

## JOR160401: Introduction To Digital Photography And Videography

**Credits 3**

**Hours: 50**

### **Objective:**

To provide an insight to the tools and techniques of capturing and reproducing images, equips the students to understand basic functions of still and movie cameras.

### **Unit1: Camera and Lenses**

**10 Hrs**

Aesthetics in photography, Types of cameras, parts of the camera, Types of lenses

### **Unit 2: Composition**

**10 Hrs**

Picture structuring- Composition- Rule of thirds, Golden Section, Dynamic symmetry, in- camera editing, Elements in a composition- space, line, shape, form, texture, pattern, colour.

### **Unit 3: Key Concepts**

**15 Hrs**

Shutter speed, ISO, Aperture, F. numbers, Depth of field, depth of focus, Changing focal lengths, Capturing photographs: Understanding basic day light, White balance, artificial lighting- Three point lighting.

### **Unit 4: Videography**

**15 Hrs**

Knowing your camera and camera mounting equipments, Types of file formats, Basic grammar of films: shots, scenes, sequence; Fundamentals of video editing; short film production.

### **Suggested Reading**

1. Kenneth Kobre. (2008). *Photojournalism: The Professionals' Approach*, London. Focal Press.
2. Michael, Langford(2000). *Basic Photography*, Delhi: Focal Press.
3. Millerson, Gerald.(1998). *Basic Lighting Techniques*, New Delhi: Focal Press.
4. Krages, B. (2012). *Photography: the art of composition*. Skyhorse Publishing, Inc..
5. Millerson, Gerald and Jim Owens (2011) *Video Production Handbook* Boston: Focal Press
6. Millerson. G. (1990), *The Technique of Television Production Focal Press*, New Delhi