SRI SRINIVASA EDUCATIONAL AND CHARITABLE TRUST
SAPTHAGIRI COLLEGE OF ENGINEERING
(Affiliated to Visvesvaraya Technological University, Belgaum, Approved by AICTE, New Delhi)
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560 057.

Department of Electrical and Electronics Engineering

REPORT ON

OPEN WEBINAR ON

"MiPOWER SIMULATION STUDIES"

CONDUCTED ON

19/12/2020

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REPORT:

An open webinar on "MiPower Simulation Studies" was conducted on 19/12/2020 in association with M/s. Power Research Development Consultants Pvt. Ltd (PRDC).

Dr. R Nagaraja, Founder and Managing Director, PRDC has given consent to be speaker for the webinar. PRDC is a pioneer in developing solutions for various power system network based issues/problems arising in the world. This webinar was conducted for the Final year students of EEE and faculty members from various institutions in Karnataka. The no. of participants was 92.

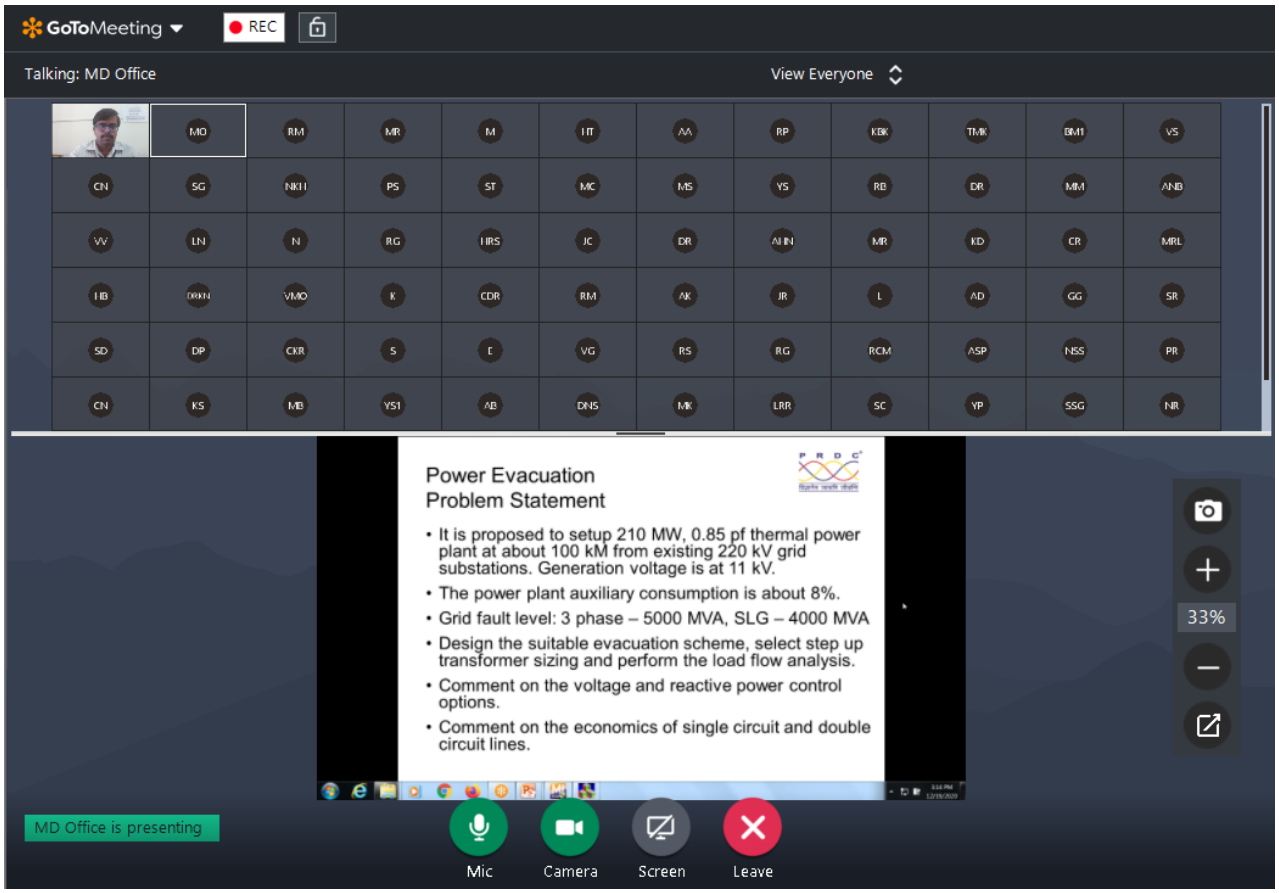
The webinar was conducted as per the following schedule.

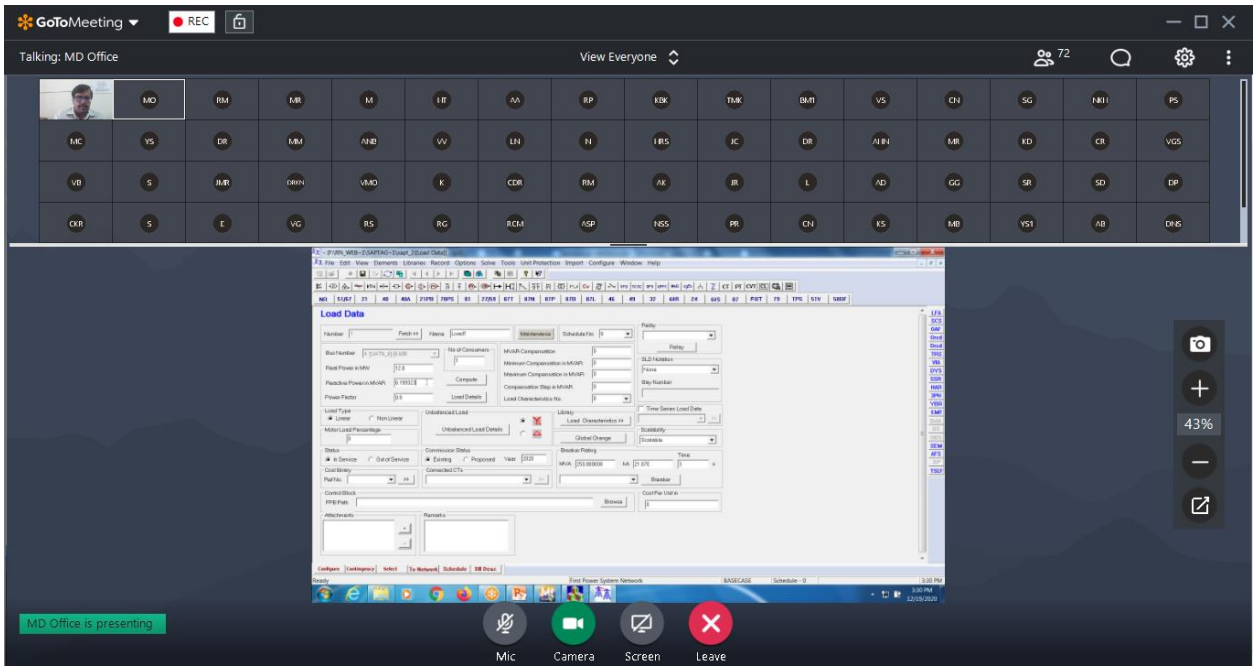
- 1.45 PM to 2.00 PM: Inauguration
- 2.00 PM to 2.45 PM: Load flow studies
- 2.45 PM to 3.00 PM: Short break/interactions
- 3.00 PM to 3.45 PM: Fault studies
- 3.45 PM to 4.00 PM: Short break/interactions
- 4.00 PM to 4.45 PM: Stability studies
- 4.45 PM to 5.00 PM: Interactions
- 5.00 PM to 5.10 PM: Valedictory

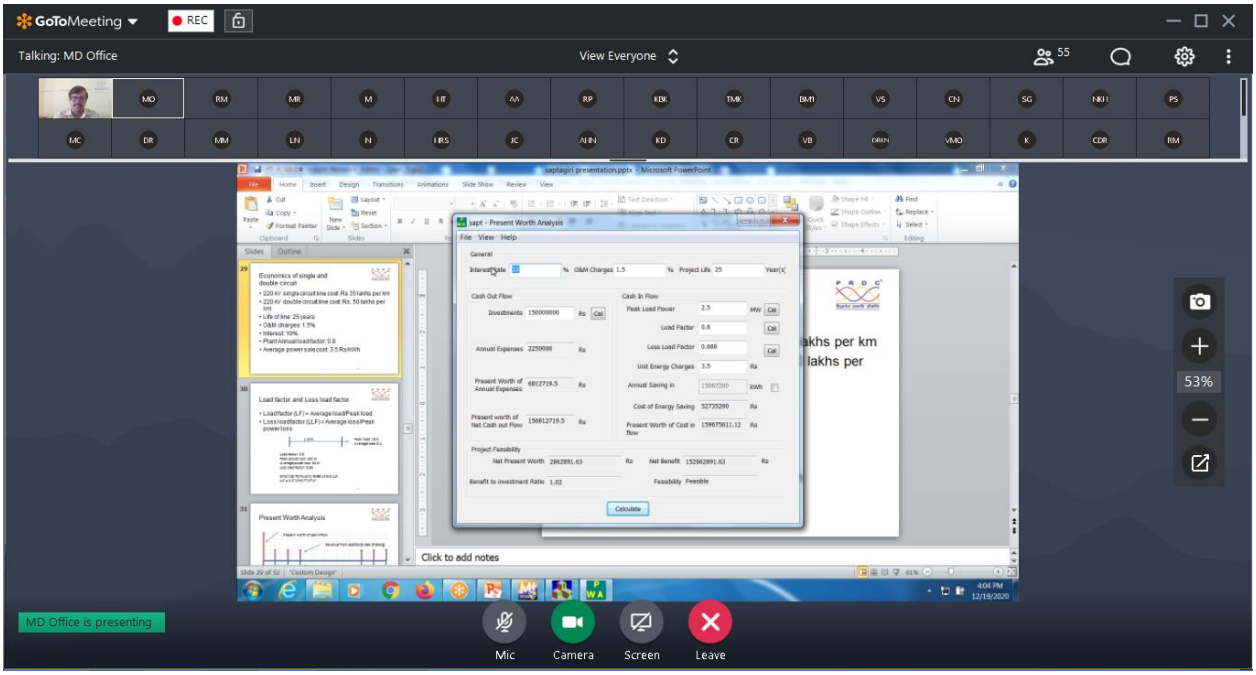
Dr. R. Nagaraja, was given detailed view of Load Flow studies using "MiPower" software for a sample power system with various Load Flow solution methods, such as, FDLF, Gauss-Seidel and Newton Raphson. Overview of various fault studies were also presented with sample system for LG, LL, LLG and LLLG. The Stability studies were carried out in this webinar with a background of Swing equation under different fault conditions using Modified Euler's method and Point-by-Point method.

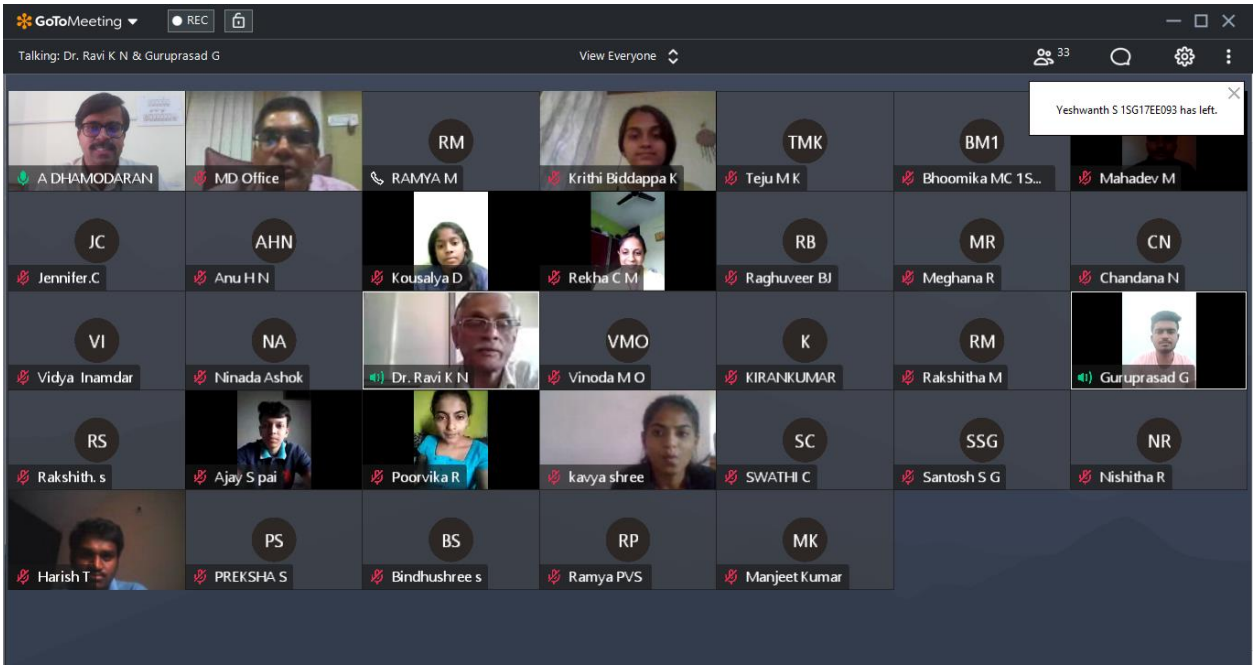
This webinar satisfies the need of introducing the power system simulation studies using the "MiPower" software for the students in 7th sem.

The snapshots for the open webinar are given below.









Webinar Coordinators

1) Mr. A Dhamodaran
2) Mrs. Ramya M HoD, Dept. of EEE
3) Mr. Mahavishnu K B P