

M.Sc. – Medical Technology (in Perfusion Technology)

The course would be conducted at the Charutar Arogya Mandal's **Bhanubhai and Madhuben Patel Cardiac Centre**, which is a state-of-the-art heart care center with a view to bringing to the people of Gujarat quality yet affordable cardiac care. The Centre provides services ranging from routine heart check-ups, emergency treatment, cardiac investigations, angiography, angioplasty, by-pass surgery, valve replacements, and several other cardiac procedures.

About the course:

This post graduate degree course in **Perfusion Technology** provides an opportunity to graduate students to pursue their career as a Perfusion Technologist or Perfusionist. During an open heart surgery, the cardiopulmonary bypass (or heart-lung) machine maintains the patient's life by taking over the functions of the heart and lungs. Perfusionists are highly skilled professionals who operate life-support equipment such as heart-lung machines, intra-aortic balloon pumps and ventricular assist devices in the operating room during an open heart surgery. In addition, perfusionists, in coordination with the surgeon and anesthesiologist, are responsible for regulating the patient's levels of oxygen/carbon dioxide and for monitoring circulation.



To perform these tasks and to operate complex equipments as a competent clinical perfusionist; the course provides thorough knowledge and skill to the students through an extensive hands-on training.

Duration: 2 years, Full-time

Eligibility: B.Sc. with Medical Technology (any speciality) or B.Sc with Microbiology / Bio Chemistry/ Zoology / Botany / Physics / Chemistry / Bio-Technology / Genetics **OR** B.Sc. (Nursing) from any recognized university.

Affiliated to : Sardar Patel University

Prospectus and application form can be downloaded from www.charutarhealth.org or contact:
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