

IEEE PES NITC STUDENT BRANCH

in association with

INDUSTRIAL POWER GROUP

Presents



Online Lecture Series

13-18 APRIL 2020



**Dr. KARTHIKEYAN V.
Assistant Professor**

Department of Electrical Engineering

"INTERNET OF THINGS (IOT) AND ITS APPLICATIONS "

Session 1: Fundamentals of IoT and It's Recent Applications

Session 2: Operation principle of various sensors for Real Time Applications

Session 3: IoT enabled Smart Grid Technology & Internet of Energy (IoE)

APRIL 13-15,2020 | 4:00PM - 5:30PM IST

Venue : Google Meet

Registration Link: <https://forms.gle/r1A5m35bf8vHQNMTWA>

For more Information

Drop us a mail at :

ieepes_sb@nitc.ac.in



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

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"Internet of Things(IOT) and its Applications"

Dr. KARTHIKEYAN V.

About the Speaker

A young vibrant individual with 6 years of teaching experience in the engineering field with plenty of workshops and seminars experience. His recent expert lectures include Solar PV grid tied and off-grid system, Internet of Things and Its Application, Smart Grid and Management, Advancement in Power Converters and Recent Research Challenges in Renewable Energy Systems and Energy Storage System.

He has acquired his M.E. in Power Electronics and Drives from Anna University Coimbatore and Ph.D. in Electrical Engineering under the specialization of "Performance Enhancement of DAB Bidirectional DC-DC Converter for Energy Storage Applications".

His major areas of research are Analysis and topological approach in DC-DC and DC-AC converters, XSG and VHDL code for the hardware-in-loop system, Electric vehicles and its charging infrastructure and Peak demand control and Energy Management in DC and AC Microgrid. He also has patented "A novel cascaded multilevel isolated bidirectional dc-dc converter and its operation thereof".

He has published research papers in SCI journals, 3 book chapters and 12 papers in IEEE international conferences held India and abroad. He is also the recipient of various Best paper awards in various international conferences. He also bagged Best Faculty award at junior grade in 2017. He was also involved in the development of IOT lab in NITC campus. Although most of his work and research is in power electronics, he has recently shifted most of his time and effort towards the Internet of Things. Today he gives guidance to M.Tech and Ph.D students and researchers working on the Internet of things and other areas as well such as power converters.

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