

## **(126-MED-24-01) DIPLOMA PERFUSION TECHNOLOGY**

### **Significance of Program**

Perfusion Technology is a branch of science which deals with the study of physiology, pathology and associated equipment used to support and/or assume the function of the heart and/or lungs during medical procedures.

### **Career Options**

They are the most wanted professionals in the healthcare domain and can find jobs in government and private hospitals. They are also employed in clinics, research and development centres, social welfare organizations, medical equipment manufacturing and selling companies.

### **Program Objectives**

Prepare and operate heart-lung machines and other advanced equipment as ordered by healthcare physicians. Perfusionists monitor blood pressure and other factors to determine the best mechanical, pharmacological, and thermal manipulation to keep tissues alive

### **Outcomes of the Program**

Perfusion technologists operate the heart-lung machines and other high-end equipment under the guidance of the healthcare practitioner. These professionals monitor optimal blood pressure and intervene with appropriate pharmacological and mechanical manipulation: to keep tissues alive

### **Major Course Outline**

- Biochemistry
- Medicine relevant to perfusion technology
- Biochemistry
- Pathology
- Applied pharmacology
- Advance perfusion technology
- Clinical perfusion technology

Core	Electives	Skill Course
Clinical perfusion technology	Advance perfusion technology	high degree of skill and judgment, are detail orientated, have strong interpersonal skills, and have

		adequate knowledge of surgical practices and equipment.
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