

Program Educational Objectives (PEOs)

PEO1: To produce well trained post graduates with advanced knowledge and skills in the areas of Power Electronics & Machine Drives, and Control, enabling them to be employed in industry, academia and research organizations.

PEO2: To produce highly qualified and knowledgeable engineers & researchers so that they can analyze, design and create novel products and solutions to the problems in the areas of Power Electronics & Machine Drives, and Control that are technically sound, economically feasible, socially acceptable & environment friendly.

PEO3: To apply advanced engineering knowledge and management principles for driving industrial growth and technological advancement in the chosen field of interest.

PEO4: To exhibit professionalism, ethical attitude, communication skills and leadership qualities in their profession and demonstrate the knowledge for sustainable development

Program Outcomes (POs)

PO1: An ability to independently carry out research /investigation and development work to solve practical problems.

PO2: An ability to write and present a substantial technical report/document.

PO3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

PO4: An ability to apply advanced level knowledge, techniques and modern tools in designing, controlling and using the power converters and drives for various applications and problem solving.

PO5: An ability to analyze and understand the impact of power electronics & machine drives, and control in a global, environmental, societal context and demonstrate the knowledge for sustainable development.

PO6: An ability to apply advanced engineering knowledge and management principles for carrying out assignments & projects in multidisciplinary environments.