



# DEPARTMENT OF ELECTRICAL ENGINEERING

## National Institute of Technology Calicut

### Programme Educational Objectives of M. Tech Programme in High Voltage Engineering

<b>PEO1</b>	To equip the electrical engineering graduates with enhanced knowledge and skills in the area of High Voltage Engineering so as to excel in various sectors of modern power industry/utility and/or teaching and/or higher education and/or research.
<b>PEO2</b>	To transform electrical engineering graduates to expert High Voltage engineers so that they could comprehend, analyze, design and create novel products and strategic solutions to real life problems in the area of High Voltage Engineering that are technically sound, economically feasible and socially acceptable.
<b>PEO3</b>	To make the engineering graduates capable of maintaining lifelong learning and up keeping professional ethics and social values while addressing the technical and social challenges.
<b>PEO4</b>	To improve the communication skills and willingness to work in groups and to develop multidisciplinary approach in problem solving.

### Programme Outcomes of M. Tech Programme in High Voltage Engineering

<b>PO1</b>	An ability to independently carry out research/ investigation and development work to solve practical problems.
<b>PO2</b>	An ability to write and present a substantial technical report/document.
<b>PO3</b>	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.
<b>PO4</b>	Ability to utilize the acquired knowledge to design and develop new techniques in order to tackle the problems pertaining to high voltage systems and also take up administrative challenges including the management of projects related to High Voltage Systems having multidisciplinary nature.
<b>PO5</b>	Willingness and ability to upkeep professional ethics and social values while carrying out the responsibilities as a High Voltage engineer/researcher in devising solutions to real life engineering problems in an independent manner.