



GOVERNMENT OF TAMILNADU
DIRECTORATE OF TECHNICAL EDUCATION, CHENNAI-25
STATE PROJECT COORDINATION UNIT

(Established under Canada India Institutional Cooperation Project)

CURRICULUM

Course Name	PHOTOSHOP
Course Code	AA/2020/002
Course Duration	40 Hours
Minimum Eligibility Criteria and Pre-requisites (if any)	10 TH STD & Above
Course Objectives	<p>Training module has been designed to provide the participants to</p> <ul style="list-style-type: none"> Identify the major regions of the Photoshop workspace and explain the function of each: Menu bar and context menus, Options bar, Toolbox, palettes, and document window(s). Use the Workspace menu to change and use built-in workspaces Explore Photoshop Help, and use it to find out more about the tools in the Toolbox Manipulate and customize palettes Open and navigate a Photoshop document with menu commands, the Zoom and Hand tools, and the Navigator palette Create a layered Photoshop document from a starting image (provided). Use Undo commands and the History palette to reverse document changes. Print a Photoshop document by configuring the Photoshop Print dialog box Save a copy of the print-quality document for fast online transmission
Course Outcomes	<p>At the end of training, the participants will be able to</p> <ul style="list-style-type: none"> Demonstrate basic skills using Photoshop software and the peripherals. Demonstrate an ability to use a range of tools and filters in Photoshop. Demonstrate an ability to print with a variety of techniques and papers. Creatively solve visual problems. Evaluate, adjust, refine, and rework solutions. Use instructor and peer criticism to improve skills and rework solutions. Demonstrate craftsmanship and professional presentation by preparing artwork for submission to a gallery or show. Follow directions and meet deadlines.
Expected Job Roles	Design Engineer& Entrepreneur.

TEACHING AND SCHEME OF EXAMINATION						
Course Code	Course Name	Hours		Assessment Marks		Duration of Examination
				Min	Max	
AA/2020/002	PHOTOSHOP	Theory	14	10	20	3 Hours
		Practical	26	40	80	
		Total	40	50	100	

AA/2020/002-PHOTOSHOP
DETAILED SYLLABUS

Unit No	Modules	No. of Hours	
		Theory	Practical
I	Introduction	5 Hours	
1.1	Introduction to Adobe Photoshop –Navigating Photoshop– Menus and panels–Opening new files–Opening existing files	2	3
1.2	Getting started with Photoshop –Exploring the Toolbox		
1.3	The New CS6 Applications Bar & the Options Bar		
1.4	Exploring Panels & Menus–Creating & Viewing a New Document		
1.5	Customizing the Interface– Setting Preferences		
	<u>Lab Exercise:</u> Removing background of an image and adding a new background		
II	Commands	9 Hours	
2.1	Working with Images – Zooming & Panning an Image – Working with Multiple Images, Rulers, Guides & Grids	3	6
2.2	Undoing Steps with History – Adjusting Color with the New Adjustments Panel–The New Note Tool & the Save for Web & Devices Interface– The New Masks Panel &Vibrance Color Correction Command–. The New Auto-Blend & Auto-Align Layers Commands		
2.3	The New 3D Commands–Resizing & cropping Images– Understanding Pixels & Resolution –The Image Size Command		
2.4	Interpolation Options–Resizing for Print & Web		
2.5	Cropping & Straightening an Image– Adjusting Canvas Size & Canvas Rotation		
	<u>Lab Exercise:</u> Retouching a rendered 3D elevation		
III	Tools	14 Hours	
3.1	Working with basic selections – Selecting with the Elliptical Marquee Tool – Using the Magic Wand & Free Transform Tool	5	9
3.2	Selecting with the Regular & Polygonal Lasso Tools – Combining Selections – Using the Magnetic Lasso Tool – Using the Quick Selection Tool & Refine Edge		
3.3	Modifying Selections– Getting Started with Layers–Understanding the Background Layer –Creating, Selecting, Linking & Deleting		

3.4	Layers –Locking & Merging Layers –Copying Layers, Using Perspective & Layer Styles –Filling & Grouping Layers		
3.5	Introduction to Blending Modes –Blending Modes, Opacity & Fill –Creating & Modifying Text–Painting in Photoshop		
3.6	Using the Brush Tool–Working with Colors & Swatches– Creating & Using Gradients–Creating & Working with Brushes		
3.7	Using the Pencil & Eraser Tools –Painting with Selections		
	<i>Lab Exercise: Cutting the sharp edge of the images using pen tool</i>		
IV	Special effects	12Hours	
4.1	Photo Retouching –The Red Eye Tool –The Clone Stamp Tool – The Patch Tool & the Healing Brush Tool –The Spot Healing Brush Tool	4	8
4.2	The Color Replacement Tool–The Toning & Focus Tools– Painting with History–Introduction To Color Correction–Color Spaces & Color Modes		
4.3	The Variations Command–The Auto Commands–Adjusting Levels–Adjust Curves, Non-Destructively, with Adjustment Layers–Using Quick Mask Mode –Quick Mask Options –Painting a Selection –Saving & Removing a Selection from the Background		
4.4	Working With The Pen Tool–Understanding Paths & the Pen Tool –Creating Straight & Curved Paths–Creating Combo Paths– Creating a Clipping Path		
4.5	Creating Special effects–Getting Started with Photoshop Filters – Smart Filters –Creating Text Effects –Applying Gradients to Text		
4.6	Exporting your works –Saving with Different File Formats–Saving for Web & Devices –Printing Options–Credits		
	<i>Lab Exercise: Environmental settings using special effects and convert source file into jpeg/png format</i>		
Total Theory and Practical Hours		14	26
Total hours		40	

HARDWARE REQUIREMENT

S.NO	LIST OF TOOLS /EQUIPMENTS
1	Computer/Laptop for each student
2	LCD Projector

SOFTWARE REQUIREMENT

ADOBE PHOTOSHOP

REFERENCES

S.NO	Particulars	Author	Publisher/Website
1	Photoshop: Step-By-Step Tutorial for Beginners – Learn How to Start Using Photoshop And Creating Professional Looking Photos	-	Kindle Edition
2	Photoshop CC in Simple Steps	DT Editorial Services	Cloutail India
3	Adobe® Photoshop® CC Help	-	Adobe https://helpx.adobe.com/pdf/photoshop_reference.pdf
4	Adobe Photoshop 6.0	User guide	Adobe
5	Photoshop 7 Basic: User Manual	User guide	University of Arizona
6	Photoshop for Beginners (you tube)	-	Envato Tuts+
7	Photoshop Tutorials for Beginners (Part 1)(you tube)	-	Photoshop Picture Editor
8	Learn Photoshop in 1.30 Hrs Full Photoshop CC Tutorial in Tamil (தமிழ்)(you tube)		MutualGrid Photoshop Tutorials
9	Basics of photoshop full guide	Adam Dachis	https://lifelacker.com/people/adachis
10	Hands-on Photoshop for Beginners – Step by Step Instructions	-	http://hr.fullerton.edu/documents/professionaldevelopment/ubi/archive/ws2011-12/Hands-on%20Photoshop%20Step-by-Step%20Instructions%20CS5.pdf
11	An introduction to Adobe Photoshop	Steve Bark	Steve Bark &Ventus publishing Aps

ASSESSMENT AND CERTIFICATION

S.No	Criteria for Assessment
1.	A trainee will be assessed based on the performance in End Examination for Theory and Practical conducted internally in the Project Polytechnic College for a duration of 3 hours
2.	A trainee must have 75% of attendance to appear for End examination in Theory and Practical.
3.	The assessment for theory part will be based on the marks scored in the end examination on the knowledge bank of questions (1 word/objective type questions)
4.	The assessment for practical part will be based on the marks scored in the end examination conducted by the Project Polytechnic and assessed by the Examiners approved by Strategic Plan Implementation Committee (SPIC) of the project polytechnic.
5.	The passing criteria for successful completion of training is every trainee should score 50% of marks in theory and practical examination.
6.	On successful completion of training certificate will be issued by Directorate of Technical Education through the project polytechnic.

END EXAMINATION

ALLOCATION OF MARKS

S.No	Description	Max. Marks
1.	Theory Examination	20
2.	Practical Examination	
	Aim and Procedure	20
	Demonstration / Execution	25
	Result & Viva Voce	15
	Record	20
Total Marks		100

THEORY MODEL QUESTION PAPER

AA/2020/002- PHOTOSHOP

(Maximum Marks: 20)

(N.B: Answer any **Twenty** questions)

20x1= 20 Marks

1. How do you create a new file?
2. How do you open a existing file?
3. Write the commands in application bar?
4. Name any three commands in menu bar.
5. How do you open the setting preference?
6. Name any three commands in toolbox.
7. Write the short cut of zooming an image
8. Write the command of panning an image
9. How do you create grids in an image?
10. How do you adjust the color in an image?
11. Name any two 3d commands
12. How do you resting the image to take print out?
13. How do you crop the image?
14. Write the commands to select the image.
15. What is a gradient in photoshop?
16. What is a smart object?
17. How do you organize layers to photoshop?
18. How do you can unlock the background in photoshop?
19. How do you select an exact color to match?
20. What is healing tool?
21. What is clone too?
22. How does red eye tool works?
23. How you can analyze the color tone in light room?
24. How do you save the file in different formats?
25. How do you create different text effect?