E.M.G.YADAVA WOMEN'S COLLEGE, MADURAI-14
(An Autonomous Institution – Affiliated to Madurai Kamaraj University)
Re-accredited (3rd Cycle) with Grade A+ & CGPA 3.51 by NAAC

CBCS
DEPARTMENT OF COMPUTER APPLICATIONS - UG
(w.e.f. 2019 – 2020 Batch onwards)

CERTIFICATE COURSE

MULTIMEDIA TECHNOLOGY

COURSE STRUCTURE

Contact Hours : 90 hrs

S.No	Sub. Code	Title of the paper	Duration of Exam(hrs)	Max Marks
1.	19JC1	Multimedia Technology	3	100
2.	19JC1P	Multimedia Lab	3	100

E.M.G.YADAVA WOMEN'S COLLEGE, MADURAI-14

(An Autonomous Institution – Affiliated to Madurai Kamaraj University)
Re-accredited (3rd Cycle) with Grade A+ & CGPA 3.51 by NAAC
CBCS

DEPARTMENT OF COMPUTER APPLICATIONS
B.C.A
(w.e.f. 2019 – 2020 Batch onwards)

CERTIFICATE COURSE

MULTIMEDIA TECHNOLOGY

Title of the paper   : **Multimedia Technology**

Subject Code   : **19JC1**

Objectives:

To enable to work in audio, video and text files thereby bring about a project invoking audio, video and text in a desired manner.

Unit – I

The Working Environment: Using the Tool panel – Document and Scratch Sizes – Ruler Guides and Grids – Zooming and Moving Around – The Info Panel – Panel Techniques. **Image and Color Basics:** Rotating an Image – Resizing without Resampling – Resampling Up – Sampling Down – Cropping an Image – Adding a Border.

Unit - II

The Painting Tools: The Brush Preset Picker – The Brush Panel – Mixer Brush Tool – The Pencil Tool – The Gradient Tool. **The Editing Tools:** Blur, Sharpen and Smudge – The Clone Stamp Tool – Dodge, Burn and Sponge - The Eraser Tool – The Magic Eraser – The Background Eraser.

Unit –III

Color Adjustments: Brightness/Contrast – Auto Tone and Auto Color – The Levels Dialog Box – The Curves Dialog Box – The Histogram Panel – The Adjustments Panel. **Filters:** Filter Controls – Unsharp Mask and Sharpen Filters – Smart Sharpen – Blur Filters – Noise Filters **-** Reduce noise Filter.

Unit – IV

   An Introduction to Flash: What Is Flash? – Web Image Creator – Web Animator – Flash Basics: The Flash Stage – The Timeline – Layers – The Toolbox – The Panels – The Zoom Control. **Simple Drawing Techniques:** Understanding Layers: Why you Need Layers – Adding Layers – Adding Objects to Different Layers.

Unit –V

   Adding Some Easy Animation: Animating in Minutes: Making Objects Move **-** Rotating Objects – Making Objects Shrink or Grow – Making Objects Change Shape. **Learning About the Tools:** Getting Know the Tools: Drawing Lines – Drawing Boxes – Drawing Circles – Adding Text.

Text Books:

1. Robert Shufflebotham "Photoshop CS6" McGraw Hill Education (India) Private Limited, 2012.

    Chapters:

      Unit-I: 2,4.

      Unit-II: 5,6.

      Unit-III: 12,13.

2. Brain Underdahl "The Complete Reference Macromedia Flash MX" Tata McGraw-Hill, 2002.

    Chapters:

      Unit-IV: 1,2.

      Unit-V: 3,4.

Reference Books:

1. Agarwal and Tiwari "Multimedia Systems", Excel Books Publication, India, First Edition, 2002.

2. David Hillman "Multimedia Technology and Applications", Galgotia Publications, New Delhi, First Edition, 2008.

3. Gokul S "Multimedia Magic", BPB Publication,New Delhi, Second Edition, 2008.

4. udith Jeffcoate "Multimedia in Practice" , Pearson Education, India,Second Edition,2003.

5. Winn L. Rosch "Multimedia Bible", Sams Publication, USA, First Edition,1995.

E.M.G.YADAVA WOMEN'S COLLEGE, MADURAI-14

(An Autonomous Institution – Affiliated to Madurai Kamaraj University)
Re-accredited (3rd Cycle) with Grade A+ & CGPA 3.51 by NAAC
CBCS

DEPARTMENT OF COMPUTER APPLICATIONS
B.C.A
(w.e.f. 2019 – 2020 Batch onwards)

CERTIFICATE COURSE

MULTIMEDIA TECHNOLOGY

Title of the Paper : **Multimedia Lab**

Sub Code : **19JC1P**

Photoshop:

1. Design snow falls using Photoshop.

2. Design layer blends mode using Photoshop.

3. Create Silky Smooth Water Falls Effect using Photoshop.

4. Create motion trail effect using Photoshop.

5. Make Glow Effect using Photoshop.

6. Create frame setting using Photoshop.

7. Use selection tools Lasso tool, Clone stamp tool.

Flash:

1. Design a picture masking using Flash.

2. Design text masking using Flash.

3. Design photo masking using Flash.

4. Design traffic signals using Flash.

5. Design flash fades in & fades out using Flash.

6. Create simple 3D animation and export.

7. Export movie to html, gif, Flash formats.