

SRM UNIVERSITY
FACULTY OF ENGINEERING AND TECHNOLOGY
SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF NUCLEAR SCIENCE AND ENGINEERING

LIST OF LABORATORIES AND FACULTY IN-CHARGES

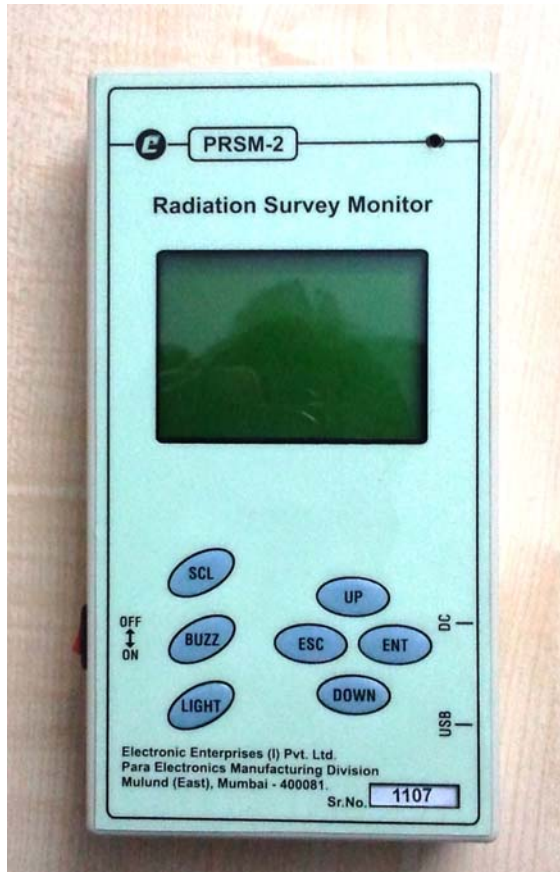
S. NO.	LAB NAME	LAB IN-CHARGE	ASSISTANT IN-CHARGE
1.	Nuclear Measurement Laboratory	Dr.G.M.Brahmanandhan	
2.	Nuclear Thermo Hydraulics Laboratory	Ms.Sucheta Deshmukh	Mr. S.Sivashankar

NUCLEAR MEASUREMENT LABORATORY

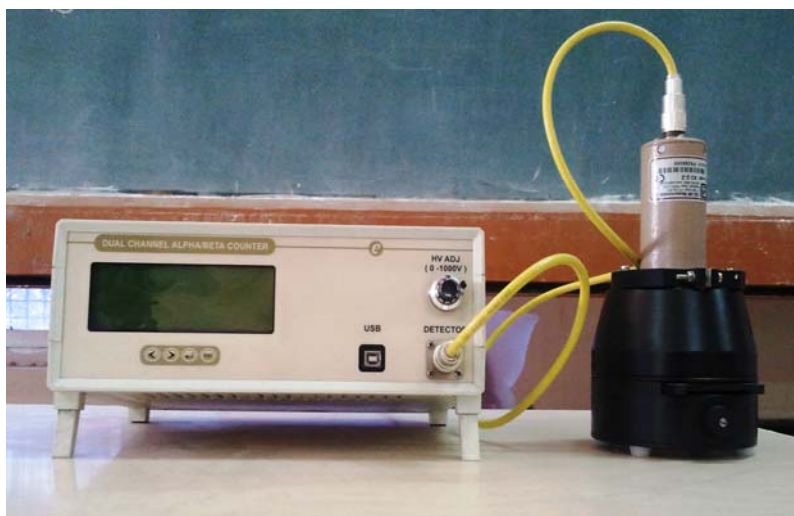
Laboratory Head: Dr.G.M.Brahmanandhan

Equipments available:

1. Portable Radiation Survey Meter



2. Geiger – Muller Counter



3. Sodium Iodide (Thalium) gamma ray spectrometer



4. Alpha – Beta detector



List of Experiments:

1. Determining the plateau and optimal operating voltage of Geiger-Muller counter
2. Determining the efficiency of a Geiger-Muller counter
3. Determining the resolving (dead) time τ of a Geiger – Muller counter
4. Determining the half life of a radio isotope using Geiger – Muller counter
5. Determining the efficiency of a environmental survey meter
6. Determining the efficiency of a given alpha source
7. Determining the properties of NaI detector
8. Energy calibration of NaI detector with ^{137}Cs and ^{60}Co