

SCHOOL OF ENGINEERING & TECHNOLOGY
Sri Padmavati Mahila Visvavidyalayam
Women's University-Tirupati
ENGINEERING PHYSICS

B.Tech. (I year) (I semester) (Common to CSE & ME)

Course Outcomes

Upon successful completion of this course, the student will be able to:

CO-1 : Students would be able to explain the basic concepts of Quantum Mechanics and the band theory of solids.

CO-2 : To enable students to learn and to apply the basic concepts of properties of matter in day to day life.

CO-3 : To learn the types of Semiconductors and the role of carrier concentrations in conductivity. Understand the behaviour of materials at low temperatures and the applications of Super conductivity.

CO-4 : Understand the use of lasers in Engineering Science, Medicines & apply the concepts of optical fibre in communication systems.

CO-5 : The student will get a basic understanding of Nanotechnology. The course will give idea of synthesis, characterisation of Nano materials and electrical & optical properties, applications of Nano systems.