

Date: 11-01-2021

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Report of Faculty Development Programme

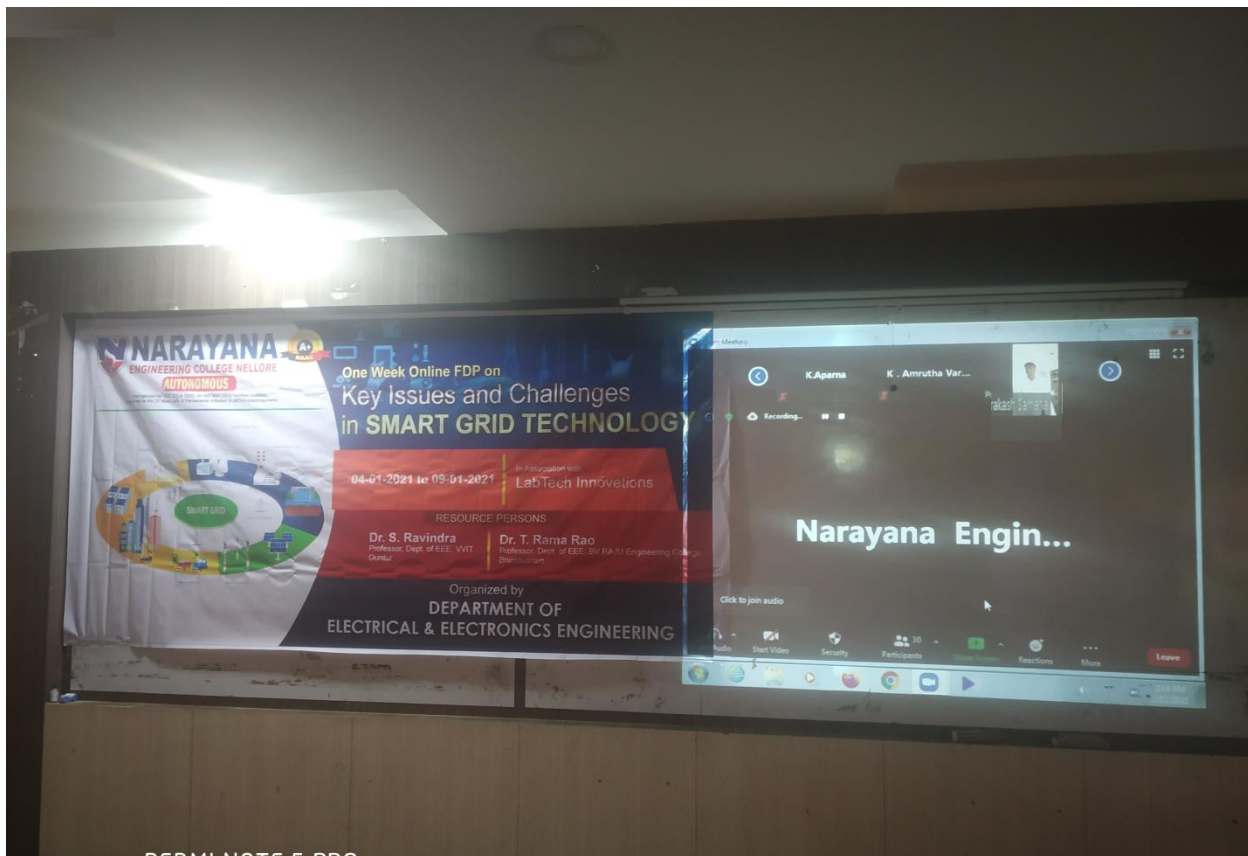
On

### “ KEY ISSUES AND CHALLENGES IN SMART GRID TECHNOLOGY”

1	Name of the Activity/Event	One Week Online Faculty Development Programme on <b>“KEY ISSUES AND CHALLENGES IN SMART GRID TECHNOLOGY”</b> in association with <b>LAB TECH INNOVATIONS.</b>		
2	Date of Activity/Event	From <b>04-01-2021 to 09-01-2021</b>		
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	<ol style="list-style-type: none"> <li>1.Introduction to Smart Grid Applications in power Systems</li> <li>2.Explaining the Key Issues And Challenges In Smart Grid</li> <li>3. Explaining the Prompting Smart Grid Development</li> <li>4. Inadequate grid infrastructure, low metering efficiency</li> <li>5. Solutions To Overcome Barrier In Implementation</li> </ol>		
8	Participation	Students	Faculty	Total Participation
		Nil	43	43
9	General remarks	<ol style="list-style-type: none"> <li>1. Less Explanation on Smart Grid Development.</li> <li>2. Less explanation about in industrial Applications.</li> </ol>		
10	Suggested Improvements	<ol style="list-style-type: none"> <li>1. More Explain about Smart Grid Development</li> <li>2. Need pract sessions</li> </ol>		
11	Enclosures	<ol style="list-style-type: none"> <li>1. Report.</li> <li>2. Photos.</li> <li>3. Attendance Sheet.</li> </ol>		
12	Signature of convener			

A one week Faculty Development Programme on “**KEY ISSUES AND CHALLENGES IN SMART GRID TECHNOLOGY**” was organized by Department of Electrical & Electronics Engineering at Narayana Engineering College, Nellore, from 04<sup>th</sup> to 09<sup>th</sup> Jan 2021, in online mode using ZOOM app.

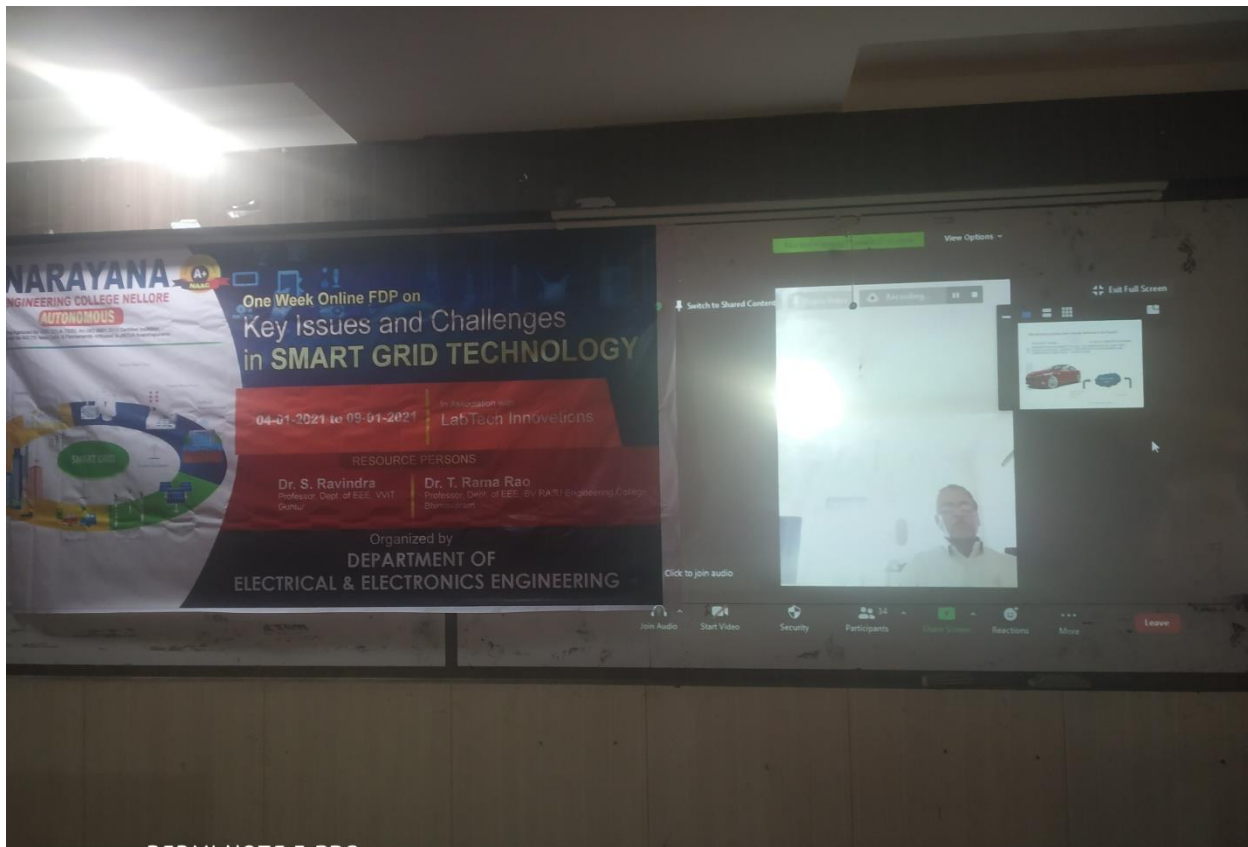
The Resources persons of this Programme, was Dr. S Ravindra, Professor in Department of EEE,VVIT, Guntur and Dr. T. Rama Rao, Professor in Department of EEE, BV Raju Engineering College, Bhemavaram., 43 faculty members attended this program, out of this 21 members were from dept. of EEE and 22 members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



### *Inaugurating the FDP*

On Day-1 in the morning session, the FDP 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.

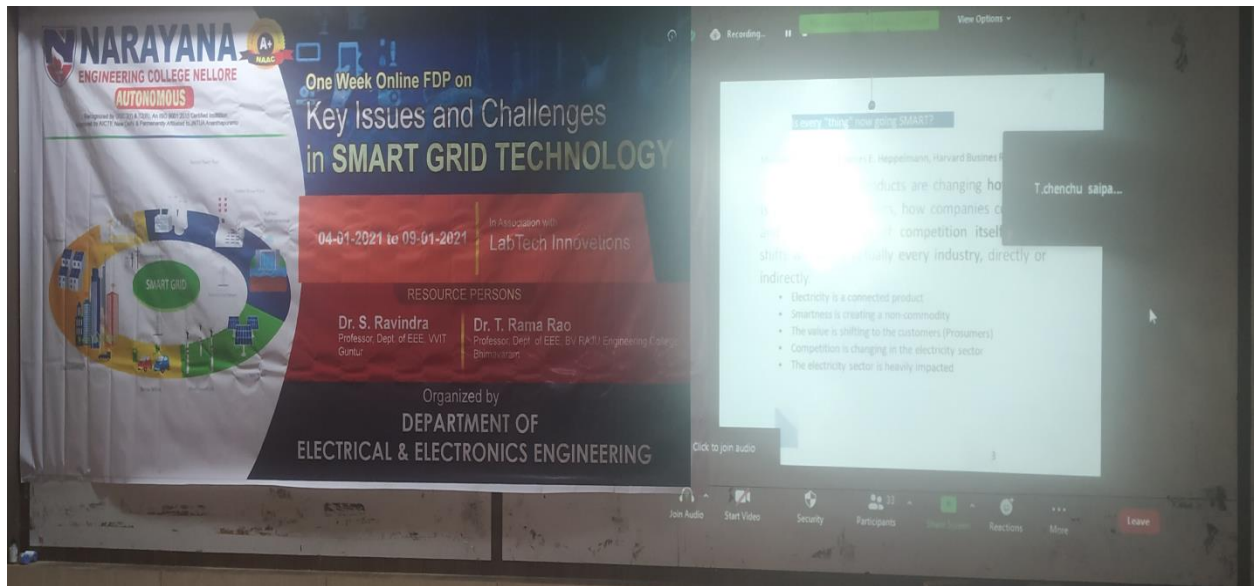
On Day-2&3 the Resource person Dr. S Ravindra discussed about the What is Key Issues And Challenges In Smart Grid. Speaker also explained about the What Is Prompting Smart Grid Development.



### ***Concepts explanation***

During Day-4&5 Dr. T. Rama Rao discussed on. Inadequate grid infrastructure, low metering efficiency , Solutions To Overcome Barrier In Implementation are the major concern of this FDP.

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



### *Concepts explanation*

On the Last day of 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 FDP

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

**HOD-EEE**