



DR. K M CHERIAN HEART FOUNDATION
ST. GREGORIOS CARDIO VASCULAR CENTRE



PARUMALA

BHARAT SEVAK SAMAJ COURSES

NATIONAL DEVELOPMENT AGENCY, PROMOTED BY GOVT OF INDIA

NATIONAL VOCATIONAL EDUCATION MISSION

PROSPECTUS

Courses

1. BSS DIPLOMA IN CARDIO VASCULAR AND THORACIC TECHNOLOGY (PHYSICIAN ASSISTANT)

- a) Entry Requirement: 10 + 2 pass with 50% marks preferably Physics, Chemistry and Biology
- b) Duration: 2 years full time study
- c) Status: BSS Diploma in Cardio Vascular and Thoracic Surgery
- d) Fees: Rs. 50,000 / year
- e) Course Details: Physician Assistant Training involves, training in obtaining medical histories, perform examinations and procedures, such as suture removal, wound dressing, chest tube removal, urinary bladder catheterization, assisting for cardiac surgery, harvesting conduits (GRAFTS) insertion of inter-coastal drainage tubes, closure of skin after surgery order and interpret diagnostic tests, invasive monitoring and assisting in post operative care. Trainees are given extensive training in ICU management. Subjects taught are communicative English, Computer Fundamentals, Human Anatomy and Physiology, Pathology, Microbiology, Pharmacology etc.

2. BSS DIPLOMA IN OPERATION THEATRE TECHNOLOGY

- a) Entry Requirement: 10 + 2 pass with 50% marks any groups will be considered
- b) Duration: 2 years full time study.
- c) Status: BSS Diploma in Operation Theatre Technology
- d) Fees: 50,000 / year
- e) Course Details: Deals with Anaesthetics Drugs, Gases, Analgesics, Muscle Relaxant, Ventilator's and other life saving equipments, inserting invasive lines, Intubation of patient, invasive monitoring, ABG analysis etc. Trainees are given extensive hands on training in operating room techniques, Sterilization methods and exposure to intensive care unit. Subjects taught are communicative English, Computer Fundamentals, Human Anatomy and Physiology, Pathology, Microbiology, Pharmacology etc.

3. BSS DIPLOMA IN PERFUSION TECHNOLOGY

- a) Entry Requirements: 10 + 2 pass with 50% marks in Physics, Chemistry and Biology
- b) Duration: 2 years full time study
- c) Status: BSS Diploma in Perfusion Technology
- d) Fees: 50,000 / year
- e) Course Details: Students are trained in managing cardio pulmonary bypass machine during open heart procedure. (The heart is kept still or motionless and bloodless during surgery, the heart and lungs are bypassed using external device which is known as CPB machine). Students are taught about certain medication to maintain an optimum environment for the surgeons to operate on the heart. Subjects taught are, Communicative English, Computer Fundamentals, Human Anatomy and Physiology, Cardiac Anatomy and Physiology, Pharmacology, Pathology and Cardiac Diseases.

4. BSS DIPLOMA IN CATH LAB TECHNOLOGY

- a. Entry Requirements: 10 + 2 pass with 50% marks in any groups.
- b. Duration: 2 years full time study.
- c. Status: BSS Diploma in Cath lab Technology
- d. Fees: 50,000 / year
- e. Course Details: Students are taught about various cath lab hardware's like angioplasty guide wires, sheaths and catheters for peripheral and coronary angiogram and angioplasty. They are taught how to maneuver the C-Arm machine which is used to take images in various angles to check blocks in coronary arteries. They are taught about various devices used for cardiac congenital anomalies, such as ASD, VSD, PDA. Temporary and Permanent pacemaker implantation, AICD's, CRT-D. Assisting for electro physiological studies and radio frequency ablation. Etc. Subjects taught are, Communicative English, Computer Fundamentals, Human Anatomy and Physiology, Cardiac Anatomy and Physiology, Cardiac Diseases, Pathology, Microbiology and Pharmacology. Students are rotated in Coronary Care Unit and in Cardiac ward. They are trained in ECG recording Holter monitoring Tread Mill testing. etc.

5. BSS DIPLOMA IN ECHOCARDIOGRAPHY

- a. Entry Requirements: 10 + 2 pass with 50% marks in Science group.
- b. Duration: 2 years full time study
- c. Status: BSS Diploma in Echocardiography
- d. Fees: 50,000 / year
- e. Course Details: Students are taught about trans thoracic echo, adult and paediatric, various views and locations. Interpretation of echo findings and recording of 2-D images. They are taught about how to record ECG, Holter monitoring, performing TMT etc. They are rotated in ICU and CCU, for hands on training. Subjects taught are, Communicative English, Computer Fundamentals, Human Anatomy and Physiology, Cardiac Anatomy and Physiology, Pharmacology, Cardiac Diseases, Pathology and Microbiology etc.

6. BSS DIPLOMA IN CSSD TECHNOLOGY

- a. Entry Requirements: 10 + 2 pass with 50% marks in any groups.
- b. Duration: 2 years full time study
- c. Status: BSS Diploma in CSSD Technology
- d. Fees: 50,000 / year
- e. Course Details: Students are trained in Sterilization techniques various processing, Autoclaving methods, ETO Sterilization, various kinds of disinfectant used, cleaning and washing of instruments, storing and distribution. Details of CSSD layout are taught. Students are sent to Chennai Frontier Life Line Hospital for 3 months for further extensive training. Machine machanisms are taught in detail. Subjects Taught are, Communicative English, Computer Fundamentals, Human Anatomy and Physiology, Microbiology, Pathology and Pharmacology etc.