

DIPLOMA IN MEDICAL ELECTRONICS, MEDICAL DEVICE, ALLIED ENTREPRENEURSHIP AND SELF-RELIANCE

Subject Code: DSP-410

Scope of the Course:

The COVID lockdown situation in country and the announcement by the Honorable Indian Prime Minister, **Narendra Modi** towards becoming more self-reliant or AatmaNirbhar has surfaced in several opportunities to many sectors, prominent among them being the medical device manufacturing sector and medical devices in India.

The cost of healthcare in more than 35 per cent more competitive as compared to developed countries such as the US and UK and other European countries. That is the reason many foreign tourists visit India to get affordable treatment and India has emerged as preferred destination for medical tourism. There is also an huge rise in the domestic demand in the preventive healthcare segment. This segment has been growing at the rate of 18 per cent CAGR and expected to be worth US\$100 billion in the next 2-3 years. The current demand and supply-side scenario provides a huge opportunity for local manufacturers for producing medical devices and medical electronic manufacturing in India. The course provides detailed training and overview for medical equipment's and medical electronics industry and you may setting up new MSME/ Startup for manufacturing/ processing of following goods/ items/products:

Different type of entrepreneurship / MSME:

- Medical Device equipments
- Devices requiring external energy source for medical/surgical use
- Devices not requiring any equipments
- Disposables medical equipments
- External energy source
- Medical Electronics Implants
- Surgical equipments
- Diagnostic devices equipments
- Life Support equipments

MEDICALELECTRONIC PRODUCT:

- X-Ray Film processor tabletop
- X-ray Film Viewer
- Ultrasound (3 probes) Gastroscope (With halogen light source)
- X-Ray Unit Universal
- X-Ray Mobile
- Colonoscope (With halogen light source)
- Electrocardiograph 3 channels
- Operating theater light (5 spotlights)
- **Other medical equipments:** Operating Table (Trauma/Multifunction, electric/ hydraulic driven, electric/ hydraulic driven), Anesthesia trolley (anesthesia machine with ventilator and monitor), Syringe pump, Electro-surgical Unit (Monopolar-bipolar) Suction Pump, Operating instrument set, Suction Pump, Operating Table (Multifunction, Defibrillator, Ventilator ICU, Pulse oximeter, Patient Monitor, ICU, Patient Monitor, anesthesia, Oxygen Concentrator, Couch, Gynecology, Delivery Bed, Examination Lamp, Uterine Aspiration Set Fetal Monitor Scale for newborn children, Microscope Binocular Analyzer Hematology, Urinalysis System, Chemistry Analyzer Semi-Automatic, Coagulometer, Water Bathwater, Still Centrifuge, Incubator laboratory, Refrigerator, Autoclave, Hot air sterilizer, Scale for Adults, AMBU emergency case, Bacteriological light Infusion fluid holder, Microscope Monocular, Patient trolley, Incubator neonate, Surgical light mobile Splint

set, Transportation splint Stretcher, Tracheostomy set, Fiber bronchoscope, Arthroscope, Duodenoscope, Laparoscopy system with instrumentation for general surgery, EEGCT-scanner, Portable ultrasound scanner, Surgical microscope for eye, Infant reanimation centre, Cardiotocograph, Nebulizer, Mammograph, Coronarography/Angiogramaphy system, Delivery Couch, Infant warmer, Washing machine and **other allied MSME/ Startup entrepreneurship.**

