

Harcourt Butler Technical University, Kanpur


Department of Electrical Engineering


Program Specific Outcomes (PSOs) for B. Tech. program :


PSO1. To apply knowledge of mathematics, science and professional subjects to formulate, interpret and analyze problems appropriate to Electrical Engineering.


PSO2. To employ appropriate engineering techniques, skills, tools and researched based knowledge to realize Electrical Engineering systems and apply in life-long learning.


PSO3. To motivate students towards becoming entrepreneurs, collaborators and innovators, leading to address social, technical and business challenges.



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Program Name: **Master of Technology (M.Tech.)**
Specialization: **Power Electronics and Control**

Program Educational Objectives (PEOs):

The major objectives of M. Tech. programme in "Power Electronics and Control" are to prepare the students:


1. to enhance knowledge for designing and developing advanced power electronics and control based models as per local, regional and global needs
2. to acquire soft skills and apply the same in seminars, presentations and research activities
3. to excel in professional career or higher studies by acquiring knowledge in advanced topics in power electronics and control engineering
4. to serve research and development organizations to solve social, industrial and future challenges

Program Specific Outcomes (PSOs):


PSO1: Design, implement and validate the power electronics and control based systems for various applications.

PSO2: Develop research competence and leadership to enhance personal and professional growth to pursue career in the field of power electronics and control applications.

PSO3: Attain competence in use of modern tools for analyses, design and optimization of engineering problems.



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