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## Programme Educational Objectives



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## Programme Educational Objectives:

- **PEO I:** To provide students with a sound foundation in the science, mathematics, engineering and software/ hardware fundamentals.
- **PEO II:** To provide graduates the background and necessary perspective to pursue higher education. They should be able to work competitively in related fields over the spectrum of Irrigation Industries, Watershed Management Organizations, Tractor and Farm Implement Companies, Food Processing Industries, Seed and Fertilizer Companies, Energy and Renewable Energy field, NGOs and Government Organizations.
- **PEO III:** To develop the analytical and logical aptitude among students to quickly adapt to new work environments, assimilate new information, and solve new problems.
- **PEO IV:** To provide exposure of new cutting edge technologies to the students and to motivate them to take up new challenges to solve the problems faced by society and nation through research, entrepreneurship and skill development
- **PEO V:** To inculcate the nature of self learning, discipline and leadership qualities with good communication skills in students and to introduce them to holistic approach of working in a team according to the codes of professional practice.

## **PROGRAMME OUTCOME (POs)**

- Graduates will demonstrate an ability to apply knowledge of agricultural engineering, probability and statistics as it applies to the field of agricultural engineering for rural development through construction of soil and water conservations structures, farm mechanization, post-harvest management and value addition of food materials and of horticultural produces etc.
- Graduates will demonstrate in depth knowledge of topics which are critical to surface and well irrigation practices especially in command area development, on farm development, various works related and affiliated with the Panchayati Raj and MG NREGA, MJSY etc.
- Graduates will demonstrate the ability to design a process that meets desired specifications and requirements.
- Graduates will demonstrate the ability to function as a member of engineering and science laboratory teams, as well as on multidisciplinary design teams.
- Graduates will demonstrate the ability to learn and work independently to identify and solve various engineering problems related with Farm Machinery and Power Engineering, Soil and Water Engineering, Irrigation and Water Engineering, Processing and Food Engineering, Post-Harvest Engineering, Renewable Energy Engineering.
- Graduates will demonstrate an understanding of professional and ethical responsibilities.
- Graduates will possess effective communication skills both orally and in writing.
- Graduates will have the confidence and potential to apply engineering solutions in global and social contexts to achieve Skill India Mission.

capabilities of independent problem solving, self-learning

- Graduates will be broadly educated and will have an understanding of the impact of engineering on society and demonstrate awareness of contemporary issues

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