



K. L. E. SOCIETY'S

K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI-30.

(Approved by AICTE, New Delhi, and Affiliated to VTU, Belagavi & ISO 9001:2015 Certified)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(NBA Accredited program)

IEEE PES sponsored

Women in Power and Engineering (WIPE) - A flagship event

Organized by IEEE PES Bangalore Chapter and

Hosted by Electrical and Electronics Engineering Department, KLEIT, Hubli

The women in power engineering –a flag ship event was held on 29-08-23. In this event, the technical talks were arranged by the women who have contributed in the field of power and energy. The resource persons are

Resource persons:

1. Mrs.B.R.Sushma, Scientist E, DRDO, Bangalore
2. Mrs.Sharanamma Jangin, Chief Engineer, HESCOM, Hubballi

The schedule of the event

Registration: 9:00 am to 10:00 am,

10:00 am to 10:30 am	10:30am to 10:45am	10:45 am to 12:30 pm to 01:45 pm	1:45 pm to 2:30 pm	2:30 pm to 3.30 pm	3:30pm to 4:45 pm	4:45 pm to 5:30 pm
Inauguration	Tea break	1.Lecture By Mrs.Sushma B.R. Scientist grade E, DRDO, Bangalore On “Power conversion Techniques in Radar system used for defense applications” 2. Lecture by Mrs.Jangin Superintendent Engineer, HESCOM, Hubli On Development of Karnataka electricity board –History, developments, targets etc	Lunch break	3. Lecture By Mrs.Sushma B.R. Scientist grade E, DRDO, Bangalore “A case study on controller application in radar system”	Technical quiz for participants and the Evaluation	Valedictory

The resource person Mrs. Sushma B.R. discussed in detail the generation of high voltages and power converters used in radar systems.

The presentation was about the power conversion techniques in Radar Transmitters.

1. The introduction was about the requirement of power conversion and the power converters, different types of power conversion techniques elaborating the basic power converters.
2. Introduction to the transmitters, different types of transmitters and its applications were presented discussing in detail about the Radar transmitters and its subsystems.
3. Introduction to the Radar, its basic operation and its applications and in brief about the Radar transmitter. Subsequently the power conversions in each stage of the transmitter power supply is brought out in the presentation in detail viz., AC/DC conversion.
4. High voltage high frequency generation techniques and its requirements and complexities in designing the same.
5. Specifications of the different power converters, how they are achieved using different power conversion techniques.

In the afternoon session the resource person has discussed the case study in the design of the power supply of the radar transmitter covering different power conversion techniques at each stage of the power supply.

The resource person **Mrs.S.Jangin** has discussed the following points in her presentation

1. Role and responsibilities of women in the sector power and energy systems
2. Challenges for women in power engineering
3. Women Pioneers' in power and energy sector
4. Opportunities and support system for women in power engineering
5. Gender equality
6. Developments and Structure of Karnataka power sector and electricity board.

The students from eight different nearby engineering colleges (Jain college of Engineering and research, Belagavi, KLE Sheshgeri college of Engineering and Technology, Belagavi, GIT, Belagavi, SDMCET, Dharwad, KLE Technological University, Hubballi, TCE, Gadag, BEC, Bagalkot, KLEIT, Hubballi) have participated. Nearly 130 students have taken part in the event. The certificates are issued to the participants and also to the winners of the quiz competition.



KLE Society's
KLE INSTITUTE OF TECHNOLOGY, HUBBALLI
(Affiliated to VTU, Approved by AICTE and ISO 21001:2018 Certified Institute)
ALL THE UG PROGRAMS ARE NBA ACCREDITED



Speakers



Smt. Sushma B. R
Scientist E, LRDE,
DRDO, Bengaluru



Smt. Sharanamma Jangin
SE, O&M circle,
HESCOM, Hubballi

A Flagship Event

WOMEN IN POWER ENGINEERING

Organized By

IEEE PES Bangalore Chapter

hosted by **IEEE PES CHAPTER**

on

— 29-08-2023 from 10 A.M. to 5 P.M. —

Dr. Kumar Swamy V.
Student Branch Counselor
KLEIT IEEE STB15221

Dr. Vinoda S.
KLEIT IEEE PES
Branch Chapter adviser

Dr. Chandrashekhar R. Atla
Chair, IEEE-PES
Bengaluru Chapter

Dr. Manu T. M
Dean Academics
KLEIT, Hubballi

Dr. Sharad G. Joshi
Principal
KLEIT, Hubballi

Size- 8.5x4.5ft

The response for the event was good. The principal of the college appreciated the event.