



Date: 15-04-2021

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Report of Faculty Development Programme

On

“ MICRO GRID APPLICATIONS TO RENEWABLE ENERGY RESOURCES”

1	Name of the Activity/Event	One Week Online Faculty Development Programme on “ MICRO GRID APPLICATIONS TO RENEWABLE ENERGY RESOURCES” Organized by the Department of Electrical And Electronics Engineering		
2	Date of Activity/Event	From 06-04-2021 to 10-04-2021		
3	Organized by/Name of the committee	EEE Department		
4	Place of Activity/event	Edision Auditorium		
5	Resource person/guest/organization	Dr. k Baskar, Professor in Department of EEE, VELTEH University Chennai. Dr. k. Sreenivas, SE APTRANSCO, Ongole.		
6	Type of activity/Event	One week online Faculty Development Programme		
7	Activity/Event objectives	<ol style="list-style-type: none"> 1.Introduction to Smart Grid Applications in power Systems 2. Explaining the Key Issues And Challenges In Micro Grid 3.Primary level Control, Secondary Level control 4.Microgrid optimization Techniques 5. A Hybrid Isolated Micro Grid 6.Microgrid Energy Management With Renewable Energy Generation 7.Energy Management Based On Metaheuristic Methods And Valedictory Function 		
8	Participation	Students	Faculty	Total Participation
		Nil	40	40
9	General remarks	<ol style="list-style-type: none"> 1. Less Explanation on Micro Grid Development. 2. Less explanation about in industrial Applications. 		
10	Suggested Improvements	<ol style="list-style-type: none"> 1. More Explain about Micro Grid Development 2. Need practical sessions 		
11	Enclosures	<ol style="list-style-type: none"> 1. Report. 2. Photos. 3. Attendance Sheet. 		
12	Signature of convener			

A one week Faculty Development Programme on “**MICRO GRID APPLICATIONS TO RENEWABLE ENERGY RESOURCES**” was organized by Department of Electrical & Electronics Engineering at Narayana Engineering College, Nellore, from 06th to 10th Apr 2021, in Edision Auditorium.

The Resources persons of this Programme, was Dr. k Baskar, Professor in Department of EEE, VELTEH University Chennai. and Dr. k. Sreenivas, SE APTRANSCO, Ongole, 40 faculty members attended this program, out of this 20 members were from dept. of EEE and 20 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 Micro 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 Micro Grid. Speaker also explained about the What Is Prompting Micro Grid Development.



Concepts explanation

During Day-4&5 Dr. k. Sreenivas 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

On the Last day of the Programme Resource person has discussed about The Key Issues occur in implementation of **Micro 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.