

**JADAVPUR UNIVERSITY**

**Dept. of Information Technology**

***Vision:***

To provide young undergraduate and postgraduate students a responsive research environment and quality education in Information Technology to contribute in education, industry and society at large.

***Mission:***

**M1:** To nurture and strengthen the professional potential of undergraduate and postgraduate students to the highest level.

**M2:** To provide international standard infrastructure for quality teaching, research and development in Information Technology.

**M3:** To undertake research challenges to explore new vistas of Information and Communication Technology for sustainable development in a value-based society.

**M4:** To encourage teamwork for undertaking real life and global challenges.

***Program Educational Objectives (PEOs):***

Graduates should be able to:

**PEO1:** Demonstrate recognizable expertiseto solve problems in the analysis, design, implementation and evaluation of smart, distributed, and secured software systems.

**PEO2:** Engagein the engineering profession globally, by contributing to the ethical, competent, and creative practice of theoretical and practical aspects of intelligent data engineering.

**PEO3:** Exhibit sustained learning capabilityand ability to adapt to a constantly changing field of Information Technology through professional development, and self-learning.

**PEO4:** Show leadership qualitiesand initiative to ethically advance professional and organizational goals through collaboration with others of diverse interdisciplinary backgrounds.

***Mission - PEO matrix:***

| **Ms/ PEOs** | **M1** | **M2** | **M3** | **M4** |
| --- | --- | --- | --- | --- |
| **PEO1** | 3 | 2 | 2 | 1 |
| **PEO2** | 2 | 3 | 2 | 1 |
| **PEO3** | 2 | 2 | 3 | 1 |
| **PEO4** | 1 | 2 | 2 | 3 |

(3 – Strong, 2 – Moderate and 1 – Weak)

***Program Specific Outcomes (PSOs):***

At the end of the program a student will be able to:

**PSO1:** Apply the principles of theoretical and practical aspects of ever evolving Programming & Software Technology in solving real life problems efficiently.

**PSO2:** Develop secure software systems considering constantly changing paradigms of communication and computation of web enabled distributed Systems.

**PSO3:** Design ethical solutions of global challenges by applying intelligent data science & management techniques on suitable modern computational platforms through interdisciplinary collaboration.