

NITEC IN DENTAL TECHNOLOGY (TRAINEESHIP)

MODULE OBJECTIVES

Module 1: Introduction to Dental Technology

On completion of the module, trainees should be able to provide information on oral anatomy, tooth morphology, and identify types of malocclusion. The trainee should be able to handle impression materials and pour models in accordance to strict infection control measures.

Module 2: Complete Dentures

On completion of the module, trainees should be able to fabricate complete dentures and perform lab remounts and rebase.

Module 3: Partial Dentures & Removable Appliances

On completion of the module, trainees should be able to fabricate partial dentures, repair damaged or fractured dentures and fabricate TMD splints (Temporomandibular Disorder).

Module 4: Metal Restoration

On completion of the module, trainees should be able to provide information on fixed restorations, fabricate provisional crowns, cast post cores, full metal restorations.

Module 5: Metal Ceramic Restoration I

On completion of the module, trainees should be able to identify different types of PFM crown based on margin and occlusal design for single crowns, acid etch bridges and conventional fixed partial dentures. The trainee should be able to identify the correct type of metal alloy to be used for different applications. The wax up and cutback of the wax pattern and the subsequent metal framework preparation for bonding is learnt.

Module 6: Metal Ceramic Restoration II

On completion of the module, trainees should be able to perform porcelain application, finish metal ceramic restoration and soldering.

Module 7: Introduction to CAD CAM & All Ceramic Restoration

On completion of the module, trainees should be able to provide information on CAD CAM and its materials, image acquisition and fabrication methods. The trainee should be able to design a simple crown restoration. The trainee will be familiarized with the different types of all ceramic restorations fabricated by digital and conventional means.

On-the-Job Training I

On completion of the module, trainees should be able to apply and integrate Year 1 skills and knowledge acquired at the workplace and Approved Training Centre, and further develop competencies at the workplace.

On-the-Job Training II

On completion of the module, trainees should be able to apply and integrate Year 2 skills and knowledge acquired at the workplace and Approved Training Centre, and further develop competencies at the workplace.