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**04.03.2020**

**IEEE Student Branch Activity Report for February 2020 – Distinguished Lecture by Dr. M. Sabarimalai Manikandan on 14.02.2020**

The IEEE Student Branch of National Institute of Technology – Tiruchirappalli organized a distinguished lecture on “Signal Processing Techniques for IoT Enabled Wide-Area Smart Grid Monitoring System” on February 14, 2020. Dr. M. Sabarimalai Manikandan, Assistant Professor, School of Electrical Sciences, IIT Bhubaneswar spoke on the topic. Dr. Manikandan explained the problems faced by smart grids and introduced methodologies for providing solutions. Dr. Manikandan elaborated on the possibility of using signal processing techniques for monitoring the smart grids and also introduced his own algorithm for doing the same. With IoT finding applications in vast areas of engineering, Dr. Manikandan presented another interesting application of IoT combined with signal processing for making life easier. The event was attended by UG, PG and PhD scholars from EEE and ECE departments of NIT – Tiruchirappalli. Dr. Manikandan concluded his presentation by encouraging the PG students to take up research work after their degree course.

The snapshots of the event can be accessed in the following link: <https://drive.google.com/open?id=1MBX8pbyHF3QLnKkSqhkY6atvMLyqBc7E>

