



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING AND TECHNOLOGY
ECR , MAMALLAPURAM-603104

GUEST LECTURE REPORT

POWER SYSTEM ANALYSIS

Guest Lecture was conducted by the department of EEE on **03.10.2023** from 10.00 am to 1.00 pm. Chief guest **Dr.N.P.Subramaniam, Associate Professor, DE Puducherry Technological University** has taken a lecture on topic “**POWER SYSTEM ANALYSIS** “. Total of around 60 students and 15 faculty members participated in this programme.

The speaker explains about the need for system planning and operational studies of power analysis. He also explained about the classification of buses and power flow solution using Newton Raphson, Gauss seidal & fast decoupled method. The lecture also discussed about the possibilities and reach abilities of research and development in EEE field, opportunities in core technical areas with authenticated explanations.

The recent works on projects handled by their team are discussed and finally research directions in the area of recent technologies are shared with the participants. A detailed explanation about balanced and unbalanced fault analysis with various examples is shared to our participants. Regarding power system stability using SMIB system also been discussed in session.

After his lecture, quiz session is conducted and the students were given time to interact with him. Students felt that the session was more informative and interactive. At the end of the guest lecture, two students gave their feedback, and explained how they were benefited.



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