

M.Tech - Control system

Program Educational Objectives (PEO)

1. Strengthen analytical skills and the technical knowledge in the interdisciplinary area of control theory and applications
2. Enable the graduates to pursue research by adopting dynamic academic curriculum; implement innovative learning and research practices to harness curiosity and creativity; inspire and educate the students to analyze and solve complex problems.
3. Enhance the employability of the graduates in Industry/Academia/R&D organizations by inculcating strong theoretical and experimental knowledge in the domain with exposure to real-life and practical applications.
4. Instill deep sense of ethics, social values, professionalism and inter-personal skills among students.

Program Outcomes (PO)

1. An ability to independently carry out research /investigation and development work to solve practical problems.
2. An 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. Analytical skills for dynamical system modeling and control system design.
5. An ability to simulate and implement feedback control systems using advanced software and embedded tools.