



JADAVPUR UNIVERSITY

Power Engineering Department

Vision and Mission of the Department

Vision of the Department:

To emerge as a globally recognized department in imparting quality education to produce successful Power Engineers

Mission of the Department:

- To provide the students with the state of art of enabling technologies related to energy and power engineering to meet the global challenges
- To generate skilled human resources for sustainable development of the energy and allied sectors
- To facilitate the students to choose career in the industry, research and development, and entrepreneurship
- To impart legal and ethical awareness to the students for the inclusive development of the society

Program Educational Objectives:

Graduates shall be able to

- **PEO 1:** Succeed in their career as globally employable power engineers and team leaders
- **PEO 2:** Pursue advanced education and research in energy, power and allied interdisciplinary areas leading to lifelong learning successfully
- **PEO 3:** Have ethical values, social commitment and leadership qualities towards application areas of electrical energy

Mission - PEO matrix:

PEO Statements	M1	M2	M3	M4
Graduates shall be able to succeed in their career as globally employable power engineers and team leaders	3	3	2	2
Graduates shall be able to successfully pursue advanced education and research in energy, power and allied interdisciplinary areas leading to lifelong learning	3	2	3	3
Graduates shall be able to emerge as professionally and ethically responsible citizens committed to sustainability	3	3	2	3

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

Program Specific Outcomes (PSOO)

PSO1: Interdisciplinary Domain Exposure: Interpret problems and apply enabling technologies to develop comprehensive solutions for the energy and power sectors

PSO2: Economic and sustainable energy resources: Assess and analyze energy resources and formulate optimized solutions for sustainable development

PSO3: Safe and secured energy: Recognize safety, control and management aspects of new generation energy technology