

# Healthcare

## B. Voc. in Dialysis Technology

### Course Introduction

The three-year graduate program provide students with the opportunity to study the Principles of Dialysis, basic medical science of the kidney, fluid and electrolyte balance, hematologic aspects, infectious diseases, dialysis systems and equipment, vascular access to circulation, blood chemistry, complications of renal failure, psycho-social aspects and an overview of peritoneal dialysis and renal transplantation.

In short, students are trained to operate Dialysis Equipment, inspect and maintain it. Other than technical training, subjects like Human Anatomy and Physiology, Renal Diseases, other relevant diseases, Blood Chemistry etc. are also covered in this course

### Eligibility for Admission

The eligibility for admission to B. Voc. in Dialysis Technology shall be 10+2 or equivalent, in science stream.

### Career Prospects/Job Roles

A career in research, following the completion of a higher degree is an option chosen by some graduates. Graduates are also eligible for employment overseas where their qualifications, training and experience are highly regarded.

*Graduates get employed in hospitals and private practices as Dialysis Technicians..*

### Semester-wise Listing of Courses

SEMESTER I		
Subject Code	Subject Name	Credits
GE 1.1	Functional English	4
GE 1.2	Communication Skills - I	4
GE 1.3	Computing Skills - I	4
DT 1	Introduction to Human Anatomy	2
DT 2	Introduction to Human Physiology	2
DT 3	Introduction to Kidney Disease and Renal Replacement therapy	2
DTP 1	Vocational Practical	12

SEMESTER II		
Subject Code	Subject Name	Credits
GE 2.1	Basics of Economics and Markets	4
GE 2.2	Environment Sciences	4
GE 2.3	Ethics and Governance	4
DT 4	Pathology and Microbiology	2
DT 5	Biochemistry and Basic Nutrition.	2
DT 6	Principle and types of Dialysis	2
DTP 2	Vocational Practical	12

SEMESTER III		
Subject Code	Subject Name	Credits
GE 3.1	Communication Skills - II	4
GE 3.2	Financial Literacy	4
GE 3.3	Basics of Legal and HR Policies	4
DT 7	Pharmacology Related to Dialysis Technology	2
DT 8	Concept of Kidney Disease	2
DT 9.1	Applied Dialysis Technology - I	2
DTP 3	Vocational Practical	12

SEMESTER IV		
Subject Code	Subject Name	Credits
GE 4.1	Computing Skills - II	2
GE 4.2	Basics of Accounting	4
GE 4.3	Design Thinking	4
GE 4.4	Organizational Behaviour	2
DT 10	Equipment in Dialysis.	2
DT 11	Patient Care	2
DT 9.2	Applied Dialysis Technology - II	2
DTP 4	Vocational Practical	12

SEMESTER V		
Subject Code	Subject Name	Credits
GE 5.1	Digital Literacy	4
GE 5.2	Health and Wellness	4
GE 5.3	Personal Grooming	4
DT 9.3	Applied Dialysis Technology - III	2
DT 12.1	Clinical Dialysis - I	2
DT 13	Renal Nutrition.	2
DTP 5	Vocational Practical	12

SEMESTER VI		
Subject Code	Subject Name	Credits
GE 6.1	Entrepreneurship	4
GE 6.2	Employment Readiness	4
GE 6.3	Effective Workplace Skills & Competencies	4
DT 14	Advance Dialysis Technology	2
DT 12.2	Clinical Dialysis II	2
DT 15	Instrumentation	2
DTP 6	Vocational Practical	12

**Programme fees:** (Rs. 48,000/-per annum)

**Examination fees:** (Rs. 1,600/- per semester and Rs.3200 per annum)

**Caution Deposit (Refundable):** Rs.5000

**Convocation Fees:** Rs.2000/- (In absentia Rs.2500/-)

**Campus Immersion Expenses:** (Travel & Logistics for 7-10 days on Campus) are not part of the fee structure and the expenses will have to be met by the students followed by communication.