

**Course Name: Biology of cells**

Start Date: 01.05.2019

Fees: Rs. 3000/-

**Learning objectives**

- To understand the structure and function of prokaryotic and eukaryotic cells and cell organelles
- To demonstrate proficiency in concepts of cell biology
- To understand the dynamics of biological membrane in cell signaling and transport.
- To understand the role of cells in metabolism and energy homeostasis.
- To understand the concepts of bioenergetics and energy homeostasis.

**Key knowledge activities**

- Understanding the basics of prokaryotic and eukaryotic cells such as structure, function, metabolism etc.
- Understanding the basic of cellular metabolism and transport.
- Understanding the role of cellular metabolism in energy homeostasis.

**Practical activities**

- Practical aspects related to the course will be covered.

**Assessment guidelines**

- Continuous assessments, Assignments, seminar presentations and end semester examination.