NARAYANA ENGINEERING COLLEGE::NELLORE

DEPARTMENT OF EEE

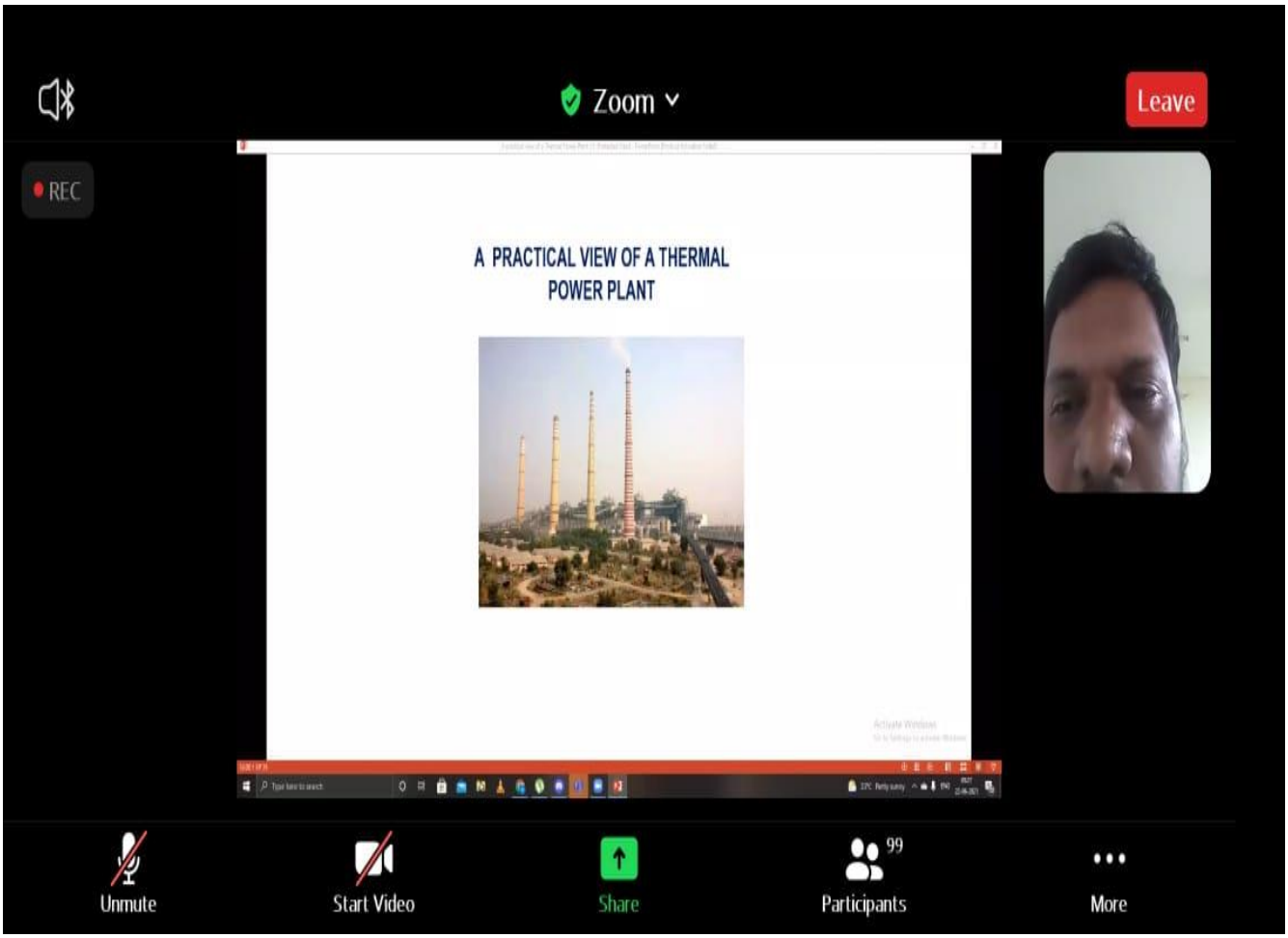
REPORT ON GUEST LECTURE

1	Name of the Activity/Event	"MODREN TRENDS IN SUBSTATION"		
2	Date of Activity/Event	25-04-2021		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person/guest/organization	T.Venkateswarlu Assistant Engineer APSPSDCL Nellore		
6	Type of activity/Event	Seminar		
7	Activity/Event objectives	1. knowledge on Distributed control systems.		
8	Participation	Students	Faculty	Total Participation
		96	**03**	**99**
9	General remarks	1. Lack of Time 2. Not audible to last row		
10	Suggested Improvements	Need full day session		
11	Enclosures	1.photos 2.attendance report		

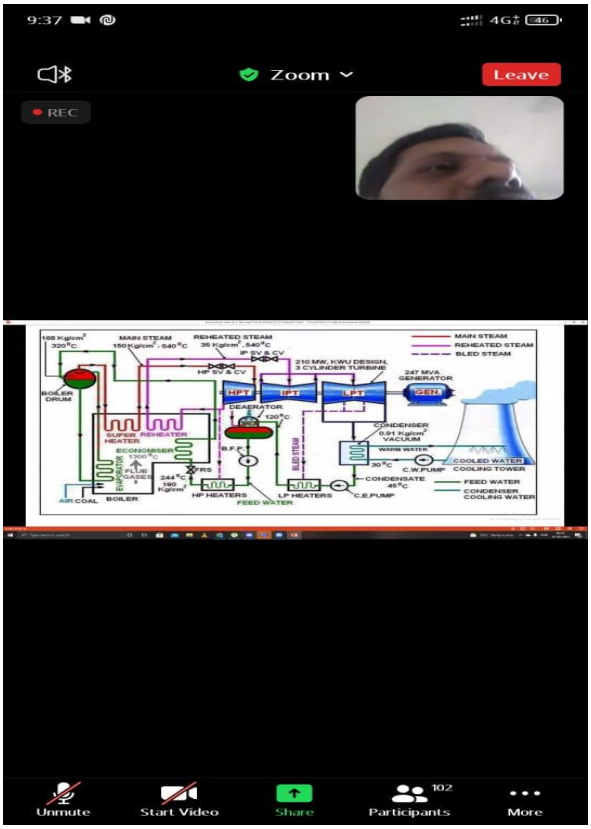
On 22/7/2021 Narayana engineering college, Nellore EEE Department Organized a Guest lecture on "MODREN TRENDS IN SUBSTATION". The session was conducted through online mode by using zoom app and the resource person of the program is T.Venkateswarlu,Assistant Engineer , APSPDCL ,Nellore. In this lecture they discussed about today most of the electricity produced throughout the world is from steam power plants. However, electricity is being produced by some other power generation sources such as hydropower, gas power, bio-gas power, solar cells, etc. One newly developed method of electricity generation is the Magneto hydro dynamic power plant. This paper deals with steam cycles used in power plants. Thermodynamic analysis of the Rankine cycle has been undertaken to enhance the efficiency and reliability of steam power plants.

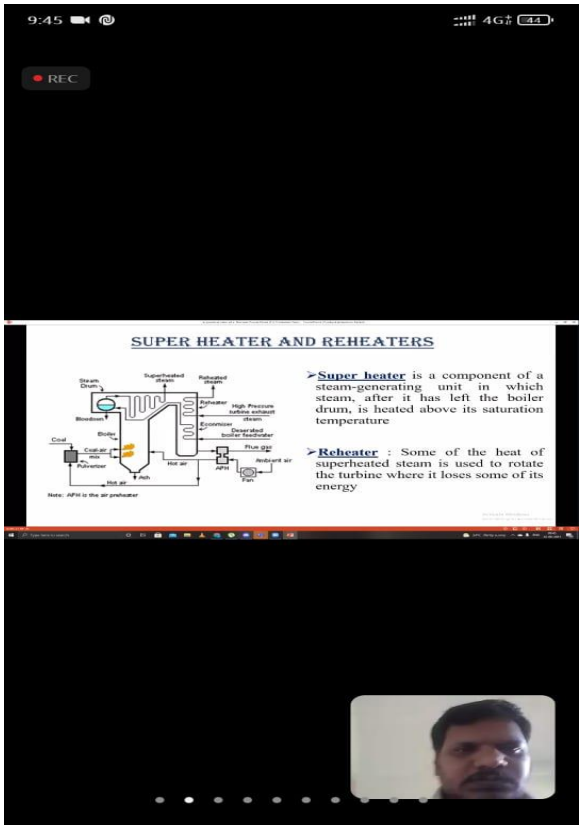
The thermodynamic deviations resulting in non-ideal or irreversible functioning of various steam power plant components have been identified. A comparative study between the Carnot cycle and Rankine cycle efficiency has been analyzed resulting in the introduction of regeneration in the Rankine cycle. Factors affecting efficiency of the Rankine cycle have been identified and analyzed for improved working of thermal power plants.

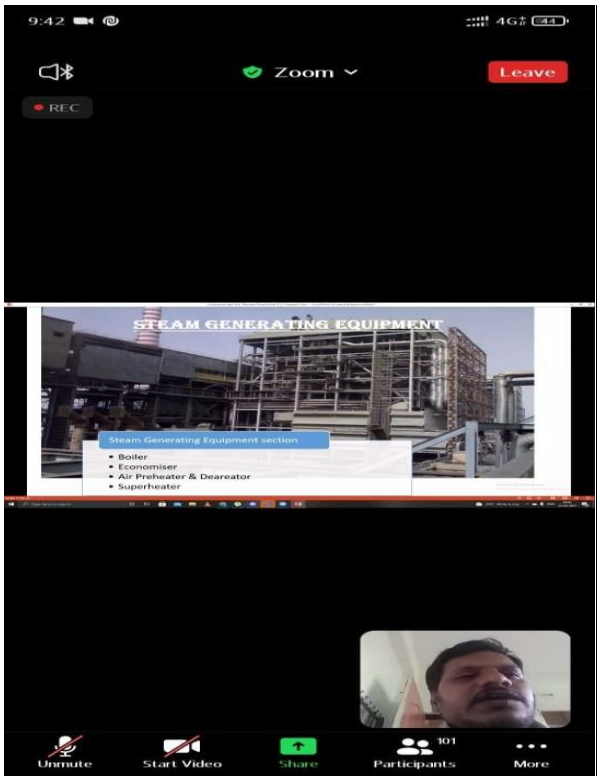
This program was co-ordinate with the help of 2 Faculty members.

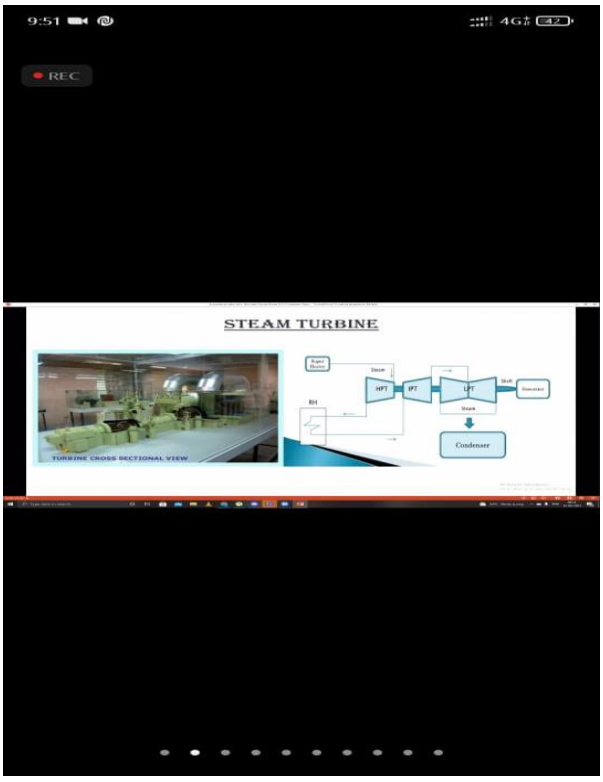


Guest introduction





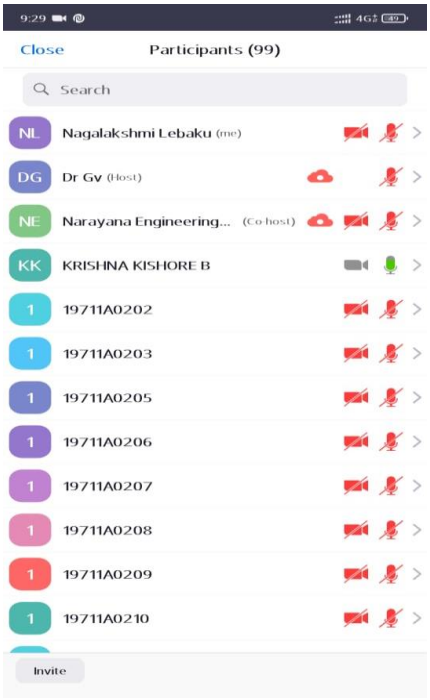


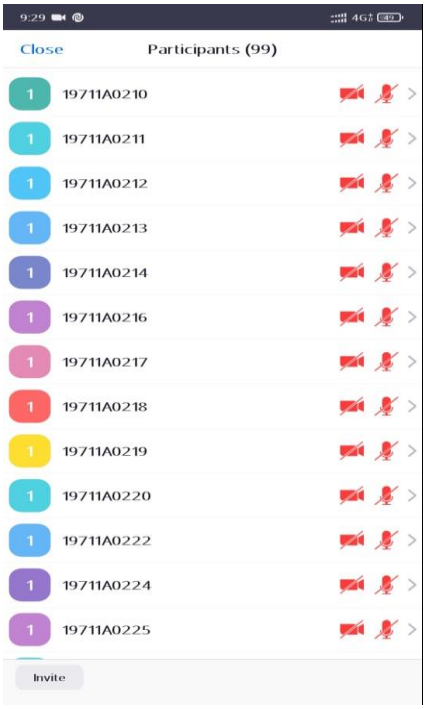


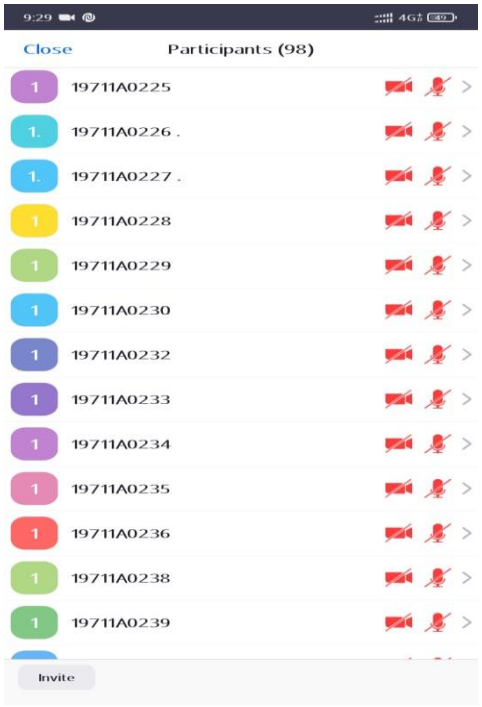
Concepts Explanation

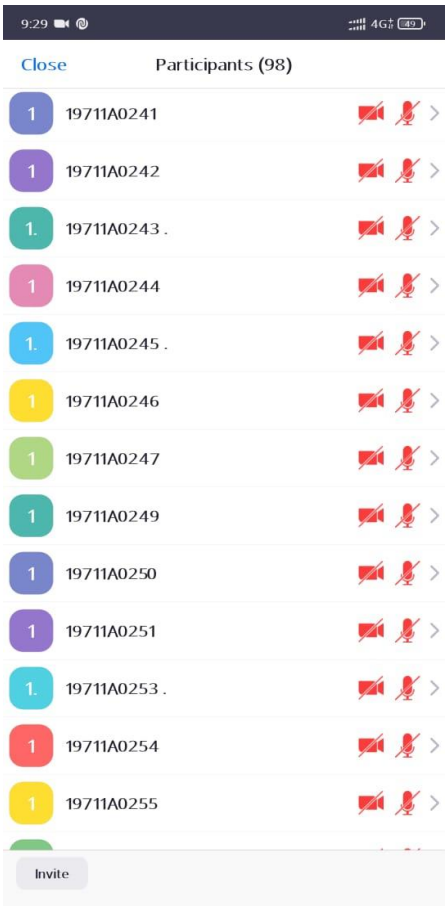
HOD PRINCIPAL

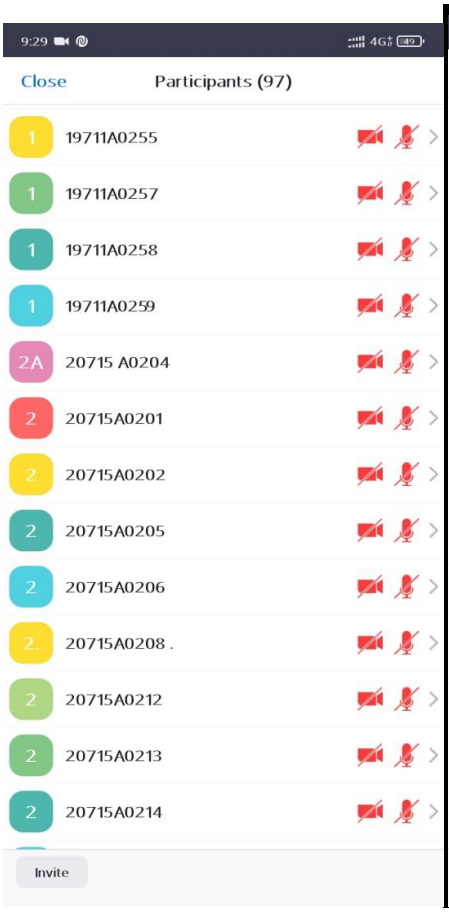
Attendance sheets











CIRCULAR

Nellore,
17/04/21.

All the II B.Tech EEE Students are here by informed that a Guest lecture on **"A** MODREN TRENDS IN SUBSTATION" is going to be conducted by Department of EEE on 25-0-21. Therefore, all the students must be attend the Program without fail.

Resource person :
T.Venkateswarlu
Assistant Engineer
APSPSDCL
Nellore

Time:
9.30 AM to 10.30AM

HOD

PRINCIPAL

NARAYANA ENGINEERING COLLEGE::NELLORE

DEPARTMENT OF EEE

REPORT ON GUEST LECTURE

1	Name of the Activity/Event	"CHOPPERS AND REGULATORS"		
2	Date of Activity/Event	20-1-2021		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person/guest/organization	SHAURYA SABHARWAL, Hitachi Hi-Rel Power Electronics, Bangalore, Karnataka-560010		
6	Type of activity/Event	GUEST LECTURE		
7	Activity/Event objectives	1. knowledge on Distributed control systems.		
8	Participation	Students	Faculty	Total Participation
		98	02	100
9	General remarks	1. Lack of Time 2.Not audible to last row		
10	Suggested Improvements	Need full day session		
11	Enclosures	1.photos 2.attendance report		

On 20/1/2021 Narayana engineering college, Nellore EEE Department Organized a Guest lecture on "CHOPPERS AND REGULATORS". The session was conducted by our college Alumni Mr. SHAURYA SABHARWAL, Asst.engineer Hitachi Hi-Rel Power Electronics, Bangalore, Karnataka-560010. In this session they discussed about dc-to-dc converters and the dc-to-dc converter products are used extensively for divers applications in the healthcare (bio-life science, dental, imaging, laboratory, medical), communications, computing, storage, business systems, test and measurement, instrumentation, and industrial equipment industries. They are used in electric motor drives, in switch mode power supplies (SMPS), trolley cars, battery operated vehicles, traction motor control, control of large number of d.c. motors, etc. They are also used as d.c. voltage regulators. Total 100 Students are participated in this program.

This program was co-ordinate with the help of 2 Faculty members.

Guest addressing the students

Concepts explanation

HOD PRINCIPAL

CIRCULAR

Nellore,
18/01/21.

All the III B.Tech EEE Students are here by informed that a Guest lecture on **"CHOPPERS AND REGULATORS"** is going to be conducted by Department of EEE on 20-01-21. Therefore, all the students must be attend the Program without fail.

Time: 2.00 PM to 3.00PM

HOD **PRINCIPAL**

NARAYANA ENGINEERING COLLEGE::NELLORE

REPORT ON GUEST LECTURE

1	Name of the Activity/Event	"SCADA APPLICATIONS IN POWER SYSTEM"		
2	Date of Activity/Event	18-11-2020		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person /guest/organization	K.SARASWATHI CHANDRA, Marketing engineer, Hyderabad		
6	Type of activity/Event	GUEST LECTURE		
7	Activity/Event objectives	2. knowledge on Distributed control systems.		
8	Participation	Students	Faculty	Total Participation
		72	02	74
9	General remarks	3. Lack of Time 4.Not audible to last row		
10	Suggested Improvements	Need full day session		
11	Enclosures	1.photos 2.attendance report		

On 18/11/2021 Narayana engineering college, Nellore EEE Department Organized a Guest lecture on " SCADA APPLICATIONS IN POWER SYSTEM". The session was conducted by our college Alumni Mr.K.SARASWATHI CHANDRA, Marketing engineer,hyderabad. In this session they discussed about Supervisory control and data acquisition (SCADA) is an industrial control system which is used in many modern industries like energy, manufacturing, power, water transportation, etc. SCADA systems organize multiple technologies that allows to process, gather and monitor data at the same time to send instructions to those points that transmit data. In today's world, almost anywhere you can observe SCADA systems, whether it's a waste water treatment plant, supermarkets, industries or even in your home. Total 202 Students are participated in this program. This program was co-ordinate with the help of 2 Faculty members.

Mr.Saraswathi Delivering the lecture

HOD PRINCIPAL

NARAYANA ENGINEERING COLLEGE::NELLORE

(Approved by AICTE, New Delhi and Permanently
Affiliated to JNTUA, Ananthapuramu. *A' grade by Govt. of AP.)* Narayana Avenue, Nellore -524004

DEPARTMENT OF EEE

CIRCULAR

Nellore,
16/11/20

All the IV B.Tech EEE Students are here by informed that a Guest lecture on **"SCADA APPLICATIONS IN POWER SYSTEM"** is going to be conducted by K.SARASWATHI CHANDRA, Marketing engineer, Hyderabad on 18-11-20. So all the students must attend the guest lecture without fail.

HOD **PRINCIPAL**

NARAYANA ENGINEERING COLLEGE::NELLORE

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Approved by AICTE, New Delhi & Permanently affiliated to JNTUA, Ananthapuramu, ISO 9001-2015
Certified Institution, Recognized by UGC U/S 2(f) & 12(B) and "A" grade by Govt. of AP, Nellore

Date: 11-01-2021

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Report of Guest lecture Programme
On
" KEY ISSUES AND CHALLENGES IN SMART GRID TECHNOLOGY"

1	Name of the Activity/Event	One Week Online Faculty Development Programme on **"KEY ISSUES AND CHALLENGES IN SMART GRID TECHNOLOGY"**		
2	Date of Activity/Event	From **04-01-2021 to 09-01-2021**		
3	Organized by/Name of the committee	EEE Department		
4	Place of Activity/event	ZOOM		
5	Resource person/guest/organization	Dr. S Ravindra, Professor in Department of EEE, VVIT Guntur. Dr. T. Rama Rao, Professor in Department of EEE, BV Raju Engineering College, Bheemavaram.		
6	Type of activity/Event	One week online Faculty Development Programme		
7	Activity/Event objectives	1.Introduction to Smart Grid Applications in power Systems 2. What is Key Issues And Challenges In Smart Grid 3. What Is Prompting Smart Grid Development 4. Inadequate grid infrastructure, low metering efficiency 5. Solutions To Overcome Barrier In Implementation		
8	Participation	Students	Faculty	Total Participation
		96	2	98
9	General remarks	1. Less Explanation on Smart Grid Development. 2. Less explanation about in industrial Applications.		
10	Suggested Improvements	More Explain about Smart Grid Development		
11	Enclosures	1. Report. 2. Photos. 3. Attendance Sheet.		

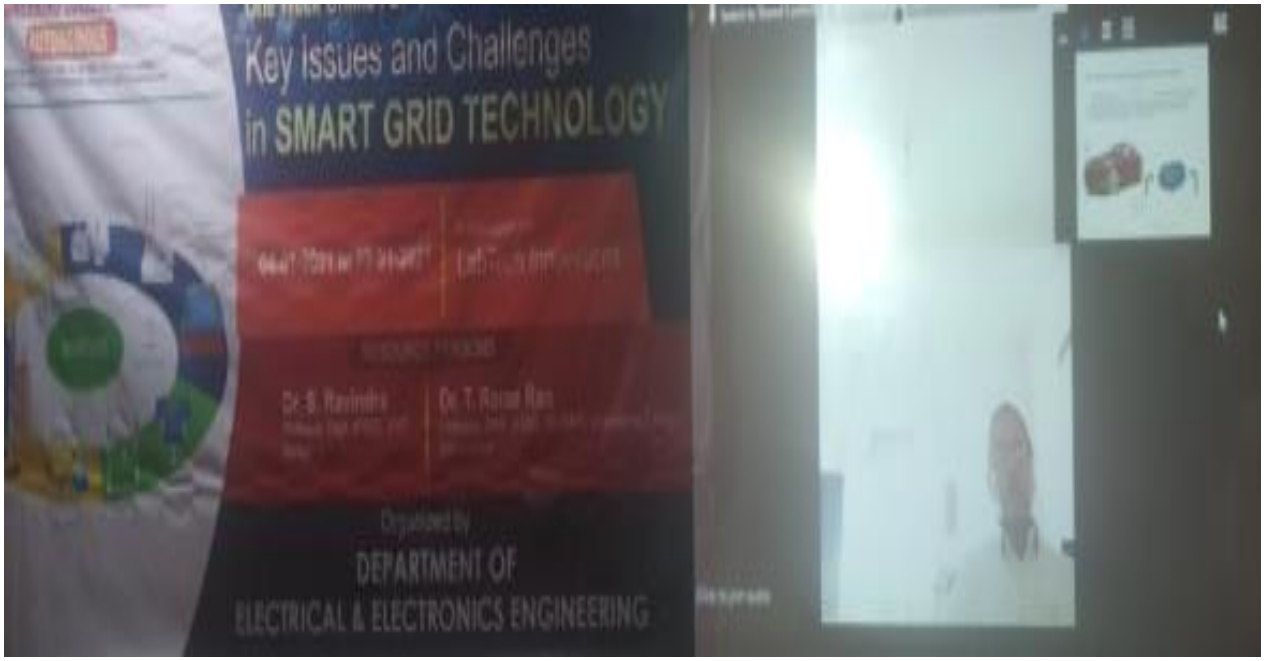
A guest lecture Programme on **" KEY ISSUES AND CHALLENGES IN SMART GRID TECHNOLOGY"** was organized by Department of Electrical & Electronics Engineering at Narayana Engineering College, Nellore, from 04th to 09th Jan 2021, in online mode using ZOOM app.

The Resources persons of this Programme, was Dr. S Ravindra, Professor in Department of EEE,VVIT, Guntur and Dr. T. Rama Rao, Professor in Department of EEE, BV Raju Engineering College, Bhemavaram., 43 faculty members attended this program, out of this 21 members were from dept. of EEE and 22 members were from other colleges.

Inaugurating the guest lecture

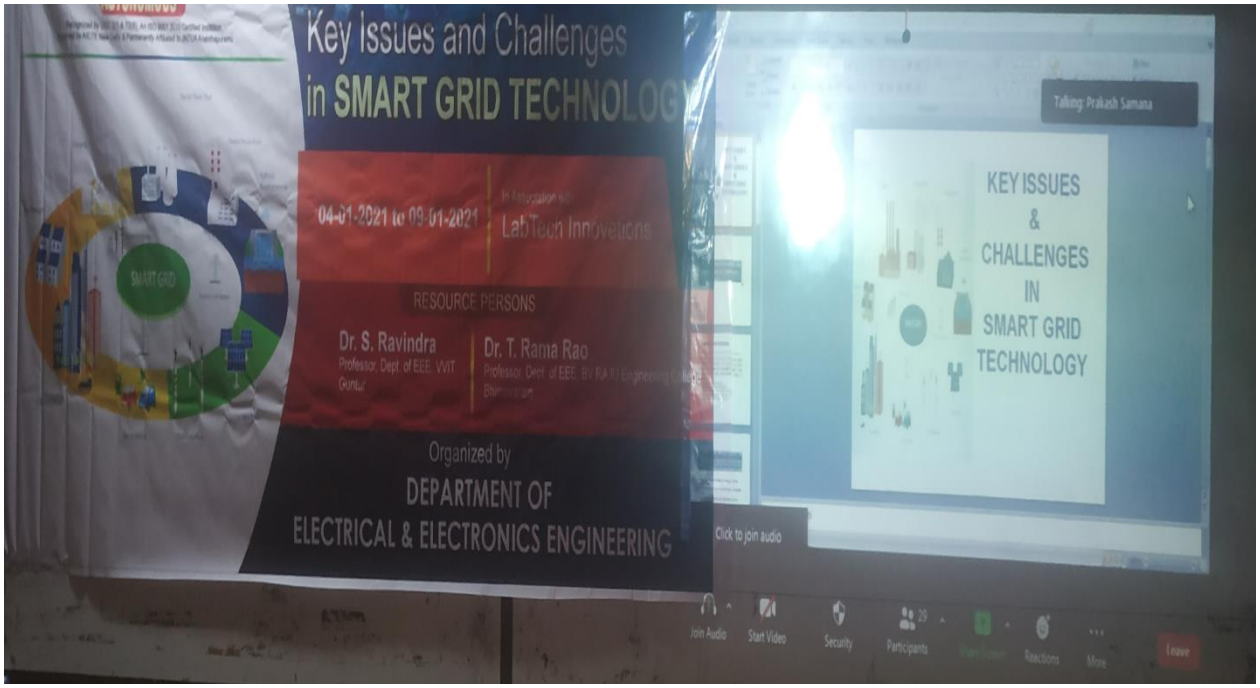
in the morning session, the guest lecture begins with Registration & Inauguration, after a break the resource person started with introduction of the program objectives to the participants. Afternoon session covered the Introduction to Smart Grid Applications in power System.

the Resource person Dr. S Ravindra discussed about the What is Key Issues And Challenges In Smart Grid. Speaker also explained about the What Is Prompting Smart Grid Development.



Concepts explanation

Also discussed about Barriers in Implementation of Smart Grid, Solutions to Overcome Barrier in Implementation and How to Achieving Greater Efficiency In Energy Delivery



the Programme Resource person has discussed about The Key Issues occur in implementation of **Smart Grid** in Indian power sector specially transmission and distribution poses a number of issues such as minimizing T&D losses, power theft, inadequate grid infrastructure, low metering efficiency and lack of awareness are the major concern of this guest lecture.

All the participants have appreciated the department for organizing the guest lecture .Program was ended with vote of thanks by Dr. B AKHIB KHAN, Assoc. Prof.EEE Dept. & Coordinator of the guest lecture. At the end of the valedictory program, certificates were distributed to the participants.

HOD-EEE