

## **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

### **M.TECH PROGRAMME OUTCOMES (POs)**

<b>PO1</b>	Design and implement power electronic converters, electrical drives with real time controllers by applying theoretical and practical considerations.
<b>PO2</b>	Analyze and synthesis power flow control and motion control requirements in industrial and domestic systems.
<b>PO3</b>	Investigate critical engineering problems and develop optimal technological solutions for power electronic systems and electrical drives adopted in domestic and industrial applications.
<b>PO4</b>	Apply research techniques for ascertaining and deciphering potential problems in the regime of power electronics and electrical drives with the aid of simulations and practical experiments.
<b>PO5</b>	Simulate and experiment the design of power electronic converters and electrical drives using mathematical modelling and modern soft computing techniques.
<b>PO6</b>	Participate in the regime of collaborative-multidisciplinary engineering / research tasks by integrating innovations from allied departments giving due consideration to ecological and economical intricacies.
<b>PO7</b>	Develop consultative and entrepreneurial solutions pertaining to practical power electronic and drives projects in both domestic and industrial domains.
<b>PO8</b>	Communicate effectively and compose technical reports concerning with engineering projects and researches.
<b>PO9</b>	Endure research attitude for engaging life-long learning to enhance knowledge and competency.
<b>PO10</b>	Practice professional ethics and uphold intellectual integrity for the sustainable development of society.
<b>PO11</b>	Develop a positive attitude towards problems and pursue learning with self-motivation.