



CREATING SKILLED ALLIED HEALTHCARE PROFESSIONALS



ASCENT

Alliance for Skill & Capacity Enhancement with Technology

A collaboration to drive excellence in quality vocational training and enhance employability in India



Tech Mahindra in collaboration with GIZ under the ASCENT Project (Alliance for Skill and Capacity Enhancement with Technology) supports quality vocational training amongst youth in India. The project ASCENT focus on enhancing the employability of India's youth in the allied sectors of Healthcare, Logistics and Digital Technologies and contributing to a Sustainable Vocational Education Training (VET) ecosystem in India.



Diploma in Medical Laboratory Technology

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

The Medical Lab Technician (MLT) course includes elements of blood bank management, materials management, supply chain management as well as lab information system management. Additionally, students from this course are trained to clean and maintain lab equipment, manage biomedical waste and adhere to quality control standards as per the NABL regulations.

The course curriculum covers the following topics:

- ▶ Introduction to Patient Care, Lab Technology & Equipment
- ▶ Basic Pathology & Diagnostic Techniques
- ▶ Basic & Clinical Biochemistry
- ▶ Basic & Systemic Medical Microbiology
- ▶ General Pharmacology
- ▶ Basic Haematology, Immunology, Parasitology and Histology
- ▶ Blood Banking
- ▶ Storage & Transportation of Samples
- ▶ Fine Needle Aspiration Technique
- ▶ Lab Information Management System
- ▶ Preparation and Documentation of Medical Tests & Results
- ▶ Biomedical Waste Management
- ▶ Infection Control
- ▶ Materials Management & Supply Chain Management
- ▶ Maintenance and Cleaning of Lab Equipment
- ▶ NABL Training & Quality Control

COURSE OVERVIEW

- ▶ Eligibility - Class 12 (Science)
- ▶ Minimum Age - 17 Years
- ▶ Duration - 2 Years

CERTIFICATION

Diploma jointly issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ Maharashtra State Board of Skill Development (MSBSD)
- ▶ On-the-job Training Partner

FACILITIES

- ▶ Basic skills lab with phlebotomy dummy, sterilisation station & an autoclave
- ▶ Advanced medical lab equipped with sample collection stations, microscopes, centrifuges etc

TRAINING & PLACEMENT

- ▶ Mandatory 6 months long supervised on-the-job training



Diploma in Dialysis Technician

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

The Dialysis Technician course trains students to become skilled dialysis technicians, capable of handling haemodialysis and peritoneal dialysis on both Fresenius and B Braun dialysis machines. The course also includes training on the preparation of dialysis fluids, as well as the washing and storage of dialyzers for reuse. Our training includes running safety checks for the machine settings, particularly the pressures, conductivity, and temperature.

The course curriculum covers the following topics:

- ▶ Basic Anatomy, Physiology and Pathology
- ▶ Basic & Clinical Biochemistry
- ▶ Basic & Systemic Microbiology
- ▶ General Pharmacology
- ▶ Renal Anatomy & Physiology
- ▶ Common Kidney Disorders, Diagnosis of Kidney Disease
- ▶ Management of Kidney Disease
- ▶ Predialysis Preparation and Assessment
- ▶ Peritoneal Dialysis & Haemodialysis
- ▶ Vascular Access
- ▶ Renal Nutrition
- ▶ Heparin Therapy
- ▶ Complications Arising from Haemodialysis
- ▶ Haemodialysis Prescriptions
- ▶ Water Treatment Methods

and more...

COURSE OVERVIEW

- ▶ Eligibility - Class 12 (Science)
- ▶ Minimum Age - 17 Years
- ▶ Duration - 2 Years

CERTIFICATION

Diploma jointly issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ Maharashtra State Board of Skill Development (MSBSD)
- ▶ On-the-job Training Partner

FACILITIES

- ▶ Basic skills lab with an autoclave & sterilisation station
- ▶ Fully functional dialysis lab with Fresenius & B Braun Dialysis machines

TRAINING & PLACEMENT

- ▶ Mandatory 6 months long supervised on-the-job training



Post-Graduate Certificate in Hospital Front Office & Billing Executive

☎ 1800 270 2022 (Toll Free) |  +91 93118 33590 |  www.smart-academy.in



COURSE DETAILS

The Post-Graduate Certificate Course in Hospital Front Office & Billing Executive course has been designed to cater for the growing need for trained billing executives in healthcare facilities. They are trained to recognise medical terminologies, abbreviations and diagnoses. They are also trained to work on hospital information systems for real time online billing and hospital operation work.

The course curriculum covers the following topics:

- ▶ Organisation of a Hospital and its Departments
- ▶ Medical Terminologies & Abbreviations
- ▶ Basic Human Anatomy & Physiology
- ▶ Procedures Carried out by Different Departments
- ▶ Hands-on Training on HIS
- ▶ Handling of Cash Paying Patients
- ▶ Handling of Medical Insurance Holders
- ▶ Handling of Patients referred by CGHS & ECHS Clinics
- ▶ Process Flow of a Patient
- ▶ OPD Billing Flow
- ▶ IPD Billing Flow
- ▶ Handling Stress & Difficult Situations

COURSE OVERVIEW

- ▶ Eligibility - Pursuing last year of Graduation
- ▶ Minimum Age - 18 Years
- ▶ Duration - 6 Months

CERTIFICATION

Certificate jointly issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ On-the-job Training Partner

FACILITIES

- ▶ Fully equipped computer lab with ICD-10 coding software
- ▶ Language lab to facilitate better accent comprehension for medical transcription

TRAINING & PLACEMENT

- ▶ Mandatory 2 months long supervised on-the-job training



Certificate in General Duty Assistant

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

The General Duty Assistant (GDA) course trains students to work as nursing aides in hospitals and home care scenarios and they can also provide basic nursing care. They are taught to support nurses and also directly handle ill patients who are unable to look after themselves in both hospital and home care settings.

The course curriculum covers the following topics:

- ▶ Basic Human Anatomy & Physiology
- ▶ General Health & Hygiene
- ▶ Understanding Hospitals & the Healthcare System
- ▶ Special Skin Care for Radiotherapy & Pressure Sores
- ▶ Caring for the Visually Impaired
- ▶ Role of a Patient Care Assistant
- ▶ Basic Nursing Skills
- ▶ Administering Drugs as per Prescriptions
- ▶ Disposal of Medical Waste
- ▶ Daily Care of a Patient
- ▶ Understanding Body Mechanics
- ▶ Patient Handling, Lifting & Transferring
- ▶ Fall Prevention Care & Restraints
- ▶ Emergency First Aid & CPR

COURSE OVERVIEW

- ▶ Eligibility - Class 8
- ▶ Minimum Age - 18 Years
- ▶ Duration - 6 Months

CERTIFICATION

Certificate jointly issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ Healthcare Sector Skill Council (HSSC)
- ▶ On-the-job Training Partner

FACILITIES

- ▶ Basic skills lab with dummies for injections, CPR, tube feeding, catheter sterilisation station & an autoclave
- ▶ IT lab, English training and soft skill training

TRAINING & PLACEMENT

- ▶ Mandatory 3 months long supervised on-the-job training



Certificate in Nursing Care

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

The Nursing Care courses in Pune and Mumbai have been designed to cater to the growing need for nurses at community level and in nursing homes. The students are trained to provide healthcare facilities at community level. They are further trained to provide preventive, promotive, restorative and emergency health care to individuals and community as required. They can render skilled mother and child care services at community or hospital.

The course curriculum covers the following topics:

- ▶ Basic Human Anatomy & Physiology
 - ▶ First Aid & its Applications
 - ▶ Wound Management
 - ▶ Dressings & Bandages
 - ▶ Antenatal Care
 - ▶ Assisting in Normal Delivery
 - ▶ Basic Nursing Skills
 - ▶ Assisting in Cesarean Section
 - ▶ Postnatal Care
 - ▶ Common Childhood Disorders
 - ▶ Breastfeeding Counselling
 - ▶ Assist for Immunization of Babies
 - ▶ Understanding Hospitals & the Healthcare System
 - ▶ Administering Drugs as per Prescriptions
 - ▶ Patient Care
- ...and more

COURSE OVERVIEW

- ▶ Eligibility - Class 10
- ▶ Minimum Age - 18 Years
- ▶ Duration - 12 Months

CERTIFICATION

Certificate jointly issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ Maharashtra State Board of Skill Development (MSBSD)

FACILITIES

- ▶ Basic skills lab with dummies for First Aid, Wound Management, Maternal care, Child care and Basic nursing procedures
- ▶ IT lab, English training and soft skill training

TRAINING & PLACEMENT

- ▶ Mandatory 6 months long supervised on-the-job training



Certificate in General Nursing & Midwifery Assistant

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

The General Nursing and Midwifery course will train students to take patient history, following medical documentation protocols, drug administration, first aid, preparing and assisting doctors or senior nurses in medical procedures.

The course curriculum covers the following topics:

- ▶ Human Anatomy and Physiology
- ▶ First Aid & its Applications
- ▶ Medical Instruments Identification and Handling
- ▶ Common Diseases and their Management
- ▶ Drug Administration
- ▶ Assisting in Normal Delivery
- ▶ Vaccination
- ▶ Medical Documentation
- ▶ Sterilization
- ▶ Basic Patient Care
- ▶ Understanding Various Specialities and Hospital Departments
- ▶ Fumigation
- ▶ Admission and Discharge Process

COURSE OVERVIEW

- ▶ Eligibility - Class XII (Science)
- ▶ Minimum Age - 18 Years
- ▶ Duration - 12 Months

CERTIFICATION

Certificate jointly issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ Maharashtra State Board of Skill Development (MSBSD)
- ▶ On-the-job Training Partner

FACILITIES

- ▶ Basic skills lab with dummies for First Aid, Wound Management, Maternal care, Child care and Basic nursing procedures
- ▶ IT lab, English training and soft skill training

TRAINING & PLACEMENT

- ▶ Mandatory 6 months long supervised on-the-job training



Certificate in I.C.U Technician

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

This I.C.U technician course aims in skilling and upskilling youth to handle patients whose conditions are critical. Also, they are trained to assist in ICU procedures, maintenance of the ICU equipment, and pre and post-operative care and management of unconscious and terminally ill patients.

The course curriculum covers the following topics:

- ▶ Physical set up of ICU and ICCU
- ▶ Anatomy and Physiology
- ▶ Risk Factor of Critically Ill Patients
- ▶ Knowledge about Sepsis and Cross Infection
- ▶ ICU Record and Report Keeping
- ▶ Ambulatory ECG Monitoring
- ▶ Hemodynamic Patient Monitoring
- ▶ Application of Ventilator
- ▶ Immobilization and Ambulation of the Patient
- ▶ Preparation of Blood Smears
- ▶ Pre and Post-operative Ward Care
- ▶ Sterilization and Surgical Drapes
- ▶ Suture Materials and Surgical Needs
- ▶ Preparation for Traction, Tourniquets, and Prosthesis
- ▶ Preparation of Oxygen Therapy

...and more

COURSE OVERVIEW

- ▶ Eligibility* - Class 12 (Science)
- ▶ Minimum Age - 18 Years
- ▶ Duration - 6 Months

CERTIFICATION

Diploma jointly issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ Maharashtra State Board of Skill Development (MSBSD)
- ▶ On-the-job Training Partner

FACILITIES

- ▶ Fully equipped lab with latest software
- ▶ Smart classrooms

TRAINING & PLACEMENT

- ▶ Mandatory 2 months long supervised on-the-job training

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Certificate in Phlebotomy Technician

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

The Phlebotomy Technician course is designed to prepare health care professionals to draw quality blood samples from patients and prepare specimens for medical testing. A Phlebotomy Technician is an expert in the techniques involved in minimising pain and discomfort during the procedure of extracting blood.

The course curriculum covers the following topics:

- ▶ Introduction to Healthcare in India
- ▶ Basic Structure and Functioning of the Human Body
- ▶ Medical Terminology and Abbreviations
- ▶ Introduction to Medical Laboratory Technology
- ▶ Introduction to Microbiology
- ▶ Introduction to Biochemistry
- ▶ Collection of Blood for Various Tests
- ▶ Collection of other Samples for Analysis
- ▶ Laboratory Safety and Standard Precautions
- ▶ Preparation of Blood Smears
- ▶ Storage of Different Samples
- ▶ Sample Transportation
- ▶ Laboratory Information System
- ▶ Infection Control
- ▶ Biomedical Waste Disposal

COURSE OVERVIEW

- ▶ Eligibility* - Class 12 (Science)
- ▶ Minimum Age - 18 Years
- ▶ Duration - 6 Months

CERTIFICATION

Certificate jointly issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ Healthcare Sector Skill Council (HSSC)
- ▶ On-the-job Training Partner

FACILITIES

- ▶ Basic skills lab with mannequins for injections, CPR, tube feeding, catheter, sterilisation station & an autoclave
- ▶ Fully equipped Pathology Lab

TRAINING & PLACEMENT

- ▶ Mandatory 2 months long supervised on-the-job training



Certificate in Medical Sales Representative

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

The Medical Sales Representative course will train aspirants to implement different strategies to build awareness of medical supplies and employer companies. As a part of the course, students will also be trained to interpret current physician referral patterns, trends, and financial margins.

The course curriculum covers the following topics:

- ▶ Introduction to Indian Pharmaceutical & Healthcare Industry
- ▶ Pharmaceutical Marketing
- ▶ Understand the role of MSR and Regulation of MSR in the Pharma Industry
- ▶ Introduction to Pre-sales Activities
- ▶ Role of MSR in the Healthcare Service Sector
- ▶ Market Research and Analysis and Retail Hemist Prescription Audit
- ▶ Pharma & Healthcare Service Sales
- ▶ Major Stakeholders and Sale & Distribution System in Pharma & Biopharma
- ▶ Drug Safety Reporting - Introduction to Pharmacovigilance
- ▶ Anatomy & Physiology
- ▶ Organizing Medical Events and Conference
- ▶ Fundamentals of Pharmacology
- ▶ Day to day Activities and Job Roles
- ▶ Disease Pathology & Management

COURSE OVERVIEW

- ▶ Eligibility - Class 12 (Science)/D Pharma
- ▶ Minimum Age - 18 Years
- ▶ Duration - 4 Months
(Including 1 month On-the-job training)

CERTIFICATION

Certificate issued by

- ▶ Tech Mahindra SMART Academy for Healthcare

FACILITIES

- ▶ Smart Classrooms and IT Lab

TRAINING & PLACEMENT

- ▶ Mandatory 1 month On-the-job training/internship
- ▶ Placement Assistance



Certificate in Hospital Hygiene Assistant

☎ 1800 270 2022 (Toll Free) | 📞 +91 93118 33590 | 🌐 www.smart-academy.in



COURSE DETAILS

The Hospital Hygiene Assistant Course has been designed to train youth for hospital hygiene, sanitation and infection control practices. This training will help the student to minimize the hospital related infection, and support or aide to nursing and paramedical staff working in the Hospitals.

The course curriculum covers the following topics:

- ▶ Biomedical Waste Management
- ▶ Personal Hygiene
- ▶ Cleaning Procedures & Protocols for Hospital Set Up
- ▶ Hospital Housekeeping Equipment Handling
- ▶ Disinfectants and their Correct Usage & Tools for Cleaning
- ▶ Decantation of the Medical Device like Urine Bag, Bedpan, Diapers etc.
- ▶ Body Mechanics related to Patient Shifting with Stretcher, Wheelchair & Movable Beds
- ▶ Cleanliness and Basic Principles of Sanitation
- ▶ Patient Safety
- ▶ Hospital Infection Control Practices
- ▶ Setting up the Attendants Trolley with Appropriate Linen and Supplies

COURSE OVERVIEW

- ▶ Eligibility - Class 8
- ▶ Minimum Age - 18 Years
- ▶ Duration - 15 Days

CERTIFICATION

Certificate issued by

- ▶ Tech Mahindra SMART Academy for Healthcare
- ▶ Healthcare Sector Skill Council (HSSC)

TRAINING & PLACEMENT

- ▶ 15 days Training includes online classes & on the job training

INFRASTRUCTURE & RESOURCES



DIALYSIS LAB



X-RAY LAB



BASIC SKILLS LAB



OPERATION THEATRE LAB



ADVANCED LIFE SUPPORT
AMBULANCE



COMPUTER LAB



LIBRARY



MODERN CLASSROOMS

SALIENT FEATURES

- ▶ World-class Infrastructure
- ▶ Personalised Classroom Training
- ▶ Exposure to Community Health Projects
- ▶ On-the-job Training & Placement Assistance
- ▶ Industry-accepted Curriculum
- ▶ Expert Faculty
- ▶ Best-in-class Study Material
- ▶ English Speaking, Personality Development, Soft Skills and IT Training

TRAINING AFFILIATES & PARTNERS



Jamia Hamdard University



Indian Medical Association



Healthcare Sector Skill Council



Maharashtra State Board of Skill Development



Life Sciences Sector Skill Development Council

About Tech Mahindra Foundation

Tech Mahindra Foundation (TMF) is the corporate social responsibility arm of Tech Mahindra Limited, a Mahindra Group Company. Since 2006, the Foundation has been working tirelessly in the areas of education, employability, and disability, with a keen focus on corporate volunteering.

The Foundation works with the mandate that 50% & 10% of its beneficiaries would respectively be women and persons with disabilities. Since 2012-2013, the organization has impacted 393,688¹ direct beneficiaries across all programs. Additionally, the lives of 4⁺ million indirect beneficiaries have been impacted through the initiatives across 17 states in India.

¹As on 31 March 2023

Our Focus Areas

EMPLOYABILITY

SMART (Skills-for-Market Training) is the Foundation's flagship employability program to empower youth from socio-economically backward urban communities. It empowers youth from under-served urban communities with requisite employability skills through structured training and helps them get dignified jobs. The program includes imparting Foundation Skills i.e. Spoken English, Basic IT and Workplace Readiness besides trade-specific domain training. The Foundation has been implementing the **SMART** program by establishing a network of SMART Academies and Centres - run both directly and through other partner implementing agencies.

EDUCATION

The Foundation is dedicated to enhancing school governance, expanding children's learning opportunities, increasing parental involvement in school education and enabling continuous professional development of schools' stakeholders.. This is executed through our Education programs- **ARISE**, **Shikshaantar** and **Mobile Science Lab**. The Foundation works in government schools through its ARISE (All-Round Improvement in School Education) focuses on providing holistic development for children in government schools. Shikshaantar focuses on teacher empowerment and capacity enhancement through contemporary subject matter and pedagogical practice through directly run In-Service Teacher Education Institute (ITEI) and partner projects. The Mobile Science Labs were launched to enhance the educational experience through a bus equipped with hands-on activities of EVS (Science) that visits government schools and facilitates learning of students from Classes 3 to 5.

DISABILITY

Enabling true ability in persons with disability, Tech Mahindra Foundation strives to build an inclusive society. There is a keen emphasis on facilitating equal learning opportunities for children and youth with disabilities to lead dignified lives. This is done through **ARISE+** (All Round Improvement in School Education for Children with Disabilities) and **SMART+** (Skills-for-Market Training for Persons with Disabilities). ARISE+ is a program that encourages children with disabilities to become a part of mainstream education. The SMART+ program focuses on providing employable market-related entrepreneurial skills and opportunities to youth with disabilities.

VOLUNTEERING

Corporate Volunteering is at the heart of Tech Mahindra's ethos where Individual Social Responsibilities (ISR) is a way of life. TechM associates volunteer and contribute to driving positive social change while simultaneously enhancing their capacities for empathy and compassion. This is how we *#Rise* and find our joy in giving back to society!

NEW DELHI

- 📍 Harijan Sevak Sangh, Gandhi Ashram, Kingsway Camp
New Delhi - 110009

MOHALI

- 📍 Quest Group of institutions, Landran-Sirhind Highway
Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307

MUMBAI

- 📍 Auxilium Convent School, 6 Pali Hill, Rajendra Chowk
Bandra (W), Mumbai - 400050 Maharashtra

PUNE

- 📍 Eusebia Welfare Centre, Sr No 93/92/2+3, Mundhwa
Road Mundhwa, Pune - 411036 Maharashtra

NAVI MUMBAI

- 📍 Prem Dan Social Service Center, Plot No. 5 Sector-5,
Kharghar, Navi Mumbai - 410210 Maharashtra

✉ academy@techmahindrafoundation.org [🌐 \[academy.in\]\(http://academy.in\)](http://www.smart-</p></div><div data-bbox=)

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FOUNDATION

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Kingsway Camp, New Delhi - 110009

- 📍 Registered Office: Oberoi Gardens Estate, Chandivali
Off Saki Vihar Road, Andheri (East), Mumbai - 400072

🌐 www.techmahindrafoundation.org

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