Govt. of Bihar

MUZAFFARPUR INSTITUTE OF TECHNOLOGY, MUZAFFARPUR-842003

Department of Electrical Engineering

Letter No. NBA/MIT- Date: -26/06/2018

Program Outcomes (POs) based on Program Educational Objectives (PEOs) of Electrical Engineering Department:

PO 1. **Engineering knowledge**: An ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to get the solution of the engineering problems.

PO 2. Problem analysis: Ability to Identify, formulates, review research literature, and analyze complex engineering problems.

PO 3. Design/development of solutions: Ability to design solutions for complex engineering problems by considering social, Economic and environmental aspects.

PO 4. Conduct investigations of complex problems: Use research-based knowledge to design, conduct, analyze experiments to get valid conclusion.

PO 5. Modern tool usage: ability to create, select, and apply appropriate techniques, and to model complex engineering activities with an understanding of the limitations.

PO 6. The engineer and society: Ability to apply knowledge by considering social health, safety, legal and cultural issues.

PO 7. Environment and sustainability: Understanding of the impact of the adopted engineering solutions in social and environmental contexts.

PO 8. Ethics: Understanding of the ethical issues of the electrical engineering and applying ethical principles in engineering practices.

PO 9. Individual and teamwork: Ability to work effectively as an individual or in team, as a member or as a leader.

PO 10. Communication: An ability to communicate clearly and effectively through different modes of communication.

PO 11. Project management and finance: Ability to handle project and to manage finance related issue

PO 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning.

Program Educational Objectives (PEOs) of Electrical Engineering Department:

PEO 1. Students will be able to engage in life-long learning and research including supportive and responsible roles on multi-disciplinary tasks.

PEO 2. Students will acquire, use and develop skills as required for effective professional and societal practices and leadership quality.

PEO 3. Students will be able to create a new dimension of innovation and entrepreneurship.

Program Specific Outcome (PSOs) of Electrical Engineering Department:

PSO1 Able to analyze and design the system that efficiently generates, transmit, distribute and utilize electrical power to enhance the quality of human life.

PSO2 Able to apply the knowledge of technical and management skills ethically required to work in a team and to lead a team as well.

Co-ordinator
(Dept. of Electrical Engg.)

HOD
(Dept. of Electrical Engg.)