

**MEENAKSHI COLLEGE FOR WOMEN, CHENNAI – 24**  
**Department of Physics**  
**M.Phil.**

**Programme Outcome:**

The M.Phil programme provides an advanced knowledge and some research experience within the specific fields through a supervised project leading to dissertation. It also provides familiarity in contemporary research in the respective fields. To communicate effectively through oral, visual and written form.

**M.Phil Physics (Programme Specific Outcome)**

\*To use experimental, computational and theoretical methods to identify complex problems in Physics.

\* To carry out a project, analyse the data and interpret the result

\* To critically assess their expertise and use their knowledge effectively to provide a possible solution.

**COURSE OUTCOMES**

S. No.	SEMESTER	TITLE OF THE COURSE	COURSE CODE	COURSE SPECIFIC OUTCOME
1	I	Research Methodology	MPhlPH1	Utilise methodologies, language and conventions of physics to pursue research
2		Advanced Physics	MPhlPH2	Ability to solve novel problems in multidisciplinary physics
<b>Special Papers</b>				
3		Nanoscience and Nanotechnology	MPhlPHNT	Solve scientific problems related to nanotechnology materials
4		Applied Spectroscopy	MPhlPHSP	Apply scientific reasoning skills to spectroscopic problems
5		Radiation Physics	MPhlPHRP	Identify problems in radiation sources, detections, interaction and dosimetry.
6		Principles and Methods Of Crystal Growth	MPhlPHCG	Identify and apply suitable strategies for synthesizing and characterizing crystals
7	II	Project Work	MPhlPHPH	Provide adequate training in conducting cutting edge research in the areas of modern physics
8		Project Viva voce	MPhlPHPV	Ability to present their project work with confidence and defend it scientifically at an advanced level

