

**SHORT TERM VOCATIONAL
CERTIFICATE COURSE**

PHOTOGRAPHY AND PHOTO-EDITING
(6 months Duration)

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PHOTOGRAPHY AND PHOTO-EDITING

NAME: Certificate in Photography and Photo-Editing
SECTOR: Media Services
CODE: PPE
ENTRY QUALIFICATION: Minimum 10 th Std.
PRE-REQUISITES: Basic Knowledge of Photography & Photo-Editing

Terminal Competence: After completing this course, students will be able to learn skills and knowledge necessary to pursue a career in photography. Students will be able to work as freelance photographers, retouching editors or establish their own photo studio. By the end of the course, students will have a strong understanding of Adobe Photoshop and Lightroom and the ability to produce high-quality images.

Duration: 6 Months (240 Hours)

Introduction:

It is a comprehensive 6-month certificate course designed to equip participants with foundational skills in digital photography and image editing. Through practical lessons and hands-on projects, students will learn essential techniques in capturing stunning photos and enhancing them using professional editing software.

Objectives:

- To learn Photography in terms of Technicality, Composition and Emotion
- Understand Lighting and capture images in all conditions
- Make Documentation of Event/Process/Activity
- To Understand How Photography can be made a livelihood
- To know end-to-end of the photography business

Skills:

- Be Able to Handle any still camera
- Save Image files in different formats as needed
- Process and deliver both soft copy and hard copy of the photograph
- To understand and shoot according to the purpose of creating an image
- To edit, manipulate and make better photographs to meet the requirement of the image
- Be Versatile in capturing and producing images

ON THE JOB TRAINING AND PRACTICALS:

- Work at Photography Studios and Production Houses
- Assignments for Photography
- Real Time Editing Assignments
- Exposure to Core-Photography Activity

List of Equipment

- Camera
- Subjects / Product / Model
- Lighting Equipment
- Computers
- Software

SCHEME OF INSTRUCTION/MODULE:

1. Communicative English: 40 Hours

2. Course: 200 Hours (06 months)

Duration of Course	Theory		On the Job Training		Total	
	Hours	Weightage	Hours	Weightage	Hours	Weightage
06 Months	60	30%	140	70%	200	100%

COURSE SYLLABUS

Unit-01:

Introduction to Basic Photography

-10

Hours: Basic principle in film and digital photography - History of Photography - Camera Basics - Different parts of camera and their basic functions - Camera Accessories -Types of Cameras - Classification of cameras - Focusing arrangements viewfinder systems.

Main Controls on a Camera: Types of Lenses – Shutter – Diaphragm – Exposure - Film and digital image sensor - Depth of field –Lighting- Photography with Flash - Introduction to Flash Photography - Types of Flash - Techniques for Flash Photography - Filters in Photography - Introduction to filters - Types of filters -Use of filters in photography.

Digital Camera: Process of digital imaging - Types of digital cameras - Menu operations of Digital cameras -Introduction to colors - Color theory in photography - Definition of Lighting- Principles of Lighting – Reflection - Light Characteristics – Color - Direct Light and Indirect Light - Light and Subject -Light as subject - Shadow as subject - Light sources - Natural Light and Artificial Light.

Principles of Visualization: Composition Guidelines - Types of Perspectives - Practical exercises on- camera controls and aesthetics of photography

Unit-02:

Outdoor Photography: -

-20 Hours

Introduction to Outdoor Photography - Types of outdoor photography - Camera Basics for Outdoor Photography -Different parts of camera and their basic functions -Camera Accessories for outdoor photography - Understanding Light - Types of light sources in outdoor photography.

Composition Techniques - Rule of thirds – Framing - Leading lines -Exposure and Depth of Field - Understanding exposure in outdoor photography.

Landscape Photography: Techniques for landscape photography -Use of natural light in landscape photography -Cityscape Photography - Composition guidelines for cityscape photography -Macro Photography - Techniques for macro photography.

Use of close-up filters in macro-Photography: Black and White Photography - Use of filters in black and white photography - Portrait Photography - Use of artificial light in portrait photography

Night Photography

-20 Hours

Techniques for night photography -Use of long exposures in night photography

Architecture Photography: Techniques for architecture photography -Use of wide-angle lenses in architecture photography

PRACTICAL

-50 Hours

Unit-03:

Practice shooting indoor photos, including portraits, product photography, Food Photography and glamour and Fashion photography

Practice shooting outdoor photos, including landscape photography, Architecture Photography and street photography

Throughout the internship, there will be weekly assignments and critiques of the photographs taken by the interns. These assignments will involve applying the concepts and techniques learned in the classroom to real-world photography situations. The critiques will be used to provide feedback and help the interns improve their photography skills.

In addition, there will be guest speakers and field trips to museums, galleries, and other photography-related events to provide additional exposure to the world of photography. The internship will culminate in a final project where the interns will showcase their best work and present it to a panel of professionals for feedback and evaluation.

Unit-04:

Basics of Computer

-5 Hours

Define a computer – Types of computers – Difference between normal computer and High-ended computer - Types of Operating systems. - To transfer digital images from camera to computer.

Introduction to Photoshop and Lightroom

-5

Hours Overview of Photoshop and Lightroom interface -Understanding the difference between Photoshop and Lightroom - Basics of image editing.

Unit-05:

Image Editing in Lightroom -10 Hours

Importing and organizing images -Adjusting exposure, colour, and tone - Enhancing images with special effects.

Image Editing in Photoshop -15 Hours

Layers and layer masks -Selection tools and techniques - Retouching and restoring images - RAW Processing in Lightroom - Understanding RAW files and their benefits - Importing and processing RAW files in Lightroom - Advanced Techniques in Lightroom - Creating presets and templates - Working with brushes and gradients -Exporting images for print and web.

Advanced Image Editing in Photoshop -15 Hours

Advanced selection tools and techniques - Creating and manipulating layers - Working with text and shapes - Creating Composite Images in Photoshop - Combining multiple images into a single composite image - Adding and blending layers - Creating special effects - Advanced Techniques in Photoshop - Creating custom brushes and patterns - Using filters and plug-ins.

Unit-06:

Portfolio Presentation - 50 Hours

Presenting the final portfolio of indoor or outdoor photography with retouching of 20 images with a neat presentation box.

Qualifications of Teaching Faculty:

- BFA Photography & Visual Communication.
- The faculty member should have in-depth knowledge of Photography and Retouching.

External Examiner Qualifications:

- A recognized qualification in photography or a related field (e.g., a degree or certification).
- Extensive experience in professional photography or photo editing.
- Proficiency in using photography equipment and photo editing software.
- Experience in assessing photography projects or teaching photography courses.

Reference books/ Internet links:

[PRO EDU | Professional Photography & Photoshop Tutorials](#)

www.elixxier.com

[Fstoppers - Photography News, Gear Reviews, Tutorials, and Community](#)
[Photography Life](#)

[Lightroom Academy \(adobe.com\)](#)

[Lynda.com](#)

Division of Marks:**Theory: 100 Max. Marks**

1. Communicative English: 20 marks
2. Short Questions: 6 x5m = 30 marks
3. Long Questions: 4x10 = 40 marks
4. Multiple Choice Questions: 10x1=10 marks

Practical: 100 Max. Marks

1. Viva: External: 40 marks
Record/ Mini Project: 10 marks
2. Internship/ OJT: 50 marks

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REGD. No.:
Time: 3 Hrs

Max Marks: 100

Photography & Photo Editing
MODEL QUESTION PAPER -THEORY

SECTION- A

Communicative English

20 Marks

SECTION- B

Note: a) Answer **ALL** questions.

b) Each question carries **6 Marks.**

6X5M=30 Marks

1. Explain the significance of the daguerreotype in the history of photography.
2. Differentiate between a prime lens and a zoom lens in photography.
3. Explain the purpose and usage of a photography modifier, specifically a "softbox."
4. Define a computer.
5. Explain the advantages of Adobe Lightroom.
6. Explain about RAW and JPEG formats.

SECTION- C

Note: a) Answer any **Four** questions.

b) Each question carries **10 Marks.**

4X10M=40 Marks

1. Who is credited with producing the world's first photograph, and what was the name of this photograph?
2. What is the purpose of the "Rule of Thirds" in composition?
3. Define "Depth of Field" in photography and explain its creative implications.
4. Draw a neat diagram of a computer and explain its parts.
5. Discuss in detail Adobe Photoshop software.
6. How to transfer digital images from a camera to a computer?

SECTION-D

Each question carries 1 Mark.

10X1 =10 Marks

- 1). What is the main function of the aperture in a camera? ()
A) To adjust the color balance
B) To focus the image
C) To control the amount of light entering the camera
D) to stabilize the image
- 2). What does ISO in photography refer to? ()
A) Image sharpness optimization
B) International Standards Organization
C) The camera's sensitivity to light
D) In-camera stabilization operation
- 3). What is the effect of a slower shutter speed on a photograph? ()
A) It makes the photo darker.
B) It freezes fast-moving subjects.
C) It increases the depth of field.
D) It creates motion blur.
- 4). What does the term "depth of field" refer to in photography? ()
A) The distance between the nearest and the farthest objects that are in acceptably sharp focus
B) The color range of a photograph
C) The clarity of a photograph's main subject
D) The brightness of a photograph
- 5). What is the primary function of the Central Processing Unit (CPU) in a computer? ()
A) To store data
B) To execute instructions
C) To display graphics
D) to connect to the internet
- 6). Which of the following is an example of an input device? ()
A) Monitor
B) Printer
C) Keyboard
D) Speaker
- 7). In Adobe Photoshop, which tool is used to remove blemishes and imperfections by sampling pixels around the spot? ()
A) Clone Stamp Tool
B) Healing Brush Tool
C) Patch Tool
D) Magic Wand Tool
- 8). Which file format preserves all Photoshop features such as layers, effects and masks? ()
A) JPEG
B) PNG
C) TIFF
D) PSD
- 9). In Adobe Lightroom, what does the "Clarity" slider adjust? ()
A) The overall exposure of the image
B) The contrast of midtones, adding depth and detail
C) The color saturation
D) The sharpness of the image
- 10). What is the primary function of the "Library" module in Lightroom? ()
A) To edit photos
B) To organize and manage photos
C) To create photo books
D) To apply filters and effects

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MODEL QUESTION PAPER –PRACTICAL

Answer ALL questions.

40 Marks

Q1. (20 Marks): You should demonstrate your understanding of exposure settings in photography. Set up your camera in a well-lit room and take three photographs of the same scene using the following settings:

Photograph

- Aperture priority mode, f/4, ISO 200 Photo
- Shutter Priority Mode, 1/250 sec, ISO 400 Photo
- Manual mode, f/8, 1/60 sec, ISO 800 Provide photographs and explain the effect of each setting on the exposure and final image.

Q2. (10 Marks): Edit a portrait photograph using Adobe Photoshop. Perform the following edits and provide before and after images:

- Adjust levels and curves to improve contrast and brightness.
- Use the Healing Brush tool to remove blemishes.
- Apply a vignette effect to draw attention to the subject.

Q3. (10 Marks): Step by step process in the given answer sheet.

Mini-project & Viva:

- | | |
|-------------------------|-----------------|
| • Record | 10 Marks |
| • Internship/OJT | 50 Marks |
