

DEPARTMENT OF DIGITAL DENTISTRY

CDE REPORT

TOPIC: DEMONSTRATION AND TRAINING OF 3D PRINTER

A CDE programme was conducted by department of Digital Dentistry on 28th July 2023, as a part of Continuing Dental Education.

The programme was inaugurated by our Beloved Dean, Dr Edwin Devadoss and our respected Principal Dr Girish H C. The programme was also graced by the presence of our HOD, Dr. Gautam Shetty, and all the Heads, Senior Professors and Faculties of respective Departments.

Dr. Gautam Shetty , HOD, Department of Digital Dentistry, introduced the guest speaker for the programme, Mr. Manish B D, Senior Technology Engineer from WIPRO 3D. He has got 8 years of research & development experience in Fused Filament Fabrication, Selective Layer Photo polymerization, and other additive manufacturing technologies.

The topic for the CDE was “Demonstration and Training of 3D Printer”. The CDE programme started with a brief introduction on Additive manufacturing technologies and understanding the digital light process. The speaker also highlighted on photo polymerization of resin for 3D printing and its application in Medical & Dental Industries, Build preparation, printing & post processing. A live demonstration of build preparation using Chitubox slicing software and operating of Wipro d300 DLP Printer was given. The demonstration also explained about the precautions and safety measures of operation, and also showed a live print of scanned model provided from Dentsply with compatible resin available in market. This encouraged the Staffs and Post graduates to understand the use of various digital gadgets available for use in dentistry.

By the end of the session the delegates and students were able to gain in depth knowledge and understanding about various benefits and techniques in operating a 3D printer.

The programme was a huge success with a total of 14 participants assigned from each department. A good feedback was received from the participants end. It was an interactive session and an exuberant exchange of knowledge was shared between the participants and speaker.



3D Printed models