# Rajarshi Shahu Mahavidyalaya ( Autonomous ), Latur Department of Information Technology Structured Work Plan for Teaching Academic Year 2019-20 ( JULY-2019 TO OCT-2019 )

| Class            | Name of<br>Teacher | Course Title                  | Course<br>Code | Practical<br>paper code             | Total<br>Teaching<br>Hours |
|------------------|--------------------|-------------------------------|----------------|-------------------------------------|----------------------------|
| BCA III (V Sem)  | Dr.S.V.Patil       | Cloud Computing<br>Teccnology | U-CCT-<br>618  | Lab. Course –<br>XX (U-LAC-<br>624) | Th-55<br>PR-12             |
| BCA II (III Sem) | Dr.S.V.Patil       | Multimedia Using<br>Flash     | U-MUF-<br>393  | Lab-Course-XII<br>(U-LAC-397)       | Th- 55<br>PR- 12           |

### 1. Details of Classes to be taught

#### 2. Summary of Lesson Plan

| Sr.<br>No. | Unit and Chapter to<br>be covered               | Date<br>From | Date<br>To | No. of<br>Lectures | Academic<br>activities<br>to be<br>organized | No. of Test /<br>Assignment<br>with topic |
|------------|---|--------------|------------|--------------------|--|---|
| 1          | UNIT I: .<br>Introduction to Cloud<br>Computing | 01-07-2019   | 24-07-2019 | 15                 | Seminar                                      | Class test                                |
| 2          | UNIT II: Service<br>Models                      | 25-07-2019   | 14-08-2019 | 10                 | Practice<br>Programs                         | Class test                                |
| 3          | UNIT III: Cloud<br>Technologies                 | 16-08-2019   | 10-09-2019 | 20                 | Seminar                                      | Class test                                |
| 4          | UNIT IV: Cloud<br>Development                   | 26-09-2019   | 24-10-2019 | 10                 | Programs discussion                          | Class test                                |

**Course Teacher** 

Dept. of Information Technology R.S.M.(Autonomous), Latur

PRINCIPAL Rajarshi Shahu Mahavidyalaya,Latag (Autonomous)

## Rajarshi Shahu Mahavidyalaya( Autonomous ), Latur

## **Department of Information Technology**

#### Structured Work Plan for Teaching

## Academic Year 2019-20

## (JULY-2019 TO OCT-2019)

#### 1. Summary of Lesson Plan

| Sr.<br>No. | Unit and Chapter to<br>be covered         | Date<br>From | Date<br>To | No. of<br>Lectures | Academic<br>activities<br>to be<br>organized | No. of Test /<br>Assignment<br>with topic |
|------------|---|--------------|------------|--------------------|--|---|
| 1          | UNIT I: Exploring<br>the Flash Interface  | 13-07-2019   | 24-07-2019 | 10                 | Seminar                                      | Class test                                |
| 2          | UNIT II:<br>Introduction                  | 01-08-2019   | 11-08-2019 | 10                 | Practice<br>Programs                         | Class test                                |
| 3          | UNIT III: Macintosh<br>& Windows Platform | 25-08-2019   | 14-09-2019 | 12                 | Seminar                                      | Class test                                |
| 4          | UNIT IV: Basic<br>Software Tools          | 16-09-2019   | 24-10-2019 | 23                 | Programs discussion                          | Class test                                |

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Head Dept. of Information Technology R.S.M.(Autonomous), Latur

Rojarshi Shahu Manavidyalaya Latar (Autonomous)

#### Teaching Plan Academic Year 2019-2020

Name of Teacher: Dr S V Patil

Class: B.Sc C.S. S.Y. Semester: IV

Course Title: Multimedia Usinfg Flash

Course Code: U-MUF-484

| Unit     | Topics To be Covered  | Date               | No. of Lectures |
|----------|---|--------------------|-----------------|
|          | 2. Introduction<br>2.1. CDROM and Multimedia Highway<br>2.2. Applications of Multimedia<br>2.3. Stages of Multimedia Project  | 10-12-19 to 7-1-20 | 13              |
| Unit II  | <ol> <li>Macintosh and Windows Productions Platforms</li> <li>1. Macintosh Platform</li> <li>2. Windows Platform</li> <li>3. Connections- SCSI and IDE</li> <li>4. Memory and Storage devices</li> <li>5. Input and Output Devices</li> </ol>   | 8-1-20 to 16-1-20  | 7               |
| Unit I   | <ol> <li>Exploring The Flash Interface</li> <li>The Flash stage</li> <li>Stage Settings</li> <li>Creating a new Flash file</li> <li>The various import formats</li> <li>Timeline- Play head/Frames/Key Frames/ Blank frames</li> <li>Menus, Toolbox and Properties</li> <li>Color Swatches and Color Mixer</li> <li>Rulers, Guides, Grids and Snappings</li> </ol>  | 20-1-20 to 08-2-20 | 12              |
| Unit III | <ul> <li>4. Basic Software Tools</li> <li>4.1. Text editing and word Processing tools</li> <li>4.2. Painting and drawing tools</li> <li>4.3. Image Editing Tools</li> <li>4.4. Sound Editing Tools</li> <li>4.5. Font Editing and designing tools</li> <li>4.6. Hypermedia and Hypertext</li> <li>4.7. Making Still Images : BITMAPS , Vector Drawing</li> <li>4.8. Colors, Image file formats</li> </ul> | 10-2-20 to 15-3-20 | 14              |
| Unit IV  | 5. Animation and Video<br>5.1. Principal of Animation<br>5.2. Making animation that work: Rolling Ball, Bouncing ball<br>5.3. Using Video<br>5.4. Broadcast Video Standards<br>5.5. Recording Formats   | 17-3-20 to 29-3-20 | 12              |

TOTAL

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Course teaches (D2. S.Y. Potil)

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Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

#### Teaching Plan Academic Year 2019-2020

Name of Teacher: Dr S V Patil Class: B.C.A. T.Y. Semester: VI Course Title: Digital Image Processing

Course Code: U-DIP-716

|        | Unit              | Topics To be Covered   | Date                        | No. of<br>Lectur<br>es |                                     |
|--------|-------------------|--|-----------------------------|------------------------|-------------------------------------|
|        | Unit I            | <ol> <li>Introduction to DIP</li> <li>What is digital image processing? Example fields of digital image processing,<br/>Fundamental</li> <li>steps in digital image processing, Components of image processing system.</li> <li>Elements of</li> <li>visual perception, Lights and electromagnetic spectrum, Image sensing and<br/>acquisition,</li> <li>Image sampling and quantization, Some basic relationship between pixels.</li> </ol>   | 10-12-19 to 16-1-20         | 20                     |                                     |
|        | Unit II           | <ul> <li>2.Digital Image Representation using Matlab</li> <li>Digital Image Representation: Coordinate Conventions, Images as Matrices</li> <li>Reading Images,</li> <li>Displaying Images, Writing Images, Data Classes, Image Types: Intensity Images,</li> <li>Binary</li> <li>Images, Converting between Data Classes and Image Types: Converting</li> <li>between Data</li> <li>Classes, Converting between Image Classes and Types, Array Indexing: Vector</li> <li>Indexing,</li> <li>Matrix Indexing, Selecting Array Dimensions, Some Important Standard Arrays.</li> <li>Introduction to M-Function Programming: M-Files, Operators, Flow Control,</li> <li>Code</li> <li>Optimization, Interactive I/O</li> </ul> | 20-1-20 to 08-2-20          | 12                     |                                     |
|        | Unit III          | 3.Intensity Transformation Functions: Function imadjust, Logarithmic and<br>Contrast-<br>Stretching Transformations, Some Utility M-Functions for Intensity<br>Transformations<br>Histogram Processing and Function Plotting: Generating and Plotting Image<br>Histograms,<br>Histogram Equalization, Histogram Matching (Specification) Spatial Filtering:<br>Linear<br>Spatial Filtering, Nonlinear Spatial Filtering  | 10-2-20 to 15-3-20          | 14                     |                                     |
| 0453et | Unit IV<br>Eaches | <ul> <li>4.Frequency Domain Processing and Histogram Processing 14 Hrs</li> <li>Frequency Domain Processing: The 2-D Discrete Fourier Transform, Computing and</li> <li>Visualizing the 2-D DFT in MATLAB, Filtering in the Frequency Domain:</li> <li>Fundamental</li> <li>Concepts, Basic Steps in DFT Filtering, A Model of the Image</li> <li>Degradation/Restoration</li> <li>Process, Color Image Representation in MATLAB: RGB Images, Indexed Images</li> <li>Femetions for Manipulating RGB and Indexed Images.</li> </ul>  | 17-3-20 to 29-3-20<br>TOTAL | 12                     |                                     |
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