



Sri Lanka | 2026 - 2027

**INTERNATIONAL INSTITUTE OF
TECHNOLOGY & SCIENCES**

**UNDERGRADUATE
PROSPECTUS
2026**

**INTERNATIONAL
INSTITUTE OF
TECHNOLOGY
& SCIENCES**

CHANGE IT



At IITS, we see challenges as opportunities to make things better

It's hard to imagine a time when the need to make positive change has been greater than now. Through understanding and solving complex challenges, we can create a world where future generations can thrive.

We want you to help us do it.

Whether you want to change your life, your career, your community, or the world, your journey starts at IITS.

You, too, have the opportunity to step up and make a difference.

Are you ready?



WHY CHOOSE US?

- Begin Your Journey 4
- Assessment & Graduation 5
- Your Career Paths 6
- Enrolment Process 7

Dental Surgery Assistant

- Programme At a Glance 10
- CURRICULUM - The 7 Modules 11
- What Sets Our Graduates Apart 14
- Ready to Join Us? 15

Dental Laboratory Technology

- Programme At a Glance 17
- CURRICULUM - The 7 Modules 18
- What Sets Our Graduates Apart 23
- Ready to Join Us? 24





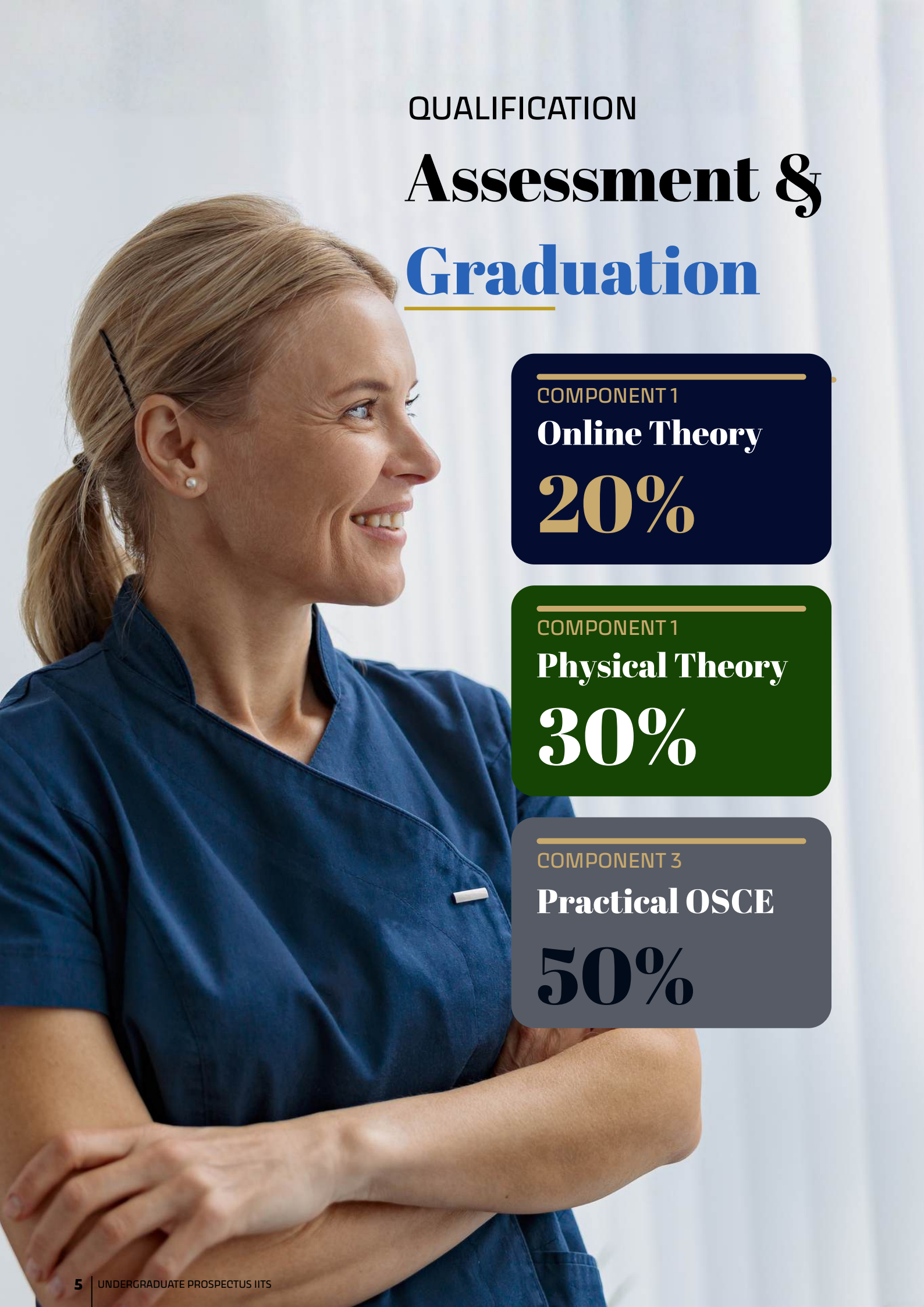
WELCOME

Begin Your Journey

Start your career in modern clinical dentistry with the nationally recognised NVQ Level 4 Dental Surgery Assistant and Dental Technician programmes.

Our curriculum combines essential clinical training with Hands-on experience in digital dentistry, including intraoral scanning, CAD/CAM, 3D CBCT imaging, and practice management systems.

- ✓ Heavy digital dentistry focus: intraoral scanning, CAD/CAM, CBCT
- ✓ Supervised a real-patient clinical residency included
- ✓ Medical emergency and CPR certification built in
- ✓ Digital portfolio of verified clinical cases for your CV
- ✓ Nationally accredited NVQ Level 4 qualification
- ✓ Intensive accelerated format — qualify faster
- ✓ 80% of all hours are face-to-face clinical labs

A woman with blonde hair tied back, wearing blue medical scrubs, is smiling and looking off to the side. She has her arms crossed.

QUALIFICATION

Assessment & Graduation

COMPONENT 1

Online Theory

20%

COMPONENT 1

Physical Theory

30%

COMPONENT 3

Practical OSCE

50%

AFTER QUALIFICATION

Your career

Paths

**YOUR
JOURNEY
STARTS
HERE**





LEARN

Spaces To Inspire

Hive

Learning Hub

A shared space for students to connect, collaborate and access learning support.

MAPEL

Employability learn

Structured learning designed to strengthen academic skills and career readiness.

Learning Suite

Digital Learning

Flexible online learning resources designed to support study anytime, anywhere.



Student Lounge

Support Space

A welcoming space for students to relax, connect with peers and access support when needed.

LAB

Practical Learning

A dedicated Hands-on environment for practical training, skill development and applied learning.

MML-1

Multimedia Learning

A modern digital space for presentations, interactive learning and collaborative academic activities.

Dental Surgery Assistant

- Forward-thinking
- Sustainability First
- Industry-focused
- Globally recognised
- NVQ Level 4 + Diploma Pathway

Blended Learning | Clinical Residency Included



Programme

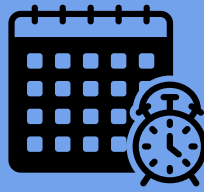
At a Glance

300

Total Hours

A comprehensive curriculum combining theory, software training, and Hands-on clinical practice.

6



Months Duration

Accelerated 26-week intensive format designed to qualify you faster without compromising clinical standards.

7



Specialist Modules

Each module builds on the last, progressing from core anatomy to supervised real-patient clinical residency.

20%

Online Learning

120 hours of flexible online theory, software, and digital modules completed at your own pace.

80%

Face-to-Face

180 hours of Hands-on labs, clinical practice, and supervised patient residency in fully equipped facilities.

30

Clinical Case Logs

A verified digital portfolio of 30 real clinical cases — ready to demonstrate your competence to employers.

CURRICULUM

The 7 Modules

BLENDED FORMAT

120

Online hours

180

Physical Hours

The programme is divided into seven specialist modules, each building on the last. Complete theory and software training online, while all and patient-facing work is completed in our clinical facilities.

Dental Anatomy, Pathology & Practice Software

Head and jaw anatomy, including TMJ mechanics, FDI tooth numbering, dental pathology recognition, cloud-based Practice Management Software, ethics, data protection (GDPR), and live appointment booking drills.

Clinical Infection Control & High-Tech Hygiene

Cements, alginates, composite resins and zirconia/disilicate CAD/CAM blocks. STL/PLY/OBJ file handling, 3D printing, slicing software, post-print workflow: IPA wash tanks, UV cure chambers.

Chairside Assisting & Digital Intraoral Scanning

Four-handed ergonomics, High-Volume Evacuation, rubber dam isolation, treatment flow for restorations and endodontics. Full-arch intraoral optical scanning on phantom manikins, scan path tracking and lab file submission.

Radiography, 3D CBCT Staging & Safety Laws

Radiation physics, ALARA principles, periapical, bitewing and panoramic projection techniques, digital DICOM file processing, Rinn XCP alignment positioning, and 3D Cone Beam CT dataset staging.

Medical Emergency Management & CPR Protocols

Pathophysiology of dental emergencies, emergency drug kit contents, full Hands-on CPR certification, medical oxygen delivery system configuration, AED setup and operation.

Supervised Clinical Residency & Digital Portfolio

Minimum 45 verified Hands-on clinical hours in a real dental practice. 10 restorative cases, 5 surgical extractions, 5 endodontic treatments, 5 full-arch scans executed independently, and a compiled Digital Portfolio of competence.



General Dental Practice

The most common entry-level DSA role across the country.



Specialist Clinic DSA

Orthodontics, oral surgery, and endodontic specialist settings.



Practice Management

Administrative and managerial roles within dental practices.



Digital Dental Lab

Technician support in advanced CAD/CAM environments.



Radiography Technician

With further training, a natural progression from Module 5.



Further Progression

Dental hygiene, dental therapy, or nursing pathways.



WHAT SETS OUR GRADUATES APART

Real digital dentistry skills — not just theory. Intraoral scanning, CAD/CAM, and CBCT.

Trained to NVQ Level 4 standards — the benchmark recognised by dental governing bodies.

Experience across restorative, surgical, and endodontic workflows during residency.

Internationally recognised qualification applicable across many countries.

REQUIREMENTS & CONTACT

Ready to Join Us?

Entry Requirements

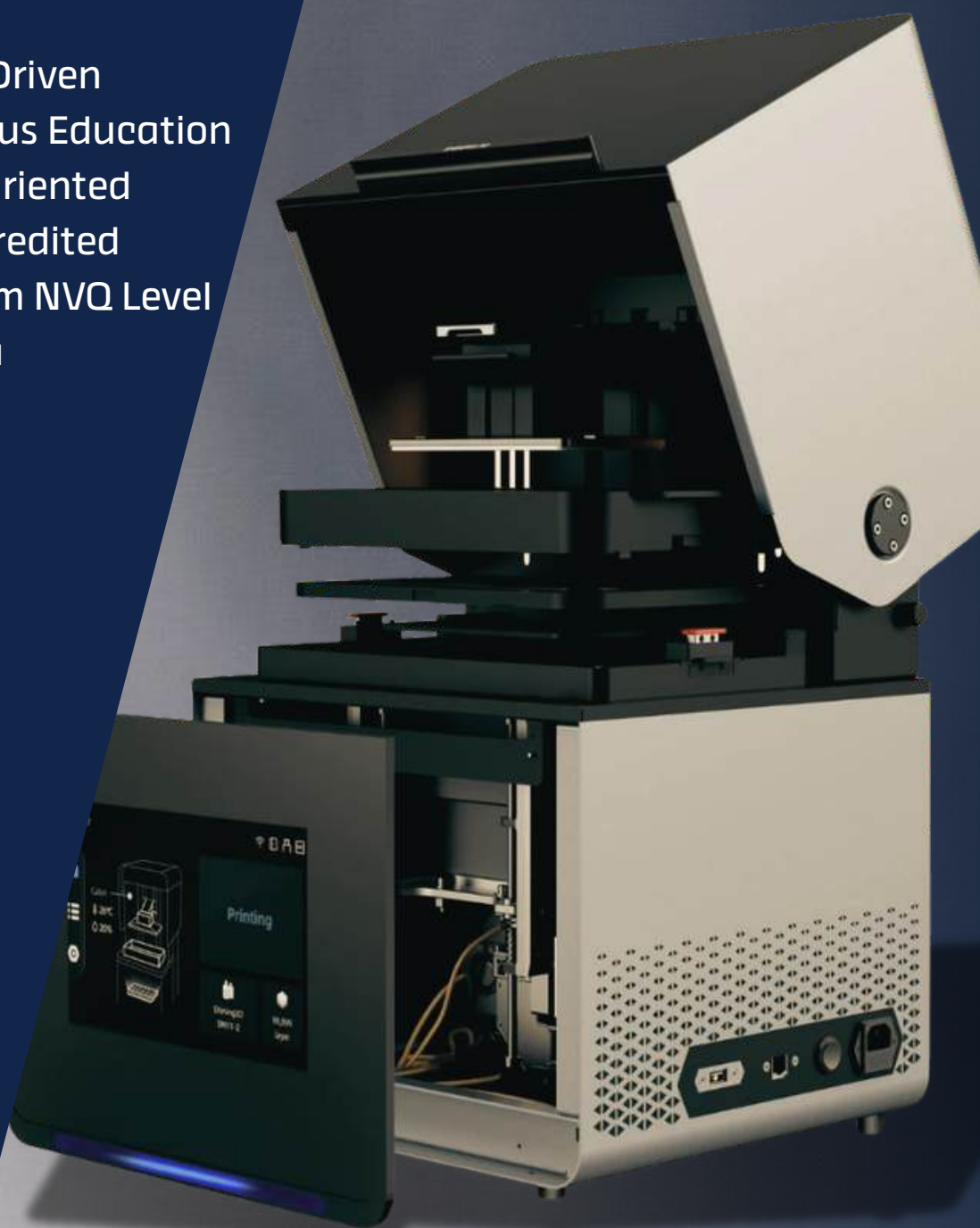
- Minimum age: 16 years at time of enrolment
- OL Level C/4
- Learn from scratch
- Hepatitis B vaccination recommended

Course Snapshot

- | | |
|-----------------|---------------------------|
| — Qualification | NVQ Level 4 — DSA |
| — Duration | 6 Months (26 Weeks) |
| — Total Hours | 300 Hours |
| — Delivery | 20% Online + 80% Physical |

Dental Laboratory Technology

- Innovation-Driven
- Eco-Conscious Education
- Workforce-Oriented
- Globally Accredited
- Progress from NVQ Level 4 to Diploma



Programme

At a Glance

300

Total Hours

A comprehensive curriculum combining cloud-based theory, CAD software training, and structured physical masterclasses.

8



Months Duration

An intensive institutional format designed to build production-ready technicians without compromising technical depth.

7



Specialist Modules

Each module builds on the last — from core anatomy through ceramics, removable prosthodontics, to full-arch rehabilitation.

20%

Online Learning

200 hours of flexible online theory, digital lab simulation, and guided CAD software coursework, paced across the 8 months.

80%

Face-to-Face

180 hours of Hands-on labs, clinical practice, and supervised patient residency in fully equipped facilities.

5

Clinical Case Logs

A final, mandatory set of jury-validated cases compiled in Month 8 to demonstrate production-ready competence.

CURRICULUM

The 9 Modules

BLENDED FORMAT

150 Online hours

200 Physical Hours

The programme is divided into nine specialist modules, each building on the last. Complete theory and software training online, while all hands-on and patient-facing work is completed in our clinical facilities.

Tooth Morphology & Biological Occlusion Engineering

Mapping clinical tooth boundaries into parametric virtual databases: FDI/Universal numbering, occlusal landmarks, and Bonwill triangle articulation.

Crown & Bridge Design Basics (Monolithic Frameworks)

Margin configuration, chamfer vs. shoulder preparation, cement gap mathematics, and connector load calculations — culminating in single-crown and 3-unit bridge design in Exocad DentalCAD.

High-Tier Glass Ceramics Lab (Lithium Disilicate / e.max)

Crystal structure and translucency science (HT/MT/LT/MO), minimal-thickness mapping, and digital cut-back design for ultra-thin veneers, inlays, and onlays.

Advanced Zirconia Lab Workflows

Monoclinic, tetragonal, and cubic crystal transitions, volumetric shrink ratios, and multi-layered shade-gradient blending across automated zirconia milling paths.

Removable Prosthodontics CAD (Full & Partial Dentures)

Edentulous arch landmarking, balanced and lingualized occlusion, and two-piece digital denture fabrication — plus retention clasp design for cast-partial frameworks.

Advanced Implant Prosthodontics & Hybrid Connections

Multi-unit platforms, custom Ti-Base components, screw- vs. cement-retained stress vectors, and emergence-profile design in the Exocad Implant Module.



CAD/CAM Design Technician

Full-time crown, bridge, and framework design roles in digital laboratories.



Zirconia & Ceramics Specialist

Ceramics production: milling, sintering & shading



Removable Prosthodontics Technician

Digital full and partial denture design and manufacturing.



Implant & Full-Arch Technician

Hybrid and All-on-X restoration design for implant-supported cases.



Laboratory Production Progression

Route toward production management as case volume and experience grow.



Further Progression

NVQ Level 4/5 boards or advanced Exocad/Shining 3D certifications.



WHAT SETS OUR GRADUATES APART

Full production range, not a single niche — fixed ceramics, removable prosthodontics, implant and full-arch design.

Trained on industry-standard tools — Exocad DentalCAD and the Shining 3D scanning system.

Job-ready from Month 9 — a direct, paid placement pathway rather than a gap between graduation and employment.

Materials science depth — real understanding of zirconia crystal transitions and lithium disilicate behaviour.

Ready to Join Us?

Entry Requirements

- Minimum age: 16 years at time of enrolment
- OL Level C/4
- Learn from scratch
- Hepatitis B vaccination recommended

Course Snapshot

- | | |
|-----------------|---------------------------|
| — Qualification | NVQ Level 4 |
| — Duration | 8 Months |
| — Total Hours | 350 Hours |
| — Delivery | 20% Online + 80% Physical |

HOW TO APPLY

Enrolment Process

1

Apply
[IITS.edu.lk](https://iits.edu.lk)

2

**Your application
is assessed**

3

Accept your offer
[IITS.edu.lk](https://iits.edu.lk)

Step 1 Application

Submit your application through our admissions portal.

- Attached copy of your NIC/Passport information page
- Attached copy of all academic transcripts or work experience.

Step 2

Application assessment and outcome

Following application submission, you may meet our admissions team in person or online. You'll receive a letter of offer once admission fees have been paid.

Letter of offer

If you meet all the conditions of entry, a Full Offer will be issued. The Offer Letter will confirm the details of the offer being made, namely: course title and start date, length of course, fee information, and any conditions that may apply. The Offer Letter acceptances must be made by the offer lapse date stated in your Offer Letter.

Step 3

Accepting the offer

To secure a place at IITS Academy, you must accept the Offer Letter before the deadline. Reach out to Admissions on IITS Academy for assistance.



+94 77 841 2027



info@iits.academy

Step 4

Collect the learning materials

Collect your complete learning package, featuring professionally prepared course materials, study guides, and essential resources.

Designed by experienced educators, these materials will support your theoretical knowledge, practical skills, and overall success throughout your training journey.

WHAT'S NEXT?

Orientation week

You're encouraged to participate in the Orientation Program, which is specifically designed to help you adjust to studying life here at IITS Academy. You should arrive at the IITS Academy in time for this program, which starts one week before the new semester commences.

For more information, visit **iits.academy**

Tuition fees

Tuition fees vary depending on the course and the year of commencement. All tuition fees and course durations specified in this guide are in Sri Lankan Rupees.



Sri Lanka | 2026 - 2027

INTERNATIONAL INSTITUTE OF TECHNOLOGY & SCIENCES

CONTACT US

Business hours

Monday to Saturday 8.30 am - 6.00 pm

Counselling hours for course enquiries

Monday to Saturday 8.30 am - 6.00 pm

Enquiries

T +94 77 841 2027

F +94 77 841 2027

E info@iits.academy

Address

IITS Academy

280 1/1 Pitakotte - Talawatugoda Rd

Colombo 10100

Sri Lanka

iits.academy



IITS - International Institute

This information in this brochure was correct at the time of publication (July 2026). IITS Academy Sri Lanka reserves the right to alter this information should the need arise.

Produced by Marketing, IITS Academy Sri Lanka