

COURSE: - B.SC. CARDIO VASCULAR TECHNOLOGY

INTRODUCTION: Current management of various cardiac disorders includes complex diagnostic and therapeutic procedures; handling of these equipments and tools as well as their regular maintenance requires advanced and focused knowledge of the scientific principles on which the tests and equipments function, as well as to have hands-on skill in using these equipments correctly and safely. The personnel who carry out these responsibilities also must have adequate knowledge of structure and function of the human body, especially the cardiovascular system. Optimal delivery of cardiovascular health care is based on the safe use of the equipments and devices.

Cardio vascular technologist is an integral member of healthcare profession. They use various imaging technologies to assist physicians in deterring what the problem with a patient heart is. Entry level technologist perform electrocardiogram (ECG) & may set up stress tests & holter monitoring, can perform more diagnose tests using sonography & other type of non-invasive procedures.

Objectives: The course is designed to enable the student to apply specialized occupational theory, skills and concepts in cardio vascular areas.

Duration: - Duration shall be for a period of Four years including twelve months of Internship.

Course Structure:

First Semester Subjects <ul style="list-style-type: none">• Anatomy• Physiology• Biochemistry• Medical Terminology• English	Second Semester Subjects <ul style="list-style-type: none">• Pathology• Microbiology• Pharmacology• Kannada• Healthcare	Third Semester Subjects <ul style="list-style-type: none">• Basics of electrocardiography• Diagnostics and therapeutics in cardiology• Cardiac Pathophysiology• Computer application/programming• Environment science and Health
Fourth Semester Subjects <ul style="list-style-type: none">• Advanced electrocardiography• ECG in Cardiac arrhythmias• Medicine relevant to Cardio Vascular Diseases• Biostatics and	Fifth Semester Subjects <ul style="list-style-type: none">• Basics of cardiac catheterization and interventions, electronic devices• Echocardiography, principles ,techniques and application• Approach to clinical	Sixth Semester Subjects <ul style="list-style-type: none">• Advanced cardiac catheterization and intervention• Advanced echocardiography• Advanced clinical cardiology• Hospital management

Research methodology • Constitution of India	cardiology • Medical Psychology	
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Special Features:

- Attached Cath lab in Srinivas Hospital with full time exposure to patients
- Competent & highly skilled teaching staff with vast experience in Cardio Vascular technology

Career Opportunities:

They can take up work in

1. In cardiac catheterisation laboratory and help doctors to diagnose heart issues.
2. as Cardio Vascular Technicians in cardiac Cathlab to perform very complex procedures including stent implements, cardiac pacemaker and other tests to diagnose heart disease.