

# **Post M. Sc. Diploma Course in Medical Physics**

## **Department of Physics in Collaboration with AMRI Hospitals**

### **Preamble**

The medical Physics plays a very important role in the field of treatment of Cancer and related field of medicine where the radiation is being used. As per the Radiation Protection Rule 1971, a Radiotherapy Centre cannot run without a Medical Physicist. In Indian scenario, there is acute shortage of Medical Physicist and in near future there will be need of more, as many cancer centers are coming up in various parts of our country. At present, only the following Institutions are organizing Post Graduate or Diploma course in this area:

- i) Bhabha Atomic Research Centre(Bombay University),Mumbai
- ii) Cancer Institute [WIA](Anna University),Adyar,Chennai
- iii) Manipal Institute of Oncology(Manipal University),Manipal

### **The Course**

Students will be trained in the safe use of radiation and radioisotopes in Medicine and Medical Research. The course contents covers radiation physics, radiation chemistry, radiation biology, electronics and instrumentation, statistics, computational methods, applications of radioisotopes in medicine, and radiation hazard evaluation and control. The training is supplemented by exhaustive experiments, demonstrations, visit to hospitals and training in the clinical situation.

### **Scope of the Course**

The course qualifies the candidates for employment as Medical Physicist/Radiological Safety Officer in Medical Institutions handling radioisotopes and ionising radiations.

The successful candidates will get group "A" salary structure in Govt. organisations and there is no limit of salary in private organisations. There is also good opportunities for the candidates in abroad .

### **Minimum Educational Qualification for Admission**

55% marks in M.Sc(Physics), M.Sc.(Electronics) and M.Sc.(Biophysics) with Physics as one of the subjects at B.Sc. level.

**Course Fees** Rs.60,000/-(Total)

**Course Duration** One Year

**Class Hours** 5 p.m. to 9 p.m.