CVM UNIVERSITY
Aegis: Charutar Vidya Mandal (Estd.1945)

FACULTY OF ENGINEERING & TECHNOLOGY

Effective from Academic Batch: 2022-23

Programme: Bachelor of Technology (Automobile Engineering)

Semester: II

Course Code: 900009903

Course Title: Photography

Course Group: Labral Arts

900009903: PHOTOGRAPHY

I. Number of Credits : Two (02)

II. Teaching & Evaluation

Contact Sessions / Hours per week			Examination Marks (Maximum / Passing)		
Theory	Practical	Contact Sessions	Internal (T/P)	External (T/P)	Total
	2		40	60	100

*T-Theory/P-Practical[J: Jury; V: Viva; P: Practical, O: Other, Pl. Specify]

III. Course Objectives

The objectives of this course are:

- To introduce students to the tools and techniques of photography
- To provide students a thorough understanding of the mechanism and operations of a camera and help them understand the importance of aperture, shutter speed, film speed, depth of field, movement, and light meters to create a master shot
- To enable students to come out with a final project that demonstrates a single or a unified photographic idea or technique
- To explain students varied types of photographic representation including appropriation, persona, mixed media, non-objective images and engage them into experimentation using digital media
- To make students create a portfolio demonstrating creative uses of artificial and mixed lighting situations

IV. Course Outline

Module No.	Title/Topic	Contact Sessions
1	**An Introduction to Photography** • *Art, Design ANd VisuALIZATion* • *BASics of PhotogrAPHy ANd VARious Types of PhotogrAPHy* • *BASics of Post Production* • *A Brief History of PhotogrAPHy: EARly Experiments AND LATEr Developments*	03
2	**Camera and Operating System** • *Role of CAMErA in the PhotogrAPHy* • *Types of CAMErA* *Pin-hole, box, folding, LARge ANd medium forMAT CAMerAS, single lens reflex (SLR) ANd twin lens reflex (TLR), minIATure, submINIATure ANd insTANt cAMErA* • *PrinciPAL PARts of PhotogrAPHic CAMErA* *Lens, Aperture, Shutters, vARious types ANd their functions, focAL PLANe shutter ANd in-between the lens shutter, shutter synchroniZATion, self-timer* • *Types of Lenses* *Single (meniscus), ACHromATIc, symmetricAL ANd*	05

	unsymmetrical lenses, telephoto, zoom, macro, supplementary and fish-eye lenses • *Different Models of Camera, their Features and Operating Systems* • *Camera and Size of the Image, Speed and Power of Lens*	
3	**Light and Shade** • *Reflection and refraction of light* • *Dispersion of light through a glass prism, lenses* • *Colour Filters:* *Different kinds, Red, yellow, green, neutral density, half filters, filter factor, colour correction filter* • *Photographic Light Sources:* *Natural source, the Sun, nature and intensity of the sunlight at different times of the day, different weather conditions* • *Artificial light sources:* *Nature, intensity of different types of light sources used in photography namely; (i) Photo flood lamp, (ii) Spot light, (iii) Halogen lamp, Barn doors and snoot, lighting stands* • *Flash unit: Bulb flash and Electronic flash, Main components, electronic flash units, studio flash, slave unit, multiple flash, computer flash, x-contact, exposure table*	**10**
4	**Composition** • *Different kinds of image formations* • *Principal focus and focal length of the lens* • *Depth of field, angle of view and perspective* • *Perspective and composition* • *Rules of composition*	**09**
5	**Contemporary Issues in Photography** • *Present Day Photography* • *Contemporary Photographers and their Contributions* • *Major Issues in Contemporary Photography*	**03**
	Total Hours	**40**

Pedagogy

Teaching will be practical based on the hands on experiences, live and interactive sessions. It will run in the workshop mode. Four Workshops (each of a day) will be organised during the semester

Evaluation

The students will be evaluated continuously in the form of their consistent performance throughout the semester. There is no theoretical evaluation. There is just practical evaluation. The evaluation (practical) is schemed as 40 marks for internal evaluation and 60 marks for external evaluation.

VII. Internal Evaluation

Students' performance in the course will be evaluated on a continuous basis through the following components:

Sl. No.	Component	Number	Marks per incidence	Total Marks
1	Participation	-	05	05
2	Performance/ Activities	-	15	15
3	Project	-	15	15
4	Attendance	-	05	05
			Total	**40**

VIII. External Evaluation

University Practical examination will be for 60 marks and will test the performance, activities and creative presentations of the students with reference to the course selected:

Sl. No.	Component	Number	Marks per incidence	Total Marks
1	Viva / Practical /Demonstration	-	60	60
			Total	**60**

IX. Learning Outcomes

At the end of the course, students will be able to

- Understand, appreciate and demonstrate innovative approach, beauty and acute acumen in the area of photography
- Develop photography skills and become familiar with the functions and importance of the visual elements of nature and artificial objects
- Become independent thinkers who will contribute inventively and critically to culture through the making of art photography
- Have thorough understanding and acute sense of light and shade, composition, and presentation of a piece of an art
- Experiment and Represent the cultivated sense and skills in Photography to the mass
- Prepare an impressive portfolio encompassing holistic approach to art and other the areas of study