



Mahatma Gandhi Mission's Dental College & Hospital
Accredited by NAAC with "A" Grade
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MEDIALAB & IIC

Value added Course

Date : Batch 1 05.04.2024 - 06.04.2024

Batch 2 19.04.2024 - 20.04.2024

Venue : Auditorium 4th Floor

Time : 9:00am till 3:00 pm

Registration : Free

Target Audience : Interns and transferred
Interns, Faculty

Basics of Dental Photography Fundamentals and Techniques

Basics of Dental Photography
Demonstration and Hands-on

TOPICS COVERED

TYPES OF CAMERA

DSLR construction

DSLR sizes

What is sensor and sensor size?

Role of sensor size in practice

LENS

Introduction

Types of lens

How to use kit lens (18-55mm)

FLASH

Types

Built - in flash / External flash

Light distribution in portraits photography

Light distribution intraoral photography

BASICS

Exposure

Aperture

DOF Depth Of Field

Shutter Speed

ISO

LENS

Introduction to Macro Lens

FLASH

Ring flash

Dual flash

COMMAND DIAL

PSAM modes

SHADE MATCHING WITH DSLR

MOBILE PHOTOGRAPHY

How to use it.

What are disadvantages and advantages

CREATE A PORTFOLIO THEORY

Portrait setting and views

Intraoral tools setting & view

PHOTO DOCUMENTATION

Protocol while surgery

Prerequisites:

- Basic knowledge of dental anatomy and terminology
- Familiarity with digital cameras and photography concepts (preferred but not mandatory)
- Any DSLR Camera for practice

DETAIL

Module 1:

Fundamentals of Dental Photography

Techniques for proper camera positioning and patient preparation

Hands-on practice: Capturing intraoral and extraoral photographs using basic techniques

Intraoral photography techniques: Occlusal, buccal, and lingual views

Extraoral photography techniques: Frontal, lateral, and profile views

Achieving proper focus and depth of field

Composition and framing considerations

Module 2:

Documentation and Case Presentation

- Importance of proper documentation in dentistry

- Digital storage and organization of dental photographs

- Editing and post-processing techniques for dental images

- Case presentation using dental photographs

- Ethical considerations in dental photography

OF

Fundamentals of Dental Photography

- History of photography

- Why, How & Who of Dental Photography?

- Economics of dental photography

Camera Basics

- Understanding DSLR construction and sizes

- Sensor and sensor size in dental photography

Exposure and Camera Settings

- Understanding exposure, aperture, depth of field, shutter speed, and ISO

Lens Basics

- Introduction to different types of lenses

- Effective use of the kit lens (18-55mm)

Flash Techniques

- Introduction to different types of flashes

- Light distribution in portrait and intraoral photography

*Note: 90-100 mm macro lens is covered in advanced module

COURSE

Post-Production and Image Enhancement

- Advanced post-processing techniques using specialized software

- Retouching and enhancing dental photographs

Portfolio Development

- Portfolio refinement and presentation techniques

Camera Maintenance and Troubleshooting

- In-depth camera maintenance and cleaning procedures

- Troubleshooting common issues and maximizing camera performance

Mobile Photography in Dentistry

- Leveraging mobile photography tools and accessories for professional dental photography

- Optimizing mobile photography workflow
