

IEEE PES NITC STUDENT BRANCH

in association with

INDUSTRIAL POWER GROUP

Presents



Online Lecture Series

13-18 APRIL 2020



Dr. KUMARAVEL S.
Assistant Professor

Department of Electrical Engineering

"APPLICATIONS OF AI IN ELECTRICAL ENGINEERING "

Session 1: Introduction to AI,
Session 2: Different AI techniques and their applications.
Session 3: Single layer Perceptron and its learning,
Session 4: Multilayer Perceptron and Back-propagation NN,
Session 5: Worked-out examples of MLNN
Session 6: Application of ANN and Conclusion.

APRIL 13-18, 2020 | 10:00AM - 11:30AM IST

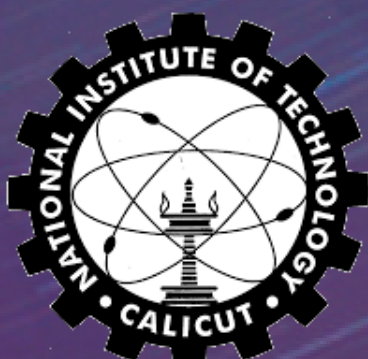
Venue : Google Meet

Registration Link: <https://forms.gle/TYajlvDqpjmS9KHj9>

For more Information

Drop us a mail at :

ieeepes_sb@nitc.ac.in



तमसो मा ज्योतिर्गमय

IEEE PES - NITC Student Branch
National Institute of Technology Calicut
NITC Campus P.O.
Calicut - 673601
Kerala, India

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"Applications of AI in Electrical Engineering"

Dr. KUMARAVEL S

About the Speaker

Dr. Kumaravel Sundaramoorthy has been working as an Assistant Professor in the Department of Electrical Engineering, National Institute of Technology Calicut, Kerala since December 2008. He has acquired B.E. from Bharathidasan University, M.Tech. in Power Systems from National Institute of Technology Thiruchirappalli and Ph.D in Electrical Engineering from National Institute of Technology Calicut, Kerala. Also he has completed his Post-Doctoral Fellowship in the area of Power Converter Applications in Power Systems from University College Dublin, Ireland.

His major areas of research include design and development of non-isolated DC-DC converters, stability enhancement of microgrid, solid state transformers, etc. As on April 2020, he has published 22 research papers in SCI Journals, six in SCOPUS journals and also more than 50 papers in IEEE international conferences held in India and Abroad. He has supervised four PhDs and 40 M.Tech scholars. He has applied two patents and another in pipeline in the area of non-isolated DC-DC converters. He has completed two sponsored research projects and currently he has three ongoing projects under Meity, NAMPET-III and CSIR. He was involved in the development of real time simulation lab and distributed generation lab in NITC campus.

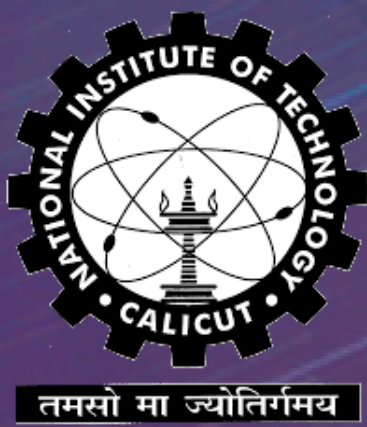
He has organized six MHRD sponsored faculty development programs and several workshops at National Institute of Technology Calicut. He has delivered more than one hundred invited lecturers in the southern states of India. He has received awards such as Kerala State Renewable Energy Award 2018, Visvesvaraya Young Faculty Research Fellowship, Young Scientist Award 2017 of KSCSTE, Outstanding Branch Counsellor Award 2018 from IEEE Kerala section, IEEE PES chapter Outstanding Engineer Award for the year 2016 and VIFA's Young Faculty Award.

He is a senior member of IEEE, the member of ISTE and Institutions of Engineers and the Faculty Co-ordinator for the IEEE Power & Energy Society (PES) NITC Student Branch.

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