

## **Department of Information Technology**

### **Programme Educational Objectives (B.Tech. – IT)**

#### **Graduates are able to**

- PEO 1.** Engage in continuous learning by upgrading skills in Information Technology and solve real life & professional problems with the knowledge of fundamental science and engineering concepts.
- PEO 2.** Apply their engineering and communication skills to comprehend, analyze complex problems to design and implement the feasible solutions.
- PEO 3.** Exhibit professional excellence, ethics, soft skills, leadership qualities and also responsibility towards societal needs.

### **Programme Outcomes (B.Tech. – IT)**

#### **At the end of the Programme, a graduate will be able to**

- PO 1:** Apply the knowledge of basic sciences and fundamental engineering concepts in solving engineering problems.
- PO 2:** Identify and define engineering problems, conduct experiments and investigate to analyze and interpret data to arrive at substantial conclusions.
- PO 3:** Propose appropriate solutions for engineering problems complying with functional constraints such as economic, environmental, societal, ethical, safety and sustainability.
- PO 4:** Perform investigations, design and conduct experiments, analyze and interpret the results to provide valid conclusions.
- PO 5:** Select/develop and apply appropriate techniques and IT tools for the design & analysis of the systems.
- PO 6:** Give reasoning and assess societal, health, legal and cultural issues with competency in professional engineering practice.

- PO 7:** Demonstrate professional skills and contextual reasoning to assess environmental/societal issues for sustainable development.
- PO 8:** Demonstrate Knowledge of professional and ethical practices
- PO 9:** Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary situations.
- PO 10:** Communicate effectively among engineering community, being able to comprehend and write effectively reports, presentation and give / receive clear instructions.
- PO 11:** Demonstrate and apply engineering & management principles in their own / team projects in multidisciplinary environment.
- PO 12:** Recognize the need for, and have the ability to engage in independent and lifelong learning.

### PEOs & POs Mapping

Programme Educational Objectives (PEOs)	Programme Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3	2	1	-	2	-	1	-	-	1	-	2
2	2	3	2	3	3	-	-	1	1	3	3	-
3	-	-	2	-	-	3	2	3	3	2	1	1

\* 3 – Strongly Correlating; 2 – Moderately Correlating & 1 – Weakly Correlating