ABOUT THE INSTITUTION:
BMS Institute of Technology and Management (BMSIT&M) established in the year 2002 with the Vision: To emerge as one of the finest technical Institutions of higher learning, to develop engineering professionals who are technically competent, ethical and environment-friendly for the betterment of society. It is a well-established private engineering college recognized by the AICTE, Government of India and is affiliated to Visvesvaraya Technological University (VTU), Belagavi. With its modern infrastructure, highly qualified and committed faculty and active industry engagement, the Institute has been recognized as “The Best Emerging Technical Institute in Karnataka” by Communication Multimedia application & Infrastructure (CMAI) in association with VTU. The Institute offers eight UG and three PG programs out of which seven programs are accredited by NBA namely EEE, ETE, ECE, ME, CSE, ISE and MCA. The Institute possesses 50 plus Doctoral degree holders and currently around 50 faculty members pursuing Ph.D. from reputed universities and is a recognized R & D centre under VTU. Funded projects from agencies such as DST, VGST, DRDO, NRRL etc. are in progress. BMSIT&M signed MoU’s with the industries like KPIT, TATA ELXSI, SANDHAAR TECHNOLOGIES, Medini Pvt. Ltd., Paradigm Environmental strategies, EDGATE-Texas Instruments, STEINBEIS INDIA, Federal Mogul Geotz Limited, NDRF - National Design and Research Forum, Bengaluru and Peenya Industrial Association etc... The institute follows OBE through cooperative learning, collaborative learning etc. and also implemented project based learning across all the departments. BMSIT&M is one of the member institutions under Melton Foundation which promotes cross-cultural exchange programs among five nations namely, India, USA, Germany, China, and Chile.

ABOUT THE ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT:
The Department of Electrical and Electronics Engineering (E&EE) started in the year 2003-04 with an approved intake of 60 students. Presently, the Department has five faculty members with Doctoral degrees, and ten faculty members are pursuing their Ph.D. The Department is a recognized VTU Research Centre. The UG Students are encouraged to work on projects with leading Research Organizations in Electrical Sciences. The Department adapted Outcomes Based Education System and also follows Project Based Learning for all the semesters.

Department Vision:
To emerge as one of the finest Electrical & Electronics Engineering Departments facilitating the development of competent professionals, contributing to the betterment of society

Department Mission:
Create a motivating environment for learning Electrical Sciences through teaching, research, effective use of state of the art facilities and outreach activities.

ABOUT THE FDP PROGRAM
Increase in millions of units of electrical energy in transportation systems are predicted over the next few years due to the Electric Vehicle industry and smart grid initiatives. Increasing public awareness of the environmental impact of greenhouse emissions coupled with the development of efficient battery technology has pushed for the accelerating research and development activities in electric vehicles. Electric vehicles (EVs) revolutions offer a cleaner mode of personal transportation and provide a new technology to store energy. Integration of EVs and smart grid present challenges to the grid due to additional distributed storage and load. Intelligent control techniques are needed to mitigate the load impacts and protect components of the distribution network from being overloaded by EVs. The importance of Power Electronics has grown over the years due to several factors. Power Electronics is interdisciplinary in nature and used in a wide variety of areas such as Smart Grid, Electric Vehicle Technology, Renewable Energy Systems etc... Smart Grid technology is an advanced technology developed in the recent years as a critical competence of traditional power networks with reliable and efficient operation across a wide range of industries. Renewable sources of energies are often employed in smart grid and local electricity distribution system which is operated in a controlled way and includes both electricity users and utility. Also, Electric Vehicle is one of the increasing popular options for people who are conscious about environmental pollution, global warming and health issues. The global share of Electric vehicles will increase from 2% in 2020 to 22% in 2030. The ability to deliver the technical information of these three major areas to the right audience at the right time is a valuable skill. This Faculty Development Program (FDP) is designed to enrich the knowledge of the participants and provide a basic platform to carry out research in these fields which will also be useful for the development of the country. This program will focus on need of power electronics for improving the performance of Electric Vehicles and Smart Grid. This FDP will also emphasise on recent advancement in charging infrastructures, battery/energy management approaches and motor drives of the electric vehicles. Overall, this FDP will serve as a platform to upgrade the knowledge of Power Electronic applications in electric vehicles and energy storage systems.

MAJOR TOPICS
- Power Electronic Applications
- Converter and Inverter Systems
- Simulation of dynamic systems
- Smart Grids
- Electric Vehicles systems
- E Mobility and safety issues

REGISTRATION FEE
Registration Fee: Rs. 300/-
Fees may be sent along with registration form in the form of DD in favour of Principal, BMSIT&M payable at Bengaluru

OR
Internet Banking /NEFT details: The Principal, BMSIT&M, Indian Bank, Avalahalli Branch, Bengaluru – 560064
SB A/c No: 21096732049, IFSC: IDIB000A682

Registration Link: https://forms.gle/fBUMp8Sr2jR5dYb67

IMPORTANT DATES
Last Date for registrations: 10th April 2021.
Intimation to the Participants: 11th April 2021
Registration Form

Faculty Development Program on
Power Electronic Applications in
Electric Vehicles & Smart Grid
From 12th to 19th April 2021

Name .............................................
Designation: .....................................
Institution: ........................................
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