Syllabus on Vocational Education and Training Course (VTC)

Paper Title	**: Photography - I**
CODE	**: VTC: 249.1**
Number of Credits	**: 4**
Semester	**: III**
No. of Theory Hours Per Week	**: One (1 hour)**
No. of Practical Hours per Week	**: Three (3 Hours)**

Outline of the Paper:

Type of Course	Units in the VTC	Hours	Credits	Total Marks	Distribution of Marks (as per OC-8)			
					In-Semester		End-Semester	
					Theory	Practical	Theory	Practical
Photography - I	Unit-I Theory (25 Marks)	15			25			
	Unit-II to IV Theory (75 Marks)	90	4	100		15		60

Marks Distribution	**: Internal Assessment: 40** **: External Assessment: 60**
Course Objectives	**1.** To introduce students to the evolution of photography from the conventional to the digital era. **2.** This course aims to provide an understanding of the significance of photography in the world today **3.** To recognise photography as one of the most powerful mediums of communication in the world. **4.** As part of the theory, students will be taught the history of Photography and various gradations of the visual medium. There would be a practical demonstration of old cameras, flashguns, B&W films, colour negatives, slides, various lenses and an understanding of analogue and digital cameras for their physical features. **5.** During practicals, the students will work on old and new photography formats. Also, they would practice and learn to compose a photograph and know the best ways to capture a moment.
Course Learning Outcome	After the completion of the course students are able to: 1. explain the history of photography and its journey of development till the present times 2. describe the functions of the camera, lens, flash gun as an artificial light source, the Role of a photographer, the importance of photography, various fields of photography 3. state the principles of exposure, composition, rule of thirds, ISO, Aperture, shutter speed, light metering 4. assess an ethical understanding of photography and also learn the Do‟s and Don‟ts of photography 5. make use of lens and camera for various purposes, along with suitable gadgets like atripod, lens hood, diffuser, monopod light meter, etc.

Unit I: (Theory) **15 Hours**	• Evolution & History of Photography, • Basics of Conventional & Digital Photography and Exposure, • Principles of Composition, Camera, lens and other gadgets.
UNIT-II: (Practical) **30 Hours**	**Understanding the basics of conventional & digital photography with field exercise** • The practical of the unit will sensitise students to understand conventional photography that began with a "Light tight box" and then passed on to various phases of technical development from 'KODAK BOX'Camera to modern-day DSLR (Digital Single Lens Reflex) camera.
UNIT-III: (Practical) **30 Hours**	**Use the parameters of exposure with field exercises**. • The practical in the unit will cover one of the most fundamental factors of the art of photography called exposure, which is the amount of light per unit area reaching a frame of photographic film or the surface of an electronic image sensor. • The practicals of the unit will consist of the idea of aperture, shutter speed and ISO, which determine the amount of light necessary to fall on the film plane for a perfect image and then record it for the required purpose. • The importance and theoretical understanding of the use of exposure will be discussed in this module, along with practical.
UNIT-IV: (Practical) **30 Hours**	**Understanding camera and lenses and its use** • The use of various types of cameras – from Box to TLR to SLR to DSL – will be demonstrated to the students using their respective film and print formats. • Students will carry out field practicals on DLSR or Point and shoot cameras for their projects and assignments. • Project on the use of composition with images captured by the students followed by their analysis • The practical is aimed at enhancing the skills of the students to use composition for better image capturing. The practical understanding for students of the effective geometric forms that help add compositional value to mood and moments.

Suggested Readings	1. Michael Freeman, The photographer‟s eye Remastered 10thAnniversary: Composition and design for better digital photographs, Atlantic Publishers (Date of Publication 15 June 2017) 2. Michael Freeman, The Photography Bible – All you need to know to take perfect photos, Atlantic Publishers (Date of Publication 8 November, 2018) 3. Michael R. Peres (Editor), The Focal Encyclopaedia of Photography, Focal Press (Date of Publication 12 November, 2015) (Updated edition) 4. Sharma,O.P. Practical Photography, Hind Pocket Books (Reprint 1997)
Requirements	**Classrooms/Lecture Halls** **1.** Computer Labs **2.** Photography Studio 3. Darkroom (Optional for Conventional Photography) 4. Equipment Room 5. Exhibition/Display Area 6. Field Trip Resources **7.** Safety and Compliance **Any other item as required**
Qualified instructors	• Qualified faculty members with expertise in photography and related fields (such as visual arts, design, or communication) to teach both theoretical concepts and practical skills. • Technical support staff to assist with equipment maintenance

Paper Title	**Photography -II**
CODE	**: VTC: 269.1**
Number of Credits	**: 4**
Semester	**: IV**
No. of Theory Hours Per Week	**: One (1 hour)**
No. of Practical Hours per Week	**: Three (3 Hours)**

Outline of the Paper:

Type of Course	Units in the VTC	Hours	Credits	Total Marks	Distribution of Marks (as per OC-8)			
					In-Semester		End-Semester	
					Theory	Practical	Theory	Practical
PhotographyII	Unit-I Theory (25 Marks)	15	4	100	25			
	Unit-II to IV Theory (75 Marks)	90				15		60

Marks Distribution	**: Internal Assessment: 40** **: External Assessment: 60**
Course Objectives	**1.** To introduce the journey of photography from B&W to colour and learn the use of various artistic forms and techniques along with filters. **2.** To make students comprehend photography as a combination of art and science that helps in visual communication. **3.** In theory, the art and science of photography will be discussed from the initial days of photography to the modern era. **4.** Students will be assigned work on various techniques for capturing good photographs during practical projects. **5.** They will be given hands-on training in photo editing to help them better manage their images.
Course Learning Outcome	After completion of the course students are able to : 1. identify of visual artistic communication through the medium of photography. 2. demonstrate the use of filters, black and white and colour as mediums of photography 3. make use of the darkroom for film development and processing 4. use digital lab with having hands-on training in software and editing techniques
Unit I: (Theory) 15 Hours	**Facets of Photography** • Understanding Pictorial Photography, • Photographic art along with Basics of Lighting - Natural & Artificial,

	• Use of filters for Photography, Basics of Black & White Photography & Colour Photography, • Basic ideas in Darkroom, Film Development and Printing, Various kinds of photography Portrait, Nature, Wedding, Portfolio.
UNIT-II: (Practical) **30 Hours**	• Basics of Better Photography (How to work on the field) • Art & Science of Black & White and Colour Photography • The practical of unit II will consist of the basic understating of B&W and colour photography with hands-on training.
UNIT-III: (Practical) **30 Hours**	• Basic of Photo Editing (Image editing training at the digital lab) • Use of darkroom and laboratory in photography (analogue& digital) • The practical of unit III consist of two parts (Practical 3 & 4): hands-on training in photo editing in the digital lab and use of dark and laboratory in photography.
UNIT-IV: (Practical) **30 Hours**	• Projects on various kinds of photography • The practical works in Unit IV for students include various subjective projects of their choice under the guidance of a mentor.
Suggested Readings	1. Bryan Peterson, Learning to see creatively: Design, Colour and Composition in photography, Penguin Random House (Date of Publication 1 October 2003) 2. Maura Mulvihill and National Geographic, National Geographic Dawn to Dark Photographs: The Magic of Light, National Geographic (Year of Publication (Date of Publication 1 October 2013) 3. Michael Freeman, Introduction to Photography, Atlantic Publishers (Date of Publication 1 July 1995) 4. Michael Freeman, The Photographer‟s Eye: Composition and Design for Better Digital Photos, Ilex Press (Date of Publication 1June 2007) 5. Tom Ang, How to photograph absolutely everything, DK (www.dk.com)
Requirements	**1.** Computer Labs **2.** Darkroom Facilities **3.** Photography Studio **4.** Equipment Room **5.** Library/Resource Center **6.** Exhibition Space **7.** Field Trip Resources **Safety and Compliance:**

	• Ensuring all facilities meet safety standards, especially in areas like the darkroom where chemicals are used. Compliance with copyright laws and ethical guidelines related to photography and image use is also essential.
Qualified instructors	• Experienced faculty members with expertise in photography and related fields (visual arts, design, communication) who can teach both theory and practical skills effectively. • Technical support staff to assist with equipment maintenance, troubleshooting, and safety protocols.

Paper Title	**: Photography -III**
CODE	**: VTC:369.1**
Number of Credits	**: 4**
Semester	**:VI**
No. of Theory Hours Per Week	**: One (1 hour)**
No. of Practical Hours per Week	**: Three (3 Hours)**

Outline of the Paper:

Type of Course	Units in the VTC	Hours	Credits	Total Marks	Distribution of Marks (as per OC-8)			
					In-Semester		End-Semester	
					Theory	Practical	Theory	Practical
Photography - III	Unit-I Theory (25 Marks)	15			25			
	Unit-II to IV Theory (75 Marks)	90	4	100		15		60

Marks Distribution	**: Internal Assessment: 40** **: External Assessment: 60**
Course Objectives	**1.** To teach the various genres of professional photography and its use as a career option. In the modern era, photography has evolved as a lucrative profession. **2.** This module will focus on the professional aspects and benefits of choosing photography as a career option. **3.** The unit will highlight various genres of photography to give the students a fair idea of the scopes and facilities of photography and help them choose it as a profession or to become a photographic professional. **4.** The mentor will train students to work on their photography projects. The students will also be guided on the scope of the photography business by field professionals who will highlight the pros and cons of photography as a business.
Course Learning Outcome	At the end of the course students are able to: 1. identify the fields of photography, such as commercial photography, photo documentation, pictorial photography, sports photography, personality and kids‟ photography and wedding photography, among other career options in photography 2. describe the process of management and use of equipment and gadgets 3. choose photography as a career option.
Unit I: (Theory) 15 Hours	**Genres of Photography** • Commercial, Sports Photography and other types. • Care and management of photographic equipment, Photojournalism • Various fields of professional photography- managing photography as a business.

UNIT-II: (Practical) 30 Hours	• Capturing images professionally using the tools and techniques of the medium while working on the medium in various professional fields as assignments & project-based works.
UNIT-III: (Practical) 30 Hours	• Project on commercial photography • Demonstration and physical understanding of equipment care &management
UNIT-IV: (Practical) 30 Hours	• Project on "Photography Business Idea" by the students.
Suggested Readings	1. Kenneth Kobre, Photojournalism: A professionals" approach, Focal Press (6th Edition 11 February 2008) 2. Leah Bendavid-Val, National Geographic – The Photographs (National Geographic Collectors Series), National Geographic (Date of Publication 16 September 2008) 3. Maria Piscopo, The Photographer"s Guide to Marketing and Self –Promotion, Allworth Press (Date of Publication 1 May 1988) 4. Michael Rosenblum, I phone Millionaire: How to create and sell cutting-edge video, Mc Graw Hill (Date of Publication 16 October 2012) 5. 5. Nathaniel Gaskell and Diva Gujral, Photography in India: A visual history from the 1850s to the present, Prestel (Date of Publication 26 February 2019)
Requirements	**1.** Classrooms/Lecture Halls: **2.** Computer Labs: **3.** Photography Studio:**.** **4.** Equipment Room: **5.** Darkroom Facilities (Optional): **6.** Library/Resource Center: **7.** Exhibition and Presentation Space: **8.** Field Trip Resources:Access to transportation for field trips to various professional photography settings (commercial studios, sports events, etc.). This provides real-world experience and enhances understanding of professional workflows. **Any other item as required**
Qualified instructors	• Experienced faculty members with backgrounds in photography, business management, and related fields. • They should be able to guide students through theoretical concepts and practical applications effectively. • Technical support staff for equipment maintenance and troubleshooting is also essential.


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