COURSE NO.	**PCC 2**
COURSE NAME	**ILLUMINATING PRECISION:INTEGRATING LASERS IN MODERN IMPLANTOLOGY**
COURSE MENTOR	Dr. R VENKAT. MDS Professor 
COURSE CO-MENTORS	1. Dr. Divyabharathi Selvam. MDS Assistant Professor Contact No.:8072150014  2. Dr. Noorul Rizwana. MDS Assistant Professor 
COURSE CO-ORDINATORS	Dr. Divyabharathi Selvam Assistant Professor Contact No.:8072150014 
ABOUT THE COURSE	**Background:** The evolution of implantology has been marked by advancements that enhance precision, reduce patient discomfort, and improve long-term outcomes. Among these innovations, laser technology has emerged as a transformative tool in implant dentistry, offering a minimally invasive approach

	with unparalleled accuracy. Lasers have revolutionized various aspects of dental care, and their application in implantology is no exception. The precision, efficiency, and versatility of lasers make them an invaluable asset in procedures ranging from implant placement to peri- implantitis management. **Aim:** This preconference course aims to equip dental professionals with a comprehensive understanding of laser technology and its applications in implantology. By the end of the course, participants will be able to integrate laser techniques into their implant practices to achieve better clinical outcomes. **Objectives:** • To provide an overview of different types of lasers used in implantology and their specific applications. • To provide an overview on photo biomodulation therapy like low level laser therapy and its application in implantology. • To discuss the advantages of low level laser therapy for implant procedures over traditional methods. • To demonstrate the role of lasers in enhancing osseointegration and managing peri-implant diseases. • To offer live and video demonstration in laser techniques for for implant site osteotomy preparation using low-level laser therapy. **Key Concepts and Topics Covered (Lectures):** Introduction to Laser Technology in Implantology Photo biomodulation Therapy in Implantology Enhancing Osseointegration with Lasers Safety Protocols and Best Practices. **Course Content:** Participants will engage in a blend of theoretical sessions and practical demonstrations, focusing on the integration of laser technology into implantology practice. Thereby allowing attendees to witness the advantages of laser use in real-world scenarios. **Video Demonstration Content:** Laser-Assisted Implant Placement - Participants will learn to use lasers for precise bone cutting and contouring during implant site preparation. Practical exercises will involve adjusting laser settings for different bone densities and understanding the thermal effects on bone and surrounding tissues. Participants will experiment with low-level laser therapy (LLLT) protocols Step-by-step live and video guides showing the entire process of laser-assisted implant osteotomy site preparation using low level lasertherapy. Comparative analysis of traditional methods versus laser techniques. **Conclusion:** The hands-on sessions and video demonstrations are designed to provide participants with a practical and immersive experience. By the end of the course, attendees will have the skills and confidence to incorporate laser technology into their implantology practice, ensuring better outcomes for their

	patients.
VENUE	SRM Dental College, Ramapuram
DATE AND TIME	6/02/2025 9:30AM – 12.30PM
COURSE DURATION	Lecture - One Hour 15 minutes Tea Break - 15Minutes Video Demonstration - 30 minutes
COURSE DURATION	2 hours
TARGET AUDIENCE	This course is designed for prosthodontists, periodontists, oral surgeons, and general dentists who are involved in implant dentistry and seek to enhance their practice with cutting-edge laser technology. Both experienced practitioners and those new to laser applications will find valuable insights and skills to advance their clinical practice.
COURSE FEES	1500/-
MAXIMUM NO. OF PARTICIPANTS	12
SPECIAL INSTRUCTIONS IFANY	Soft copies of the course materials will be provided to participants as part of the preconference course on "Lasers in Implantology." This will ensure that attendees have access to all the detailed content, including theoretical knowledge, practical guidelines, and reference materials for future use. ******THIS PRE CONFERENCE COURSE NOT BEEN CONDUCTED ATANY OTHER RECENT STATE, NATIONAL OR INTERNATIONAL SCIENTIFIC MEETINGS****** Participants will be provided with High Tea