

# AMID12 WORKSHOP (PHOTOGRAPHY)

## UNIT-1 INTRODUCTION

- 1.1 Basic principles of photography and photographic equipment Analog and digital photography.
- 1.2 Types of cameras. Understanding of the camera, its various parts and controls. Lenses, sensors, scanners, shutter speeds and movement, focus and aperture, choice of exposure, changing focal length, flash and its control, light conditions, light compensation.
- 1.3 Accessories- studio equipment, tripod, flashlight, lens filters, hood, adapters, grid screen, memory cards, batteries and rechargeable etc., use of fixed focal lenses, black and white negative films.

## UNIT-2 TECHNIQUES

- 2.1 Seeing and photographing, using the view finder, framing up, creating a point of emphasis, picking lighting conditions, pattern, texture and shape, color etc.,

## UNIT-3 LIGHTING IN PHOTOGRAPHY

- 3.1 Quality and quantity, soft and hard, lighting direction, color temperature in camera meters, incident light meters, flash meters, using studio lights,
- 3.2 Number of lights, types of lights, tungsten, flash, fluorescent etc., proper accessories, reflectors, filters, shift lens, daylight, artificial light, mixed light, simple setups for adding light, multiple light sources etc.

## UNIT-4 DIGITAL PHOTOGRAPHY

- 4.1 Introduction to digital photography tools, different aspects of taking images, steps in image processing, editing techniques, sequencing, image manipulation using a computer,
- 4.2 Storage formats, printing digital files, presentation of photographs.

## UNIT-5 INTERIOR PHOTOGRAPHY

- 5.1 Analysis of subject and content, perspective- vanishing points, distortion, converging verticals, usage of shift lens, camera position, picture format, image frame and composition
- 5.2 Stationery surrounding objects, moving objects.
- 5.3 Shooting parameters- shutter speed, aperture, light sensitivity, exposure, shadows and reflections.

## UNIT-6 CLOSE-UP PHOTOGRAPHY

- 6.1 Special equipment – macro lenses, extension tubes, close up lenses, wide angle lenses, fish eye, reflectors, tripods, ring flash, digital point and shoot cameras.
- 6.2 Depth of field and aperture, creatively correct exposure, specific lighting, foreground and background framing, filling the frame horizontal vs. vertical, texture up close, final image.

## Reference Book:

1. Scott Kelby, The Digital Photography Book, peach pit press, 1st edition, 2006.