

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

Structured Work Plan for Teaching

Academic Year (2018 - 2019)

(22-Jun-2018 TO 03-Nov-2018)

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: 65 |
| 2 | B.Sc.(C.S.) S.Y. III Sem | | Android O.S. | U-ADC-334-A Total Credit: 02 | -- | TH: 65 |
| 3 | B.C.A- F.Y. I Sem | | Introduction to C | U-INC-180 Total Credit: 03 | U-LAC-184 Total Credit: 02 | TH: 61 PR: 15 |

2. Summary of Lesson Plan

Name of Teacher: Manoj P. Birajdar

Class : BCA S.Y. III Sem

Teaching Hours: 65

| 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 | 09-07-2018 | 25-07-2018 | 16 | Class Seminars | Assignment on IOS |
| 2 | | UNIT-I Chp 2. Android Architecture 2.1 Android Architecture 2.2 Linux Kernal 2.3 Dalvik Virtual Machine | 24-07-2018 | 29-07-2018 | 05 | 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 | 30-07-2018 | 04-08-2018 | 06 | Class Seminar | Installation Task on Android Studio |

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|----------|-----------------------------|---|----------------|----------------|----|--------------------------------------|---|
| | | Device 3.4 Android Components | | | | | |
| 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 | 05-08- 2018 | 07-08- 2018 | 03 | Problem Solving on Basic Android | Assignment on Logical Program |
| 5 | | UNIT-III Chp 5. Programming Basics 5.1 Variable, Constants 5.2 Hello World Program 5.3 Classes&Inheritance 5.4 Interface | 15-08- 2018 | 05-09- 2018 | 13 | Path Setting of Java | Program Assignment on Inheritance |
| 6 | | UNIT-IV Chp 6. Java Packages & Threads 6.1 Packages 6.2 Thread 6.3 Exception Handling 6.4 Method Overloading | 06-09- 2018 | 22-09- 2018 | 13 | 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 | 24-09- 2018 | 02-10- 2018 | 09 | Demo for designing of Android App | XML Assignment on View Design |
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Name of Teacher: Manoj P. Birajdar

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

Teaching Hours: 65

| 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 | 09-07-2018 | 25-07-2018 | 16 | Class Seminars | Assignment on IOS |
| 2 | | UNIT-I Chp 2. Android Architecture 2.1 Android Architecture 2.2 Linux Kernal 2.3 Dalvik Virtual Machine | 24-07-2018 | 29-07-2018 | 05 | 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 | 30-07-2018 | 04-08-2018 | 06 | Class Seminar | Installation Task on Android Studio |

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|---|-----------------------------|---|----------------|----------------|----|--------------------------------------|---|
| 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 | 05-08- 2018 | 07-08- 2018 | 03 | Problem Solving on Basic Android | Assignment on Logical Program |
| 5 | | UNIT-III Chp 5. Programming Basics 5.1 Variable, Constants 5.2 Hello World Program 5.3 Classes&Inheritance 5.4 Interface | 15-08- 2018 | 05-09- 2018 | 13 | Path Setting of Java | Program Assignment on Inheritance |
| 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 | 06-09- 2018 | 22-09- 2018 | 13 | 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 | 24-09- 2018 | 02-10- 2018 | 09 | Demo for designing of Android App | XML Assignment on View Design |
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Name of Teacher: Manoj P. Birajdar

Class : B.C.A. F.Y. I Sem

Teaching Hours: 61

| 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 | Introduction to C U-INC-180 | UNIT-I Chp 1. Algorithm, Flowchart Defintion Properties Algorithm Flowchart Flowchart symbols Conversion | 02-07-2018 | 12-07-2018 | 11 | Class Seminars | Assignment on Flowchart, Algorithm |
| 2 | | UNIT-I Chp 2. Overview of C Introduction to C Structure of C Program Token Keyword Variable Operator I/O Statement | 13-07-2018 | 30-07-2018 | 09 | Revision on Chp1 | Oral Exam |

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| 3 | | UNIT-II Chp 3. Decision Making & Branchng Decision Making Statement Switch Statement Looping Array String Function | 30-07-2018 | 05-08-2018 | 07 | Compilation of C program | Program Assignment on Loop |
| 4 | Introduction to C U-INC-180 | UNIT-III Chp 4. Introduction To Function Types of Function Recursion Storage classes | 15-08-2018 | 25-08-2018 | 07 | Problem Solving on Basic Android | Assignment on Function |
| 5 | | UNIT-III Chp 5. Pointer Pointer Accessing Variable through pointer Pointer to pointer | 26-08-2018 | 31-08-2018 | 04 | Group Discussion | Program Assignment on Pointer |

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| 6 | | UNIT-IV Chp 6. Introduction to Structure Structure Union Structure Vs Union | 01-09-2018 | 15-09-2018 | 11 | Demo of Real Time Software | Program Assignment on Structure |
| 7 | | UNIT-IV Chp 7. File Management Opening and closing file File operations File Mode Case Study | 16-09-2018 | 02-10-2018 | 12 | Case Study | Program on File Handling |
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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Faculty of Information Technology

Structured Work Plan for Teaching

Academic Year (2018 - 2019)

(29-Nov-2018 TO 30-Apr-2019)

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: 03 | -- | TH: 75 |
| 2 | B.Sc.(C.S.) S.Y. IV Sem | | Mobile App Development | U-ADC-434-M Total Credit: 03 | -- | TH: 75 |

2. Summary of Lesson Plan

Name of Teacher: Manoj P. Birajdar

Class : BCA S.Y. IV Sem

Teaching Hours: 75

| 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 | Mobile App Development U-ADC-434- | UNIT-I Chp1. Android Basic 1.1 What is Android? 1.2 Activity Life Cycle | 01-12-2018 | 10-12-2018 | 07 | Revision on Android OS | Task on Android |

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|---|--|--|----------------|----------------|----|-----------------------------------|---|
| | M | 1.3 Call Back Methods 1.4 Logcat usage | | | | | Studio Installtion |
| 2 | Mobile App Development U-ADC-434- M | 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 | 11-12- 2018 | 25-12- 2018 | 12 | Class Seminar | 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 3.5 ImageView | 26-12- 2018 | 10-01- 2019 | 12 | 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 4.5 WebView | 11-01- 2019 | 19-01- 2019 | 07 | Group Discussion on Mobile Use | Assignment to design Web App |
| 5 | | UNIT-III | | | | | |
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| | | Chp 5. Menus & Notifications 5.1 Alert Dialog 5.2 Prompt Dialog 5.3 Android Menus 5.4 Toast Notification 5.5 Custom Toast | 29-01-2019 | 12-02-2019 | 12 | Class Seminar | Oral Exam upto Chp4 |
| 6 | Mobile App Development U-ADC-434-M | UNIT-IV Chp6. Services & SQLite 6.1 Android Services 6.2 SQL Commands 6.3 SQLiteOpenHelper Class 6.4 SQLite Based Application | 13-02-2019 | 28-02-2019 | 12 | Seminar on DDL DML | Assignment to develop SQL Database App |
| 7 | | UNIT-IV Chp7. Telephony & Sensor API 7.1 TelephonyManager 7.2 PhoneCall 7.3 Send SMS 7.4 SensorManager | 01-03-2019 | 11-03-2019 | 06 | Live Demo Lecture on Google Play Store | Assignment to develop SMS App |
| 8 | | Chp8. Mini Projects 8.1 Torch App 8.2 Media Player 8.3 Voice To Text Conversion | 12-03-2019 | 20-03-2019 | 07 | Live App Development | Assignment to develop Torch App |

Name of Teacher: Manoj P. Birajdar

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

Teaching Hours: 75

| 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 | 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 | 01-12-2018 | 10-12-2018 | 07 | Revision on Android OS | Task on Android Studio 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 | 11-12-2018 | 25-12-2018 | 12 | Class Seminar | Task to install app on Real Mobile Device |
| 3 | Mobile App Development | UNIT-II Chp3.UI Widget – I 3.1 LinearLayout, RelativeLayout 3.2 Button, EditText,TextView 3.3 Event Handling 3.4 RadioButton , CheckBox | 26-12-2018 | 10-01-2019 | 12 | Designing of Real Apps | Assignment to design Login |

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|---|------------------------------------|---|------------|------------|----|--|--|
| | U-ADC-434-M | 3.5 ImageView | | | | | 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 4.5 WebView | 11-01-2019 | 19-01-2019 | 07 | Group Discussion on Mobile Use | 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 | 29-01-2019 | 12-02-2019 | 12 | 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 | 13-02-2019 | 28-02-2019 | 12 | Seminar on DDL DML | Assignment to develop SQL Database App |
| 7 | Mobile App Development U-ADC-434-M | UNIT-IV Chp7. Telephony & Sensor API 7.1 TelephonyManager 7.2 PhoneCall 7.3 Send SMS 7.4 SensorManager | 01-03-2019 | 11-03-2019 | 06 | Live Demo Lecture on Google Play Store | Assignment to develop SMS App |
| 8 | | Chp8. Mini Projects | | | | | |

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|--|--|---|----------------|----------------|----|-------------------------|---------------------------------------|
| | | 8.1 Torch App 8.2 Media Player 8.3 Voice To Text Conversion | 12-03- 2019 | 20-03- 2019 | 07 | Live App Development | Assignment to develop Torch App |
|--|--|---|----------------|----------------|----|-------------------------|---------------------------------------|