

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Faculty of Information Technology

Structured Work Plan for Teaching

Academic Year (2020 - 2021)

(29-Jun-2020 TO 31-Dec-2020)

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code	Practical Paper Code	Total Teaching Hours
1	BCA S.Y. III Sem	Prof. Manoj P. Birajdar	Android O.S.	U-ADC-334-A Total Credit: 02	--	TH: 90
2	B.Sc.(C.S.) S.Y. III Sem		Android O.S.	U-ADC-334-A Total Credit: 02	--	TH: 90

2. Summary of Lesson Plan

Name of Teacher: Manoj P. Birajdar

Class : BCA S.Y. III Sem

Teaching Hours: 90

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
			FROM	TO			
1	Android O.S. U-ADC-334-A	UNIT-I Chp 1. Introduction to Android 1.1 Need of Mobile Application	06-07-2020	08-08-2020	20	Class Seminars	Assignment on

		1.2 Introduction to Android 1.3 Types of Mobile Applications 1.4 Android Versions					IOS
2	Android O.S. U-ADC-334-A	UNIT-I Chp 2. Android Architecture 2.1 Android Architecture 2.2 Linux Kernal 2.3 Dalvik Virtual Machine	10-08- 2020	25-08- 2020	12	Revision on Chp1	Oral Exam
3		UNIT-II Chp 3. Android IDE's & Components 3.1 Various IDE For Android 3.2 Installtion of Android 3.3 Android Virtual Device 3.4 Android Components	26-08- 2020	14-09- 2020	13	Class Seminar	Installation Task on Android Studio
4		UNIT-II Chp 4. Introduction To Java 4.1 Introduction & History of Java 4.2 Java Applications 4.3 Java Architecture	15-09- 2020	30-09- 2020	13	Problem Solving on Basic Android	Assignment on Android O.S.
5		UNIT-III Chp 5. Programming Basics 5.1 Variable, Constants 5.2 Hello World Program 5.3	01-10- 2020	17-10- 2020	14	Path Setting of Java	Program Assignment on

		Classes&Inheritance 5.4 Interface					class and object
6	Android O.S. U-ADC-334-A	UNIT-IV Chp 6. Java Packages & Threads 6.1 Packages 6.2 Thread 6.3 Exception Handling 6.4 Method Overloading	19-10- 2020	31-10- 2020	10	Demo of Real Time Project	Program Assignment on Packages
7		UNIT-IV Chp 7. XML &Json 7.1 Tag ,Attribute 7.2 XML 7.3 Json	02-11- 2020	12-11- 2020	08	Demo for designing of Android App	XML Assignment on View Design

Name of Teacher: Manoj P. Birajdar

Class : B.Sc.(C.S.) S.Y. III Sem

Teaching Hours: 90

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
			FROM	TO			
1	Android O.S. U-ADC-334-A	UNIT-I Chp 1. Introduction to Android 1.1 Need of Mobile Application 1.2 Introduction to Android 1.3 Types of Mobile Applications 1.4 Android Versions	06-07-2020	08-08-2020	20	Class Seminars	Assignment on IOS
2		UNIT-I Chp 2. Android Architecture 2.1 Android Architecture 2.2 Linux 2.3 Dalvik Virtual Machine	10-08-2020	25-08-2020	12	Revision on Chp1	Oral Exam
3		UNIT-II Chp 3. Android IDE's & Components 3.1 Various IDE For Android 3.2 Installtion of Android 3.3 Android Virtual Device 3.4 Android Components	26-08-2020	14-09-2020	13	Class Seminar	Installation Task on Android Studio

4	Android O.S. U-ADC-334-A	UNIT-II Chp 4. Introduction To Java 4.1 Introduction & History of Java 4.2 Java Applications 4.3 Java Architecture	15-09- 2020	30-09- 2020	13	Problem Solving on Basic Android	Assignment on Android O.S.
5		UNIT-III Chp 5. Programming Basics 5.1 Variable, Constants 5.2 Hello World Program 5.3 Classes&Inheritance 5.4 Interface	01-10- 2020	17-10- 2020	14	Path Setting of Java	Program Assignment on class and object
6		UNIT-IV Chp 6. Java Packages & Threads 6.1 Packages 6.2 Thread 6.3 Exception Handling 6.4 Method Overloading	19-10- 2020	31-10- 2020	10	Demo of Real Time Project	Program Assignment on Packages
7		UNIT-IV Chp 7. XML &Json 7.1 Tag ,Attribute 7.2 XML 7.3 Json	02-11- 2020	12-11- 2020	08	Demo for designing of Android App	XML Assignment on View Design

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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Faculty of Information Technology

Structured Work Plan for Teaching

Academic Year (2020 - 2021)

(01-Jan-2021 TO 10-Jul-2021)

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code	Practical Paper Code	Total Teaching Hours
1	BCA S.Y. IV Sem	Prof. Manoj P. Birajdar	Mobile App Development	U-ADC-434-M Total Credit :02	--	TH: 68
2	B.Sc.(C.S.) S.Y. IV Sem		Mobile App Development	U-ADC-434-M Total Credit :02	--	TH: 68

2. Summary of Lesson Plan

Name of Teacher: Manoj P. Birajdar

Class : BCA S.Y. IV Sem

Teaching Hours: 68

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
			FROM	TO			
1		UNIT-I					

	Mobile App Development U-ADC-434-M	Chp1. Android Basic 1.1 What is Android? 1.2 Activity Life Cycle 1.3 Call Back Methods 1.4 Logcat usage	24-02-2021	05-03-2021	09	Revision on Android OS	Task on Android Studio 4.2 Installtion
2		UNIT-I Chp2. Android Application Structure 2.1 Android Application Structure 2.2 AndroidManifest.xml, <Uses-permission>, < uses-sdk> 2.3 First Sample Android Application 2.4 Activity Registration 2.5 Activity & Intent	06-03-2021	16-03-2021	07	Seminar on Android Studio Handling	Task to install app on Real Mobile Device
3	Mobile App Development U-ADC-434-M	UNIT-II Chp3.UI Widget – I 3.1 LinearLayout, RelativeLayout 3.2 Button, EditText,TextView 3.3 Event Handling 3.4 RadioButton , CheckBox 3.5 ImageView	17-03-2021	29-03-2021	11	Designing of Real Apps	Assignment to design Login Page
4		UNIT-II Chp 4.UI Widget – II 4.1 SeekBar, ProgressBar 4.2 Switch 4.3 Analog Clock , Digital Clock 4.4 ListView	30-03-2021	09-04-2021	10	Problem solving of Java and XML	Assignment to design Web

		4.5 WebView					App
5	Mobile App Development U-ADC-434-M	UNIT-III Chp 5. Menus & Notifications 5.1 Alert Dialog 5.2 Prompt Dialog 5.3 Android Menus 5.4 Toast Notification 5.5 Custom Toast	10-04-2021	21-04-2021	10	Class Seminar	Oral Exam upto Chp4
6		UNIT-IV Chp6. Services & SQLite 6.1 Android Services 6.2 SQL Commands 6.3 SQLiteOpenHelper Class 6.4 SQLite Based Application	22-04-2021	29-04-2021	07	Seminar on DDL DML	Assignment to develop database oriented App
7		UNIT-IV Chp7. Telephony & Sensor API 7.1 TelephonyManager 7.2 PhoneCall 7.3 Send SMS 7.4 SensorManager	30-04-2021	08-05-2021	08	Live Demo Lecture on Google Play Store	Assignment to develop Calling App
8		Chp8. Mini Projects 8.1 Torch App 8.2 Media Player 8.3 Voice To Text Conversion	10-05-2021	15-05-2021	06	Live App Development	Assignment to develop Media Player with all controls

Name of Teacher: Manoj P. Birajdar

Class : B.Sc.(C.S.) S.Y. IV Sem

Teaching Hours: 68

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			FROM	TO			
1	Mobile App Development U-ADC-434-M	UNIT-I Chp1. Android Basic 1.1 What is Android? 1.2 Activity Life Cycle 1.3 Call Back Methods 1.4 Logcat usage	24-02-2021	05-03-2021	09	Revision on Android OS	Task on Android Studio 4.2 Installtion
2		UNIT-I Chp2. Android Application Structure 2.1 Android Application Structure 2.2 AndroidManifest.xml, <Uses-permission>, < uses-sdk> 2.3 First Sample Android Application 2.4 Activity Registration 2.5 Activity & Intent	06-03-2021	16-03-2021	07	Seminar on Android Studio Handling	Task to install app on Real Mobile Device
3		UNIT-II Chp3.UI Widget – I 3.1 LinearLayout, RelativeLayout 3.2 Button, EditText,TextView 3.3 Event Handling 3.4 RadioButton , CheckBox	17-03-2021	29-03-2021	11	Designing of Real Apps	Assignment to design Login

		3.5 ImageView					Page
4	Mobile App Development U-ADC-434-M	UNIT-II Chp 4.UI Widget – II 4.1 SeekBar, ProgressBar 4.2 Switch 4.3 Analog Clock , Digital Clock 4.4 ListView 4.5 WebView	30-03-2021	09-04-2021	10	Problem solving of Java and XML	Assignment to design Web App
5		UNIT-III Chp 5.Menus & Notifications 5.1 Alert Dialog 5.2 Prompt Dialog 5.3 Android Menus 5.4 Toast Notification 5.5 Custom Toast	10-04-2021	21-04-2021	10	Class Seminar	Oral Exam upto Chp4
6		UNIT-IV Chp6. Services & SQLite 6.1 Android Services 6.2 SQL Commands 6.3 SQLiteOpenHelper Class 6.4 SQLite Based Application	22-04-2021	29-04-2021	07	Seminar on DDL DML	Assignment to develop database oriented App
7		UNIT-IV Chp7. Telephony & Sensor API 7.1 TelephonyManager 7.2 PhoneCall 7.3 Send SMS 7.4 SensorManager	30-04-2021	08-05-2021	08	Live Demo Lecture on Google Play Store	Assignment to develop Calling App

8	Mobile App Development U-ADC-434-M	Chp8. Mini Projects 8.1 Torch App 8.2 Media Player 8.3 Voice To Text Conversion	10-05-2021	15-05-2021	06	Live App Development	Assignment to develop Media Player with all controls
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