

M.Tech - Power Electronics

Program Educational Objectives (PEO)

1. To provide deep understanding, a solid analytical base and technical knowledge in power electronics.
2. To motivate students to pursue innovative research and development activities and inspire them to solve practical problems in power electronics
3. To impart strong theoretical and experimental knowledge in the domain and to enhance employability in industry, academia and R&D organizations.
4. To instill a deep sense of ethics and values, impart professionalism and interpersonal skills among students.

Program Outcomes (PO)

1. Ability to independently carry out research /investigation and development work to solve practical problems.
2. Ability to write and present a substantial technical report/document.
3. 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.
4. Ability to understand, design, implement, control and validate power conversion systems.
5. Readiness for further academic research activities and industry in the field of power electronics.