

**Indian Institute of Information Technology, Design and
Manufacturing, Kancheepuram**

Assignment 2

Physics of Materials (PHY2002)



Unit II

- 1) Explain the different types of Carbon nanotube and their properties
- 2) What are surface plasmons. Explain its shape dependence in the absorption spectra.

Unit III

- 1) Explain the types of energy resources.
- 2) Describe the principle, construction and mechanism of photovoltaic solar cell.
- 3) What is nuclear fission and fusion? And explain the Nuclear energy process.
- 4) Explain the process of electrochemical energy and its process.