



Department of Peridontics and Implantology  
Add on course

## **Simplifying LASERS**

**Introduction:** LASERS in dentistry are rapidly evolving and many students lack practical & theoretical knowledge in this field. This Simplifying LASERS course is designed to educate & train dental students and apply the newer laser technology in their practice.

**Target Audience:** BDS Final Year Students

### **Learning Objectives:**

- Understand the fundamentals of laser physics, identify laser delivery systems and emission modes, and learn laser effects on tissue.
- The trainee will attain thorough understanding of the various parameters that affect the treatment outcome, the science of Laser dentistry and application of the knowledge in clinical practice.
- The participant will be able to treat all the surgical as well as nonsurgical cases in dentistry with expertise.

**Course Duration:** 4 Day Course, 6 Lectures, Four modules

### **Module 1 (7 hours):**

- Pre Test
- Lecture on Introduction to Lasers

- Lecture on Types of Laser
- Lecture on Mechanism of Laser Action
- Demonstration of Laser Unit

### **Module 2 (7 hours):**

- Lecture on Evolution & Advancement of Laser in Dentistry
- Demonstration of Simulation Videos
- Demonstration of Lasers on Animal model

### **Module 3 (9 hours):**

- Lecture on Clinical Application of Lasers in Dentistry
- Lecture on Clinical Application of Lasers in Periodontics
- Live Demonstration of Laser Assisted Periodontal Surgeries.
- Frenectomy
- Depigmentation
- Photodynamic Therapy

### **Module 4 (7 hours):**

- Post Test
- Hands on for Students on models
- Question Answer Session

**Tentative Date/Month:** 3rd Week of August.