GOVERNMENT AUTONOMOUS COLLEGE : RAJAMAHENDRAVARAM

(Accredited by NAAC "A" Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

I B.Com., Computer Applications

SYLLABUS (W.E.F 2018-2019)

PAPER – I: COMPUTER FUNDAMENTALS AND PHOTOSHOP

SEMESTER – I

Time : 4 Hours / Week Internal: 40 Marks External: 60 Marks Total: 60 Hours

Objective:

To learn computer fundamentals and Photoshop techniques - To learn computer fundamentals and Photoshop techniques -Comprehend the Photoshop environment and their applications.

Course Outcome

To explore basic knowledge on computers and Photoshop's beauty from the practical to the painterly artistic and to understand how Photoshop will help you create your own successful images

UNIT-I: Introduction to computers: characteristics and limitations of computer, Block diagram of computer, types of computers, uses of computers, computer generations. Number systems :binary, hexa and octal numbering system- **Windows basics**: desktop, start menu, icons.

UNIT-II: Input and output devices: Keyboard and mouse, inputting data in other ways, Types of Software: system software, Application software, commercial, open source, domain and free ware software, Memories: primary, secondary and cache memory.

Unit–III: Introduction to Adobe Photoshop: Getting started with Photoshop, creating and saving a document in Photoshop, page layout and back ground, Photoshop program window-title bar, menu bar, option bar, image window, image title bar, status bar, ruler, pallets, tool box, screen modes, saving files, reverting files, closing files.

Unit –IV: Images: working with images, image size and resolution, image editing, color modes and adjustments, Zooming & Panning an Image, Rulers, Guides & Grids-
Working with tool box: Practice Sessions.

Unit-V: Layers: Working with layers- layer styles- opacity-adjustment layers
Filters: The filter menu, Working with filters- Editing your photo shoot, presentation –how to create adds, artistic filter, blur filter, brush store filter, distort filters, noise filters, pixelate filters, light effects, difference clouds, sharpen filters, printing.

Additional Inputs under Autonomy:
Cropping & Straightening an Image, Image Backgrounds, Making selections.

Reference Books:
1. Fundamentals of Computers by ReemaThareja from Oxford University Press
2. Adobe Photoshop Class Room in a Book by Adobe Creative Team.
3. Photoshop: Beginner's Guide for Photoshop - Digital Photography, Photo Editing, Color Grading & Graphic...19 February 2016 by David Maxwell

Blue Print			
Units	**Name of the Topic**	**Short 4 M**	**Essay 8 M**
I	Introduction to Computers	1	2
II	Input and output devices	1	2
III	Introduction to Adobe Photoshop	2	2
IV	Images & Working with tool box	2	2
V	Layers & Filters	2	2

Practice Sessions: working with pen tool, save and load selection-working with erasers-working with text and brushes-Colour manipulations: colour modes- Levels – Curves - Seeing Colour accurately - Patch tool – Cropping-Reading your palettes - Dust and scratches- Advanced Retouching- smoothing skin

PHOTO SHOP LAB

1. Create your Visiting card
2. Create Cover page for any text book
3. Create a Paper add for advertising of any commercial agency
4. Design a Passport photo
5. Create a Pamphlet for any program to be conducted by an organization
6. Create Broacher for you college
7. Create Titles for any forthcoming film
8. Custom shapes creation
9. Create a Web template for your college
10. Convert color photo to black and white photo
11. Enhance and reduce the given Image size
12. Background changes
13. Design Box package cover
14. Design Texture and patterns
15. Filter effects & Eraser effects