

ABOUT THE INSTITUTION

New Horizon College of Engineering is an Autonomous college affiliated to Visvesvaraya Technological University (VTU), approved by the All India Council for Technical Education (AICTE) and University Grants Commission (UGC). It is accredited by NAAC with 'A' grade & National Board of Accreditation (NBA). New Horizon college of Engineering is located in the heart of the IT capital of India, Bangalore. The college campus is situated in the IT corridor of Bangalore surrounded by MNCs and IT giants. NHCE has a scenic and serene campus that provides an environment which is conducive for personal and intellectual growth. The infrastructure acts as a facilitator for the effective delivery of the curriculum. NHCE boasts of state-of-the-art facilities for its students. They are given utmost encouragement in their areas of interest by providing hi-tech facilities backed by faculty support.

ABOUT THE DEPARTMENT OF R&D

The Department of Research and Development has unparalleled facilities, proactive initiatives to promote research (both sponsored and academic research) and consultancy. The vibrant R&D culture fosters innovative spirit to kindle the young minds at the campus under the able guidance and mentorship of motivated faculty members at all the departments. The sustained and passionate efforts of R&D at NHCE have carved a niche in India and abroad for NHCE.

ABOUT THE DEPARTMENT OF EEE

The Department of Electrical & Electronics Engineering (EEE) at New Horizon College of Engineering (NHCE), Bangalore. EEE is one of the prestigious branches of Engineering and one among the oldest departments of NHCE-Bangalore started in 2001. The EEE Department has been playing a vital role in producing Engineers and Technologists of high caliber ever since it was established in the year 2001. The Department is accredited by NAAC with 'A' Grade and accredited by NBA. The Department is inclined towards bridging the gap between Industry and academia by collaborating with Multinational Companies in the field of Electrical Engineering. Indo-French Center of Excellence in Electricity, Automation and Energy (IFCEEAE) is one such initiative evolved through "MoU" with French Ministry of National Education and Schneider Electric India Pvt. Ltd.

ORGANISING COMMITTEE

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New Horizon Educational Institution

Mr. Dharmesh Manghnani
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New Horizon Educational Institution

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Professor - EEE & Associate Head - R&D

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Assistant Professor - EEE



Department of Research and Development
Department of Electrical and Electronics Engineering

Jointly organise

Faculty Development Program (FDP / STTP)

on

Research Challenges in Advanced Power
Converters for Industrial Electronics Applications

10th - 14th November 2025



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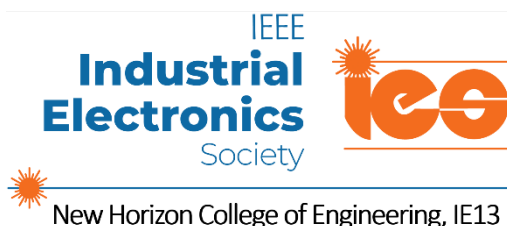
Department of Research and Development

&

Department of Electrical and Electronics Engineering

IEEE Industrial Electronics Society Student Branch Chapter

Geo-Code: SBC66131B



Title	Faculty Development Program (FDP/STTP) on “Research Challenges in Advanced Power Converters for Industrial Electronics Applications”	
Department	Department of Research and Development & Electrical and Electronics Engineering	
Date	From: 10.11.2025	To: 14.11.2025
Time	From: 10:00 AM	To: 04:00 PM
Brief Description (4-5 Lines Max)	Department of Research and Development and IEEE IES NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is jointly organized the Short Term Training Program (STTP) on “Research Challenges in Advanced Power Converters for Industrial Electronics Applications” on 10th – 14th November 2025, between 10:00 AM to 04:00 PM in association with IEEE Industrial Electronics Society Bangalore Chapter through offline mode. This FDP is designed to address research advancements in Power conversion topologies and applications in the industry and to encourage various zonal professionals’/students/academicians towards research and for their Academic Quality Improvement too. This course will offer a unique opportunity to all the participants in the relevant topics in Real Time Power Electronic systems and its applications through theoretical sessions and simulation plus laboratory-based experiments and demonstrations. It is due to development of switching devices, magnetic components, control techniques, computational methods, DSP/FPGA controllers, etc. Applications of power electronics can be found in several areas like Renewable Energy, industry, transportation, medical, telecommunication, residential energy systems, electric vehicles etc. Certain low and high power switching converters are developed in these areas. Also, this FDP aims at giving scope for future research. The entire session is very informative and enthusiastic manner in the area of power electronics industry. The eminent experts from the eminent professional and Industry delivered the lecture and his talk has been very well received by the 50 participants of IEEE Members.	



Images



