



**Udaan**  
**Skilling & Training Institute**  
GOVERNMENT APPROVED CENTER  
ISO 29993:2017

## Dialysis Technician (DT)

An allied healthcare professional who operates and maintains dialysis machines for patients with kidney diseases. Kidney dialysis makes the difference between life and death for those who suffer from renal failure. These technicians maintain and operate the equipment used for dialysis, a process that cleanses the blood of metabolic waste products.



## Objectives

After completion of the course, participants will be able to:

- Assess and cannulate vascular access for HD.
- Operate the machine according to Nephrologist's order.
- Monitor the patient, machine, and respond to various alarms during the procedure.
- Terminate an HD session and disconnect the patient from the machine

## **Course Description**

- Anatomy & physiology of human body
- Detailed renal anatomy & Physiology
- Renal failure & management
- History & introduction of Haemodialysis
- Scientific principles & practice of Haemodialysis
- Vascular access for Haemodialysis
- Anticoagulation in Haemodialysis
- The Dialyzer-Artificial kidney
- Dialysate composition
- Water treatment for Haemodialysis
- Complications of Haemodialysis & management
- Infection control in Haemodialysis
- Dialysis for ARF & Continuous Haemodialytic techniques
- Extra corporeal detoxification
- Care of patients on HD
- Peritoneal Dialysis
- Introduction to Urea Kinetic Modelling
- Renal Transplantation
- Dialysis Unit management

## **Highlights**

- Theory + Simulation : 1 YEAR
- Internship : 4 MONTH
- Eligibility : 10<sup>th</sup> +2 Pass
- Certification : /BSS / NSDC / NCVTE