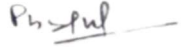
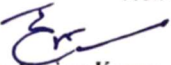
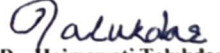


Programme: B.Sc. Animation and VFX		Year: 1st	Semester: II
Course Code: VOC190		Course Title: Fundamentals of Photography & Cinematography	
Course outcomes: • Understand the fundamental principles of photography and cinematography along with their applications in digital media. • Demonstrate proficiency in camera handling, exposure control, composition, framing, lighting, and visual storytelling. • Apply photographic and cinematographic techniques to capture high-quality still images and cinematic videos. • Utilize industry-standard digital cameras, mobile filmmaking techniques, and basic post-production workflows. • Develop creative visual content and produce a professional photography and cinematography portfolio suitable for animation, VFX, filmmaking, and digital media industries.			
Credits: 3		SEC	
Max. Marks: 25+75		Min. Passing Marks: 10+25	
Unit	Topics		No.of Lectures Total= 60
I	Fundamentals of Photography & Camera Systems: Introduction to Photography and Cinematography, History and Evolution, Importance in Animation, VFX and Digital Media, Types of Cameras (DSLR, Mirrorless, Cinema Camera and Smartphone), Camera Components, Exposure Triangle (ISO, Aperture and Shutter Speed), Lens Types and Focal Length, Image Resolution, Aspect Ratio, File Formats (RAW & JPEG), Basic Camera Handling and Safety.		15
II	Composition, Visual Communication & Cinematic Language: Principles of Visual Communication, Rule of Thirds, Leading Lines, Framing, Perspective, Depth of Field, Camera Angles, Shot Sizes, Camera Movements (Pan, Tilt, Dolly, Crane, Gimbal and Handheld), Visual Continuity, Storytelling through Photography and Cinematography, Mood Creation using Composition and Camera Techniques.		15
III	Lighting, Digital Imaging & Content Creation: Natural and Artificial Lighting, Three-Point Lighting Setup, Colour Temperature, White Balance, Basic Sound Recording Concepts, Indoor and Outdoor Photography, Portrait, Product and Landscape Photography, Basic Colour Correction, Image Enhancement, Mobile Photography and Mobile Filmmaking Techniques.		15
IV	Photography & Cinematography Project: Pre-production Planning, Shot Division, Storyboard Interpretation, Photo Essay Development, Short Cinematic Sequence Production, Basic Video Editing Workflow, Portfolio		15

	Development, Copyright and Ethics, Presentation Techniques, Final Photography & Cinematography Project and Portfolio Review.	
Suggested Readings: • <i>Blain Brown – Cinematography: Theory and Practice</i> • <i>Bryan Peterson – Understanding Exposure</i> • <i>Michael Langford – Langford's Basic Photography</i> • <i>Joseph V. Mascelli – The Five C's of Cinematography</i> • <i>Scott Kelby – The Digital Photography Book</i> • <i>Tom Ang – Digital Photography Masterclass</i>		
Suggested Continuous Evaluation Methods: ☐ <i>Camera Handling Exercises</i> ☐ <i>Exposure & Composition Assignments</i> ☐ <i>Portrait Photography Project</i> ☐ <i>Product & Landscape Photography</i> ☐ <i>Camera Movement Practice</i> ☐ <i>Lighting Setup Exercises</i> ☐ <i>Photo Essay Development</i> ☐ <i>Cinematic Short Scene Production</i> ☐ <i>Portfolio Development</i> ☐ <i>Viva Voce</i>		
Suggested equivalent online courses: • <i>Photography Foundations – LinkedIn Learning</i> • <i>Fundamentals of DSLR Photography – Udemy</i> • <i>Adobe Lightroom Essential Training – LinkedIn Learning</i> • <i>Introduction to Filmmaking – FutureLearn</i> • <i>The Language of Hollywood: Storytelling, Sound and Color – Coursera</i>		

 Prof. Virendra Kr Vyas	 Prof. Manukonda Rabindranath	 Prof. Prashant Kumar
 Dr. Om Shankar Gupta	 Dr. Hariom Kumar	 Dr. Haimawati Talukdar
		 Dr. Diwakar Awasthi (Coordinator)