

**Report on
Webinar on**

“Power Quality Events Monitoring System using Signal Processing Techniques on an Embedded Platform”

Organized by Department of Electrical & Electronics Engineering

04.03.2023



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION) www.mits.ac.in
Madanapalle-517325, Annamayya Dist., Andhra Pradesh

Guest Lecture on
"Power Quality Events Monitoring System using
Signal Processing Techniques on an Embedded Platform"
In association with IEEE & ISTE student chapters

Resource Person 
Mr. Buduru Naveen Kumar
R&D Signal Processing Engineer,
Nanoprecise.io, Bangalore.

DATE
04/03/2023
Time
11.00 AM to 1.00 PM

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Dr. A V Pavan Kumar
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Coordinator
Dr. Gumpu Sreenivasulu
Assistant Professor, EEE Department.

Department of Electrical and Electronics Engineering

Submitted by :Dr. Gumpu Sreenivasulu, Assistant Professor, Dept. of EEE.

Report Received on 10.03.2023

Organized in association with: IEEE and ISTE student chapters, MITS Madanapalle.

Attendance: 68 participants (Internal) and 10 faculties

The programme is started at 11.00 AM to 12.30 PM with a welcome address to all the audience by the Dr. A V Pavan Kumar, H.O.D, EEE, MITS, Madanapalle. The resource person Mr. Naveen Kumar, R&D Signal Processing Engineer in Nanoprecise.io, Bangalore, was introduced by Dr. Gumpu Sreenivasulu, Assistant Professor, Dept. of EEE.

The resource person started the session by extending his hearty thanks to the participants, IEEE and ISTE coordinators, executive members, HoD, Principal and Management of MITS Madanapalle for giving him opportunity to share his knowledge and experience in “Power Quality Events Monitoring System using Signal Processing Techniques on an Embedded Platform”.

The resource person highlighted the various types of power quality issues and their detection techniques. Also, he focused on the various challenges in the detection of power quality events. Besides, the growth in the market and opportunities in this area are being discussed during the session. The distinguished speaker discussed the research challenges in the detection of PQ events and various PQ detection techniques. Also, the basic architecture of PQ detection approaches is elaborated by Mr. Buduru Naveen Kumar. During the session, the major opportunities and design of hardware setup are being focused on by the speaker. Besides, the prominent resource person pointed out that there are huge number of opportunities for the engineering graduates in recent decades. Moreover, possibilities and innovations in this sector are being highlighted during the session.

The outcome of the webinar is students were made aware of how to clearly define problems, how to find an innovative solution of the problems and how to manage risk while trying to introduce new products to the markets. At the end, the prominent speaker underlined the career opportunities for graduates. Also, the speaker assured to help the participants/students for any kind of research guidance.

