



# 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 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 expertise to solve problems in the analysis, design, implementation and evaluation of smart, distributed, and secured software systems.
- PEO2:** Engage in 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 capability and ability to adapt to a constantly changing field of Information Technology through professional development, and self-learning.
- PEO4:** Show leadership qualities and 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
<b>PEO1</b>	3	2	2	1
<b>PEO2</b>	2	3	2	1
<b>PEO3</b>	2	2	3	1
<b>PEO4</b>	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 secured 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.