

REPORT ON

Guest Lecture - Evolving Technologies & Progressive Markets in Power Systems

With rapidly changing technological scenario in the ever-increasing global digitalization & connectivity, as well as competitiveness in modern times, the role of technical education in economic development has become very significant and challenging.

The need for well-qualified engineers & professionals is more critical with complex problems & global challenges. Further, making the educational curricula and training more conducive to the technological developments are becoming a top priority.

Increasing innovation are the hallmark of development of the institution and nation. The students should be able to increase own attitude towards creativity and innovation and should comprehend the creativity and innovation and apply them in research and development was the main aim of the session and following are the main highlights of the session.

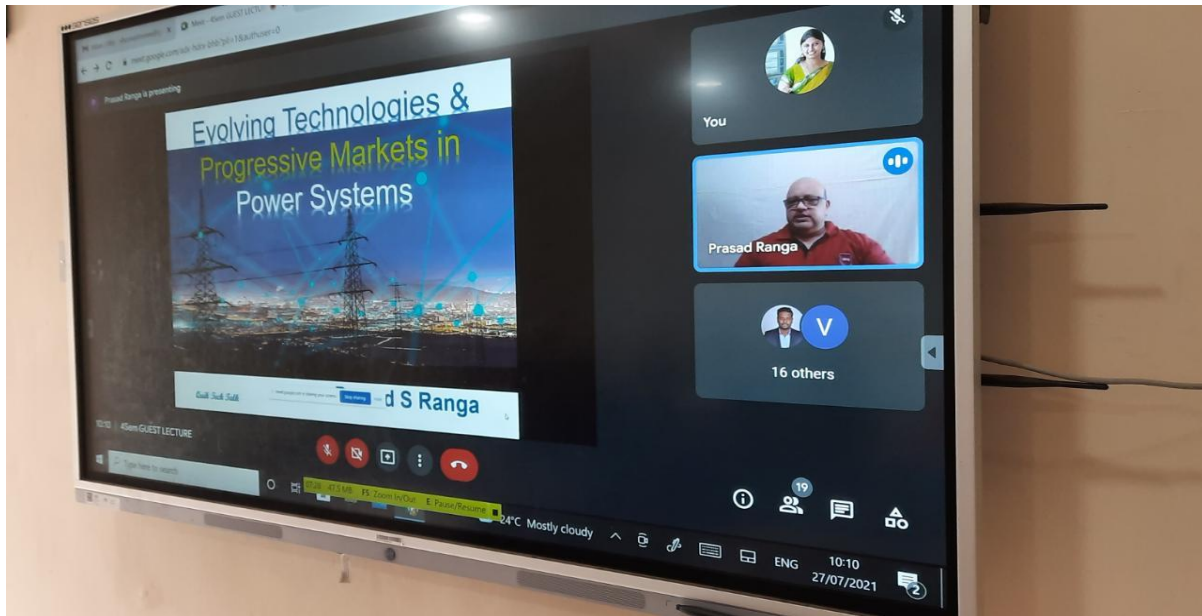
Power systems is shifting gears towards newer technological platforms.

1. Grid strengthening through HVDC & FACTS
2. Alternate power transmission methods
3. Security through Battery Storage Systems
4. Rise of Micro-generation and Micro/Nano Grids
5. Evolution of Smart Grids with self-healing capabilities
6. Smart Home incorporating Smart Metering & Smart Consumption
7. EV Technologies
8. Smart Cities & Smart Industries
9. Focus changing from Flow of Electricity to Flat of Data
10. New Concepts become part in implementing Smart Grids: IoT, AI & ML, Edge Analytics, Digitization & Digitalization.

With the explosion of data and information and also the evolution of new technologies, it is imperative the technical sessions should integrate core engineering knowledge in Power Systems with Emerging Technologies, Recent Product Developments & New Market Trends.

Under the Venture “**QuikTeckTalk(QTT)** ”, expert have been working with various Institutions (including NPTI), to bridge the gap between organically evolving academia and exponentially growing technological advancements.

The students should be able to increase own attitude towards innovation and apply them in research and development initiatives. Participated students are from 4th semester EEE shared their positive feedback with the expert **Mr.Prasad S Ranga**, is from **QTT**, for Services on Technical Training, Skill Development & Student Innovation & Product development Modules India. Session was organized via GOOGLE meet online platform on 27th JULY 2021 at 10am for two hours and few students attended in NHCE-EEE ,SMART CLASS ROOM.



Session organized in NHCE-EEE-SMART board via GOOGLE Meet



Session attended by students and staff in SMART CLASS ROOM

This would be a key part, in equipping the young engineers with the knowledge & skills to prepare them better to face diverse industry careers.

(Co-Ordinator)
Prof.RASHMI N

(HOD-EEE)
Dr.M.Mahesh