

## **1. NAME OF THE COURSE: B.ScCardiac Vascular Technology**

### **2. ABOUT THE COURSE:**

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 technologists 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.

### **3. ADMISSION CRITERIA:**

Admission to the B.ScCardiac Vascular Technology programme in any year will be based on the results of Srinivas University Entrance Test (SUET) held that year.

### **4. DURATION OF THE COURSE:**

Duration shall be for a period of three and half years including six months of Internship.

### **5. ELIGIBILITY:**

1.Two year Pre-University examination or equivalent as recognized by University with Physics, Chemistry and Biology as principal subjects of study.

OR

2.Pre-Degree course from a recognized University considered as equivalent by University, (Two years after ten years of schooling) with Physics, Chemistry and Biology as principal subjects of study.

OR

3.Any equivalent examination recognized by the University for the above purpose with Physics, Chemistry and Biology as principal subjects of study.

OR

4.The vocational higher secondary education course conducted by Vocational Higher Secondary Education, Government of Kerala with five subjects including Physics, Chemistry, Biology and English in addition to vocational subjects conducted is considered equivalent to plus TWO examinations of Government of Karnataka Pre University Course.

OR

5.Candidates with two years Diploma from a recognized Government Board in a subject for which the candidate desires to enrol, in the respective B.Sc. Cardiac Vascular Technology shall have passed plus 12 [10+2] with Physics, Chemistry and Biology, as principal subjects or candidates with 3 years diploma from a recognized Government Board in a subject for which the candidate desires to enrol.

6. Lateral entry to second year for allied health science courses for candidates who have passed diploma program from the Government Boards and recognized by University, fulfilling the conditions specified above under Sl. No. 5 and these students are eligible to take admission on lateral entry system only in the same subject studied at diploma level.

• **COURSE CONTENT:**

<u>First year Subjects</u>	<u>Second Year Subjects</u>	<u>Third year Subjects</u>
<ul style="list-style-type: none"> <li>➤ Human Anatomy</li> <li>➤ Physiology</li> <li>➤ Biochemistry</li> <li>➤ Pathology</li> <li>➤ Microbiology</li> <li>➤ English</li> <li>➤ Kannada</li> <li>➤ Health Care</li> </ul>	<ul style="list-style-type: none"> <li>➤ Introduction to Cardio Vascular Technology</li> <li>➤ Introduction to Electro Cardiography</li> <li>➤ Cardiac Pathophysiology</li> <li>➤ Cardiac Pharmacology</li> <li>➤ Cardiac Anatomy and Physiology</li> <li>➤ Introduction to Echo Cardiography</li> <li>➤ Holter and Ambulatory Monitoring &amp; Stress Testing</li> </ul>	<ul style="list-style-type: none"> <li>➤ Introduction to Cardio Vascular Devices</li> <li>➤ Cardiac Diagnostic</li> <li>➤ Cardiac Intervention</li> <li>➤ Basic Venipuncture for Allied Health Professionals and Cardiac Rehabilitation</li> <li>➤ Cardio Vascular Clinical Practicum</li> <li>➤ Sociology</li> </ul>

**6. SCOPE OF THE COURSE:**

They can take up work in

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

**7. 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

**8. ENTRANCE EXAM:**

Entrance exam will be conducted every year in the last week of June or first week of July and students will be selected based on the rank system.

**10. COURSE REGULATION DETAILS:**

**WITHDRAWAL FROM COURSE**

Candidates can withdraw from the course before the commencement of the same and not once classes have already begun. Discontinuation will not be permitted unless the total fee of the program is paid by the student.