

M.Tech (PSE)

PO and its Attributes:

S.No.	PO	Attributes
1.	Acquire technical competence, comprehensive knowledge and understanding the methodologies and technologies of power system operation and control, principles and practices of energy management	Erudition of Knowledge
2.	Ability to apply the knowledge of mathematics, science, engineering and technology. Understand in detail, analyse, formulate and solve the issues pertaining to the application of power system technologies.	Critical Thinking
3.	Acquiring the ability to identify, investigate, understand and analyse complex problems pertaining to power management in power industries and identify effective solution strategies for implementation.	Problem Solving
4.	Inculcate the role of research in developing and maintaining knowledge of the state-of-the-art in various power technologies. Acquire the skill to design, develop and modify systems in hardware and software platforms to meet desired needs within realistic constraints.	Research Skill
5.	Create, select and apply appropriate techniques, resources, modern engineering to complex engineering activities in the field of power system, control and energy management	Usage of Modern tools
6.	Acquire the capacity to understand and summarize complex information pertaining to various fields of engineering in industries. Function effectively as an individual, and as a member or leader in a team	Collaborative and Multidisciplinary work
7.	Acquire the skill to develop specifications, implement and critically assess projects and their outcomes. Demonstrate management, leadership and entrepreneurial skills, and apply these to one's own work, as a member and a leader in a team to manage projects in multidisciplinary environments	Project Management and Finance
8.	Ability to communicate effectively in both oral and written contexts in the form of technical papers, project reports, design documents and seminar presentations.	Communication
9.	Recognize the need for, and acquire the ability to engage in self-improvement through continuous professional development and life-long learning to maintain an up-to-date knowledge of contemporary issues in various fields of engineering.	Life-long Learning
10.	Apply and commit to professional ethics and responsibilities of engineering practice. Understand the importance of sustainability and cost effectiveness in design and development of engineering solutions for	Ethical Practices and Social Responsibility

	industries and their impacts in societal and environmental context. Demonstrate awareness of societal, safety, health, legal and cultural issues relevant to professional engineering practice.	
11.	Impart an eagerness to conduct investigation and research on chosen field of study and thus keep moving towards being adaptive, self-reliant and self evaluative.	Independent and Reflective Learning