3	4	5	6	7	8	9	10	11	12
3.	1SG18IS001	Aakash G Prasad	1	2	3	4	5	6	7	8	9	10	11	12
4.	1SG18IS002	Aanchal P Jain	1	2	3	4	5	6	7	8	9	10	11	12
5.	1SG18IS003	Abhigna A Bharadwaj	1	2	3	4	5	6	7	8	9	10	11	12
6.	1SG18IS004	Abhishek Raj	1	2	3	4	5	6	7	8	9	10	11	12
7.	1SG18IS005	Akshaya R	1	2	3	4	5	6	7	8	9	10	11	12
8.	1SG18IS006	Amale Vedika Ravindra	1	2	3	3	4	5	6	7	8	9	10	11
9.	1SG18IS008	Ananya A	1	2	3	4	5	6	7	8	9	10	11	12
10.	1SG18IS009	Anjan Gowda C	1	2	3	4	5	6	7	8	9	10	11	12
11.	1SG18IS010	Anjana G Nadig	1	2	3	4	5	6	7	8	9	10	11	12
12.	1SG18IS011	Ankith P Chikkur	1	2	3	4	5	6	7	8	9	9	10	11
13.	1SG18IS012	Ankush L	1	2	3	4	5	6	7	8	9	10	11	12
14.	1SG18IS013	Anmol Singh	1	2	3	4	5	6	7	8	9	10	11	12
15.	1SG18IS014	Anshul Kumar	1	2	3	4	5	6	7	8	9	10	11	12
16.	1SG18IS015	Anurag Mozumdar	1	2	3	4	5	6	7	8	9	10	11	12
17.	1SG18IS016	Arjun B R	1	2	3	4	5	5	6	7	8	9	10	11
18.	1SG18IS017	Arnav Raj	1	2	2	3	4	5	6	7	8	9	10	11
19.	1SG18IS018	Ashmita S R	1	2	3	4	5	6	7	8	9	10	11	12
20.	1SG18IS019	Ashray B G	1	2	3	4	5	6	7	8	9	10	11	12
21.	1SG18IS020	Ayush Srivastav	1	2	3	4	5	6	7	8	9	10	11	12



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22.	1SG18IS021	Ayushman Srivastava	1	2	3	4	5	6	7	8	9	10	11	12
23.	1SG18IS022	Bharath B	1	2	3	3	4	5	6	7	8	9	10	11
24.	1SG18IS023	Bharath Gowda R	1	2	3	4	5	6	7	8	9	10	11	12
25.	1SG18IS024	Bharath R	1	2	3	4	5	6	7	8	9	10	11	12
26.	1SG18IS025	Bhaskar Anand	1	2	3	4	5	6	7	8	9	10	11	12
27.	1SG18IS026	Bhavana B	1	2	3	4	5	6	7	8	9	10	11	12
28.	1SG18IS027	Bhupendra Chaturvedi	1	2	3	3	4	5	6	7	8	9	10	11
29.	1SG18IS028	Bishak Dey	1	2	3	4	5	6	7	8	9	10	11	12
30.	1SG18IS030	Chandana H C	1	2	3	4	5	6	7	8	9	10	11	12
31.	1SG18IS031	Darshini A	1	2	3	4	4	5	6	7	8	9	10	11
32.	1SG18IS032	Deepika S	1	2	3	4	5	6	7	8	9	10	11	12
33.	1SG18IS033	Deva R	1	2	3	4	5	6	7	8	9	10	11	12
34.	1SG18IS034	Divya S Madival	1	2	3	4	5	6	7	8	9	10	11	12
35.	1SG18IS037	Girish L	1	2	3	4	5	6	7	8	9	10	11	12
36.	1SG18IS038	Gouthami V Kulkarni	1	2	3	4	5	6	7	8	9	10	11	12
37.	1SG18IS039	Harshitha P V	1	2	3	4	5	6	7	8	9	10	11	12
38.	1SG18IS040	Harshitha R	1	2	3	4	5	6	7	8	9	10	11	12
39.	1SG18IS041	Hemanth Kumar K	1	2	3	4	4	5	6	7	8	9	10	11
40.	1SG18IS042	Hemanth P T	1	2	3	4	5	6	7	8	9	10	11	12
41.	1SG18IS043	Hemanth V Mane	1	2	3	4	5	6	7	8	9	9	10	11
42.	1SG18IS044	Hrithik R	1	2	3	4	5	6	7	8	9	10	11	12
43.	1SG18IS046	K B Geeta	1	2	3	4	5	6	7	8	9	10	11	12
44.	1SG18IS047	K P Chandan	1	2	3	4	5	6	7	8	9	10	11	12
45.	1SG18IS048	Kavya Bhat	1	2	3	4	5	6	7	8	9	10	11	12
46.	1SG18IS049	Kousalya B T	1	2	3	4	5	6	7	8	9	10	11	
47.	1SG18IS050	Kumar Priyanshu	1	2	3	4	5	6	7	8	9	10	11	12
48.	1SG18IS051	L Sandeep Reddy	1	2	3	4	5	6	7	8	9	10	11	12
49.	1SG18IS052	Likhith N	1	2	3	4	5	6	7	8	9	10	11	12



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50.	ISG18IS053	Likhith R	1	2	3	4	5	6	7	8	9	10	11	12
51.	ISG18IS054	Likhitha D J	1	2	3	4	5	6	7	8	8	10	11	12
52.	ISG18IS055	Mahadevi N C	1	2	3	4	5	6	7	8	9	10	11	12
53.	ISG18IS056	Mansi Singh	1	2	3	4	5	6	7	8	9	10	11	12
54.	ISG18IS057	Meghana N	1	2	3	4	5	6	7	8	9	10	11	12
55.	ISG18IS058	Meghashree D P	1	2	3	4	5	6	7	8	9	10	11	12
56.	ISG18IS059	Minju A J	1	2	3	3	4	5	6	7	8	9	10	11
57.	ISG18IS060	Mithunkumar H R	1	2	3	4	5	6	7	8	9	10	11	12
58.	ISG18IS061	Monika P	1	2	3	4	5	6	7	8	9	10	11	12
59.	ISG18IS062	Nagashree V S M	1	2	3	4	5	6	7	8	9	10	11	12
60.	ISG18IS063	Nandana S Hegde	1	2	3	4	5	6	7	8	9	10	11	12
61.	ISG16IS030	Jeevanand	1	2	3	4	5	6	7	8	9	10	11	12
62.	ISG17IS005	Akash	1	2	3	4	5	6	7	8	9	10	11	12
63.	ISG17IS019	Bhoomika S	1	2	3	3	4	5	6	7	8	9	10	11
64.	ISG17IS047	Madhu M	1	2	3	4	5	6	7	8	9	10	11	12
65.	ISG17IS063	Prajwal S	1	2	3	4	5	6	7	8	9	10	11	12
66.	ISG17IS076	Rashmi K P	1	2	3	4	5	6	7	8	9	10	11	12
67.	ISG18IS064	Nandini N K	1	2	2	3	4	5	6	7	8	9	10	11
68.	ISG18IS065	Nandini R	1	2	3	4	5	6	7	8	9	10	11	12
69.	ISG18IS066	Navya Shree K S	1	2	3	4	5	6	7	8	9	10	11	12
70.	ISG18IS067	Neeraj S	1	2	3	4	5	6	7	8	9	10	11	12
71.	ISG18IS068	Neha M P	1	2	3	4	5	6	7	8	9	10	11	12
72.	ISG18IS069	Nikhil Shetty	1	2	3	4	5	6	7	8	9	10	11	12
73.	ISG18IS070	Nikitha B K	1	2	3	4	4	5	6	7	8	9	10	11
74.	ISG18IS071	Nilesh K H	1	2	3	4	5	6	7	8	9	10	11	12
75.	ISG18IS072	Niranjan J Wadekar	1	2	3	4	5	6	7	8	9	10	11	12
76.	ISG18IS073	Nithin Kumar M	1	2	3	4	5	6	7	8	9	10	11	12
77.	ISG18IS074	Paul S A	1	2	3	4	5	6	7	8	9	10	11	12
78.	ISG18IS075	Pavithra M B	1	2	3	4	5	6	7	8	9	10	11	12
79.	ISG18IS076	Poornima J	1	2	3	4	5	6	7	8	9	10	11	12



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80.	ISG18IS077	Prajwal C Patil	1	2	3	4	5	6	7	8	9	10	11	12
81.	ISG18IS078	Prajwal N	1	2	2	3	4	5	6	7	8	9	10	11
82.	ISG18IS079	Prakhar Srivastava	1	2	3	4	5	6	7	8	9	10	11	12
83.	ISG18IS080	Prateek Kumar Singh	1	2	3	4	5	6	7	8	9	10	11	12
84.	ISG18IS081	Prem Kumar R	1	2	3	4	5	6	7	8	9	10	11	12
85.	ISG18IS082	Priyank Singh	1	2	3	4	5	6	7	8	9	10	11	12
86.	ISG18IS083	Priyanka O	1	2	3	3	4	5	6	7	8	9	10	11
87.	ISG18IS084	Rahul M	1	2	3	4	5	6	7	8	9	10	11	12
88.	ISG18IS085	Ramyashree Jogi	1	2	3	4	5	6	7	8	9	10	11	12
89.	ISG18IS086	Roshan Anegundi	1	2	3	4	5	6	7	8	9	10	11	12
90.	ISG18IS087	S Kalifullah	1	2	3	4	5	6	7	8	9	10	11	12
		Dhameem Ansari	1	2	3	4	5	6	7	8	9	10	11	12
91.	ISG18IS088	Sadvi H D	1	2	3	4	5	6	7	8	9	10	11	12
92.	ISG18IS089	Sahana A	1	2	3	4	5	6	7	8	9	10	11	12
93.	ISG18IS090	Sameer Sharma	1	2	3	4	5	6	7	8	9	10	11	12
94.	ISG18IS091	Sanjana M	1	2	3	4	5	6	7	8	9	10	11	12
95.	ISG18IS092	Satyam Patidar	1	2	3	4	5	6	7	8	9	10	11	12
96.	ISG18IS094	Sharanya Madhusudan	1	2	3	4	5	6	7	8	9	10	11	12
97.	ISG18IS095	Sharath K R	1	2	3	4	5	6	7	8	9	10	11	12
98.	ISG18IS096	Sharma Mayank	1	2	3	4	5	6	7	8	9	10	11	12
99.	ISG18IS097	Shashwat Seth	1	2	3	4	5	6	7	8	9	10	11	12
100.	ISG18IS098	Shetty Diksha Devdas	1	2	3	4	5	6	7	8	9	10	11	12
101.	ISG18IS099	Shivam Kumar	1	2	3	4	5	6	7	8	9	10	11	12
102.	ISG18IS100	Shreya	1	2	3	4	5	6	7	8	9	10	11	12
103.	ISG18IS101	Shreyas M Kaushik	1	2	3	4	5	6	7	8	9	10	11	12
104.	ISG18IS102	Shridhar Yaligar	1	2	3	4	5	6	7	8	9	10	11	12
105.	ISG18IS103	Sneha M	1	2	3	4	5	6	7	8	9	10	11	12
106.	ISG18IS104	Sowmya C	1	2	3	4	5	6	7	8	9	10	11	12



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










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107.	ISG18IS105	Sparsha M N	1	2	3	4	5	6	7	8	9	10	11	12
108.	ISG18IS106	Spurthi V	1	2	3	4	5	6	7	8	9	10	11	12
109.	ISG18IS107	Sri Varshni K S	1	2	3	4	4	5	6	7	8	9	10	11
110.	ISG18IS108	Srusti R	1	2	3	4	5	6	7	8	9	10	11	12
111.	ISG18IS109	Suhana S	1	2	3	4	5	6	7	8	9	10	11	12
112.	ISG18IS110	Sujan Ravindra	1	2	3	4	5	6	7	8	9	10	11	12
113.	ISG18IS111	Sushmitha C	1	2	3	4	5	6	7	8	9	10	11	12
114.	ISG18IS112	Sushmitha U	1	2	3	4	5	6	7	8	9	10	11	12
115.	ISG18IS113	Swetha S	1	2	3	4	5	6	7	8	9	10	11	12
116.	ISG18IS114	Tanu Raghav	1	2	3	4	4	5	6	7	8	9	10	11
117.	ISG18IS115	Tejakumar G	1	2	3	4	5	6	7	8	9	10	11	12
118.	ISG18IS116	Tejaswini T	1	2	3	4	5	6	7	8	9	10	11	12
119.	ISG18IS117	Tejesh B S	1	2	3	4	5	6	7	8	9	10	11	12
120.	ISG18IS118	Uday Pratap	1	2	3	4	5	6	7	8	9	10	11	12
121.	ISG18IS119	Ummi Hani	1	2	3	4	4	5	6	7	8	9	10	11
122.	ISG18IS120	Utkarsh Singh	1	2	3	4	5	6	7	8	9	10	11	12
123.	ISG18IS121	Vanshika Singh	1	2	3	4	5	6	7	8	8	9	10	11
124.	ISG18IS122	Vasudha S N	1	2	3	4	5	6	7	8	9	10	11	12
125.	ISG18IS123	Vatsal Anand	1	2	3	4	5	6	7	8	9	10	11	12
126.	ISG18IS124	Vivek Singh Kushwaha	1	2	3	4	5	6	7	8	9	10	11	12
127.	ISG18IS125	Yashas S B	1	2	3	4	5	6	7	8	9	10	11	12
128.	ISG18IS126	Yashaswini P	1	2	3	4	5	6	7	8	9	10	11	12
129.	ISG19IS400	Dinesh Reddy P N	1	2	3	4	4	5	6	7	8	9	10	11
130.	ISG19IS401	Shreya Srivastava	1	2	3	4	5	6	7	8	9	10	11	12
131.	ISG17IS058	Nithin K	1	2	3	4	5	6	7	8	8	9	10	11
132.	ISG17IS070	Puneeth S	1	2	3	4	5	6	7	8	8	9	10	11
133.	ISG17IS074	Rakshitha Shastry	1	2	3	4	5	6	7	8	9	10	11	12
134.	ISG17IS103	Tejaswini G L	1	2	3	4	5	6	7	8	9	10	11	12
Signature of the incharge														

Dr. H.R. Ranganatha

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### 6 days Certification Program on “Mobile Application Development using Android Studio” Test Time Table

Sl. No.	DATE	DAY	TIMINGS
1	25-01-2021	Saturday	4.00PM-5.00PM

*H.R.*

**HOD**

Dr. H.R. Ranganatha  
Prof. & H.O.D

Dept. of Information Science & Engg  
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## 6 days Certification Program on “Mobile Application Development using Android Studio” Question Paper

Answer all the Questions: (1 M each)

**1. What is an android?**

- A. Android is a stack of software applications for mobile devices
- B. Android is Virtual machine
- C. Android is Google mobile device name
- D. All of the above

**2. What part of the Android platform is open source?**

- A. Application Frame Work
- B. Native Libraries
- C. Low-level Linux modules
- D. All of these answers #The entire stack is an open source platform

**3. .Apk extension stands for?**

- A. Application Package
- B. Application Program Kit
- C. Android Proprietary Kit
- D. Android Package

**4. Which programming language is used for Android app development?**

- A. Java
- B. JSX
- C. PHP
- D. NodeJs

**5. In which directory XML layout files are stored?**

- A. /assets
  - B. /res/layout
  - C. /res/values
  - D. /src
- Ans: B. /res/layout

**6. What is the JSON exception in android?**

- A. Input not found exception
- B. Json Exception
- C. Json Not found exception
- D. All of the above

**7. Which of the following is Layouts in android?**

- A. Frame Layout
- B. Linear Layout
- C. Relative Layout
- D. All of the above



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8. What is/are the JSON elements in android?  
A integer, boolean  
B Boolean  
C null  
D Number, string, boolean, null, array and object
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**15. Creating a UI in Android requires careful use of.....**

- A. CJava and SQL
- B. XML and Java
- C. XML and C++
- D. Dreamweaver

**16. You can create a custom view by extending class activity?**

- A. android.widget.View
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**21. From a phone manufacturers point of view, what makes Android so great?**

- A. Aside from some specific drivers, it provides everything to make a phone work
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(IAO9001-2015 and ISO14001-2015 certified Institute)

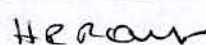
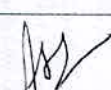
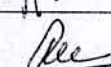
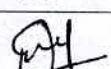


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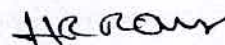
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www.sapthagiri.edu.in

Fax: 080-28372797

## Approved by Academic Committee Members & Resource Person

Sl. No.	Faculty Name	Designation	Signature
1	Dr. H. R Ranganatha	HOD	
2	Dr. Asha P N	Associate Professor	
3	Prof. Prerana Chaithra	Associate Professor	
4	Prof. Sudarsanan D	Assistant Professor	
5	Prof. Gayathri R.	Assistant Professor	
6	Prof. Apoorva S	Resource Person	



HOD

Dr H.R Ranganatha

Prof. & H.O.D

Dept. of Information Science & Engg

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## **6 days Certification Program on “Mobile Application Development using Android Studio” Solutions for the Questions**

**Duration : 1hr**

**Maximum marks : 25**

**Answer all the Questions: (1M each)**

### **2. What is an android?**

- A. Android is a stack of software applications for mobile devices
- B. Android is Virtual machine
- C. Android is Google mobile device name
- D. All of the above

**Ans: A** Android is a stack of software applications for mobile devices

### **2. What part of the Android platform is open source?**

- A. Application Frame Work
- B. Native Libraries
- C. Low-level Linux modules
- D. All of these answers #The entire stack is an open source platform

**Ans: D** All of these answers #The entire stack is an open source platform

### **3. .Apk extension stands for?**

- A. Application Package
- B. Application Program Kit
- C. Android Proprietary Kit
- D. Android Package

**Ans: A.** Application Package

### **4. Which programming language Is used For Android app Development?**

- A. Java
- B. JSX
- C. PHP
- D. NodeJs

**Ans: A.** Java

### **5. In which directory XML layout files are stored?**

- A. /assets
- B. /res/layout
- C. /res/values
- D. /src

**Ans: B.** /res/layout

### **6. What is the JSON exception in android?**

- A. Input not found exception
- B. JSon Exception
- C. Json Not found exception
- D. All of the above

**Ans: B.** JSon Exception



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**7. Which of the following is Layouts in android?**

- A Frame Layout
- B Linear Layout
- C Relative Layout
- D All of the above

**Ans: D** All of the above

**8. What is/are the JSON elements in android?**

- A integer, boolean
- B Boolean
- C null
- D Number, string, boolean, null, array and object

**Ans: D** Number, string, boolean, null, array and object

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## 14. Intents

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**Ans: B** Interface acts as a bridge between class and the outside world.



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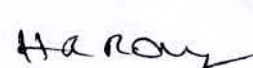

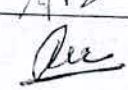
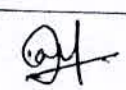


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## **6 days Certification Program on “Mobile Application Development using Android**

### **Studio” Participant Feedback**

1. How was the overall organization of the Certification Program ?  
a) Excellent   b) Very Good   c) Good   d) Fair
2. How appropriate were the facilities provided ?  
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7. Generally how was your overall experience during the Certification Program  
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8. Any Suggestions:

---

---

**Student Name:**

**Student Signature:**

Principal

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It was very good and helpful.

Sadvi.H.D

Student Name:

Sadvi.H.D

Student Signature:

Principal

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8. Any Suggestions:

We need more such certification courses.

Student Name: Ashray B.G

Student Signature: [Signature]

[Signature]  
Principal  
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Bengaluru - 560 057

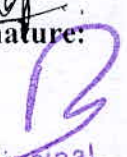
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8. Any Suggestions:

It gave a very good insight to android studio  
and java programming.

SAHANA.A  
Student Name:

  
Student Signature:

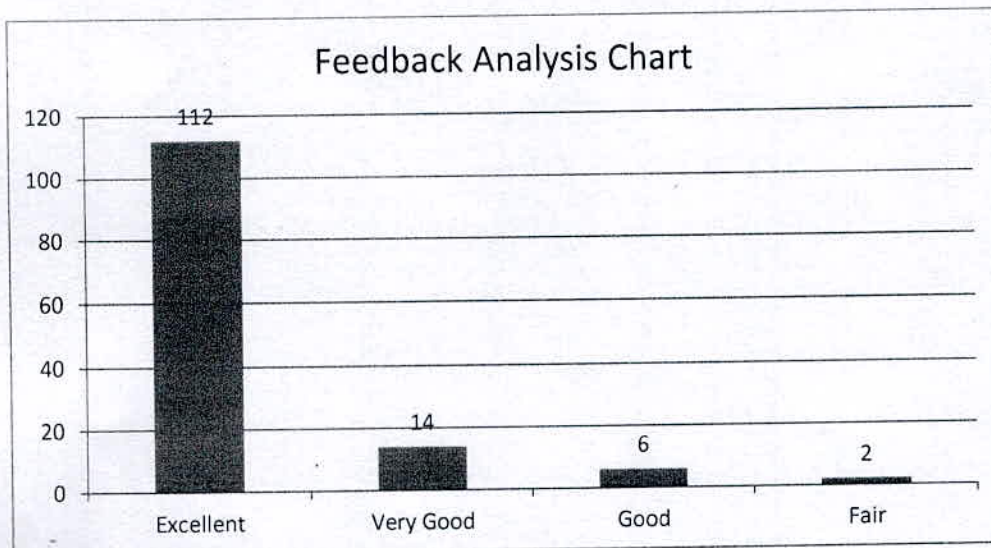
  
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## FEEDBACK ANALYSIS

Certification Program : "Mobile Application Development using Android Studio"

No. of students participated	Student Feedback			
	Excellent	Very Good	Good	Fair
134	112	14	6	2



### Action Report:

94 % of students were completely happy with the Certification Program and 5 % of students felt it was a good program and remaining 1 % students were satisfied with the program.

### Action Taken:

The Feedback report which was collected from the students were sent to the principal and he would take necessary actions based on the comments and conduct more programs for the benefit of students.

*H.R.*  
HOD

Dr H.R Ranganatha  
Prof. & H.O.D

Dept. of Information Science & Engg.  
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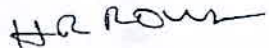
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of Information Science & Engineering has participated and successfully  
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This is to Certify that Mr./Ms. Kishore Kumar A.

of Information Science & Engineering has participated and successfully completed Six days Certification Program on "*Mobile Application Development using Android Studio*" from 20 January, 2021 to 25 January, 2021 organized by the Department of Information Science & Engineering, Sapthagiri College of Engineering.

  
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This is to Certify that Mr./Ms. Aakash A. Parad

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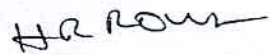
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## Certificate

This is to Certify that Mr./Ms. Amale Vedika Ravindra

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HOD, Dept of ISE

  
Principal

  
Principal  
Sapthagiri College of Engineering  
Chikkasandra Mesaraghatta Road,  
Bengaluru-560057






# Sapthagiri College of Engineering

Bengaluru-560057

## Certificate

This is to Certify that Mr./Ms. Anjan Gowda C  
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## Certification Program Report

Department of ISE conducted Certification Program on **“Mobile Application Development using Android Studio”**

**Resource Person:** Prof. Apoorva S., Assistant Professor, Department of CSE, S.J.C. Institute of Technology, Chikballapur.

**Duration of the course:** Six days from 20-Jan-2021 to 25-Jan-2021

### Objective of the Course:

The six days course made the students to be familiar with the major concepts in mobile application development using android studio which is a main platform for their career. Certification Program became the vital step to improve the knowledge of students.

Certification Program made them comfortable with the mobile application concepts. Learning style adopted by students, which eventually is developed into a skill of their forte. Through this course, an ecstatic learning background paved way to a positive learning environment in the class where active participation was seen from every end. Speaker took the onus of interacting with the students personally to navigate them for the academic transition by becoming the guides by their side.

### Schedule of Certification Program

Dates	SESSION 1 (9.00am-10.40am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-5.00pm)
20-01-2021 Monday	Introduction to Android Studio	Introduction to Android Studio (Continued)	Hands on Session
21-01-2021 Tuesday	Basics of Java for coding in android studio	Basics of XML for design in android studio	Hands on Session
22-01-2021 Wednesday	Designing and coding of sample programs in java programming using android studio concepts	Case studies on Visiting card creation and Conversion of text to speech.	Hands on Session



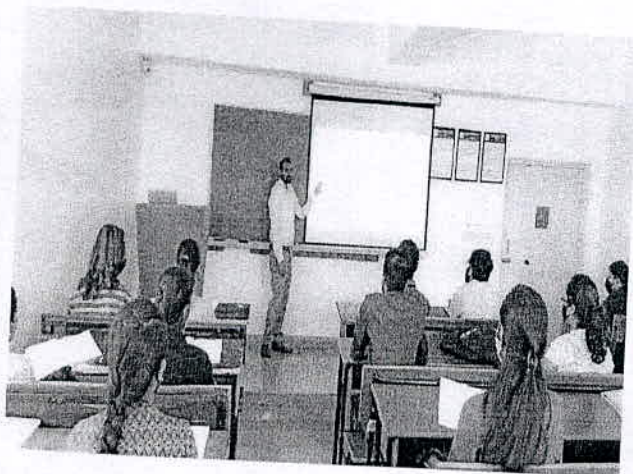
# Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)  
(IAO9001-2015 and ISO14001-2015 certified Institute)  
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057  
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23-01-2021 Thursday	Parsing of JSON and XML files	Case studies on phone dialer and changing wall paper	Hands on Session
24-01-2021 Friday	Introduction for the development of mini projects using android studio	Case Study on counter application	Hands on Session
25-01-2021 Saturday	Innovative ideas for the development of real time projects using android studio	Future scope of android studio	Hands on Session Test Conduction

## Conclusion:

The optimistic learning environment prompted motivation in the learning of the students. They felt bonhomie after the course they took. A sense of satisfaction was also seen. Faculty members were also equally benefited with the course. A structured environment was created. This helped in the smooth flow of academic lesson plan by adhering to the timelines. This Course helped the student to improve their knowledge in mobile application development.



6 days Certification Program on "Mobile Application Development using Android Studio" by  
Prof. Apoorva S., Assistant Professor, Department of CSE, S.J.C. Institute of Technology,  
Chikballapur from 20-Jan-2021 to 25-Jan-2021.

*(Signature)*  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

*(Signature)*  
Dr H.R. Raghodnath  
Prof. & H.O.D  
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