



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES



Be a professional
**Cardiac Care
Technologist**

Cardiac Care Technologist (CCT) is a health care specialist who supports cardiologist in diagnosing and treatment of ailments of the heart.

**B.Sc. (Hons.) in
Cardiac Care
Technology (CCT)**



Highlights

- Course duration: 3 years + 1 year internship
- Total credits 180
- Courses offered as core courses, ability enhancement courses and electives
- Student observership (clinical exposure) starts from 2nd semester
- Training in research-group project
- Training in well-equipped laboratories
- Hands on training in tertiary care hospitals with state-of-the-art equipment and facilities
- Training under highly qualified and experienced faculty
- Excellent scope of employment both nationally and globally, in super specialty corporate hospitals
- Academic and research facilities available to pursue M.Sc. and Ph.D.

This program will prepare the students to

- Test patients for heart problems
- Work as a part of a multidisciplinary team
- Take care of those suffering from cardiovascular disease
- Use and maintain medical equipment and machines used in the field
- Apply basic and advanced life support skills
- Study emergency invasive procedures that could save an individual's life
- Insert catheters and use pacemakers in practical settings
- Study cardiac-related procedures
- Observe the correct way to perform cardiac procedures before applying practical skills

Career Path

Graduate assist in performing invasive and non-invasive diagnostic examinations and therapeutic interventions of the heart and / or blood vessels at the request or direction of a provider.

Cardiac Technologists assist Physicians in

- Diagnosing and treating cardiac (heart) and peripheral vascular (blood vessel) conditions
- Preparing patients for open-heart surgery
- Implanting pacemakers
- Monitoring patients during these procedures
- Performing cardiac stress tests and electrocardiograms
- Using and maintaining the medical equipment that catches irregular heartbeats
- Working in laboratory settings on real patients
- Management of various cardiac disorders having complex diagnostic and therapeutic procedures

Cardiac care technologist jobs are available in a variety of specialties including:

- Invasive Cardiology
- Vascular Technology
- Echocardiography
- Non-invasive Cardiology

