



## **Sub Committee for Curriculum Development**

**Course Name: Introduction to Android Programming**

**(UG/PG):** UG

**Number of Credits:** 02

**Level:** 03

### **Learning Objective(s):**

1. To impart the fundamentals concepts of mobile technologies
2. To understand Android Framework

### **Pre-requisites:**

1. Java SE

### **Pedagogy:**

- Lab Sessions,
- Lectures,
- Discussions,

### **Course Outline:**

<b>Sr. No.</b>	<b>Topics</b>	<b>Hours</b>
1.	Introduction - Mobile Application Development and various application development frameworks	06
2.	Introduction to Android, Architecture, Android SDK, Advantages, IDE and build process	06
3.	Building blocks of Android, Activity life-cycle, LogCat	04
4.	Creating UI with activity , Views – TextView, EditText, Button, RadioButon, CheckBox, RatingBar, SeekBar	10
5.	Layouts – Linear, Relative, Frame, Grid and ScrollView	04
<b>Total</b>		<b>30</b>

**Book Recommended:**

1. Hello, Android by Ed Burnette
2. Head First Android Development by Jonathan Simon
3. Beginning Android 4 Application Development by Wei-Meng Lee

**Research Papers/Articles recommended for reading:****Suggested Evaluation Methods:**

- Quiz,
- Assignments,
- Written exam,
- Practical exam

**Parallel/Similar courses the existing curriculum:**

S.No.	Name of the course	Institute where it was offered

Name of Member	Shrikant Mapari	Harsad Gune	Vidya Patkar	
Designation	Assistant Professor	Associate Professor	Assistant Professor	
Org. / Inst.	SICSR	SICSR	SICSR	
Signature				

Name of the Expert:

Signature:

Date: