

Date: 24-02-2022

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Report of Faculty Development Programme

On

### “ MODERN RESEARCH INNOVATIVE TECHNIQUES IN SMART GRID TECHNOLOGIES”

1	Name of the Activity/Event	One Week Online Faculty Development Programme on <b>“ MODERN RESEARCH INNOVATIVE TECHNIQUES IN SMART GRID TECHNOLOGIES”</b>
2	Date of Activity/Event	From <b>15-02-2022</b> to <b>19-02-2022</b>
3	Organized by/Name of the committee	EEE Department
4	Place of Activity/event	ZOOM
5	Resource person/guest/organization	<p><b>Dr. Nasim Ali Khan,</b> Professor in Department of EEE, Aliah university Kolkata, West Bengal.</p> <p><b>Dr. Asutosh .K. Giri,</b> Asst.Professor in Department of EEE, Government Engineering College, Bharuch,Gujarat.</p> <p><b>Dr. Ajay kumar,</b> Asst.Professor in Department of EEE, NIT,Jamshedpur.</p> <p><b>Dr. P .Sudheer,</b> Professor in Department of EEE, SITAMS, Chittoor.</p>
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 and the Key Issues And Challenges In Smart Grid.</li> <li>2. Smart Grid operations , stability, protection, and Technology for smart DSM.</li> <li>3. Smart Generation and achieving Greater Efficiency In Energy Delivery.</li> <li>4. The Recent advances in Smart Grid and On-Going Smart Grid Activities.</li> <li>5. The Research techniques and innovations in Smart Grid.</li> </ol>		
8	Participation	Students	Faculty	Total Participation
		Nil	41	41
9	General remarks	<ol style="list-style-type: none"> <li>1. Less Explanation on Smart Grid Protection.</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 practical 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			

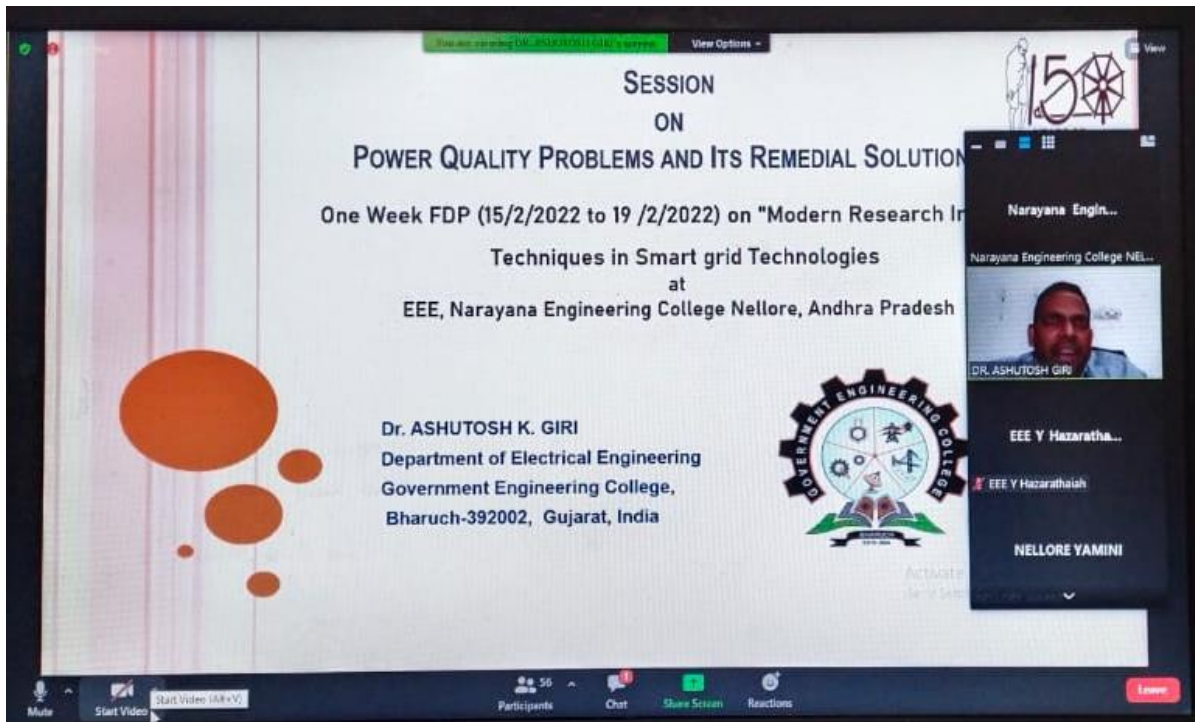
A one week Faculty Development Programme on “ **MODERN RESEARCH INNOVATIVE TECHNIQUES IN SMART GRID TECHNOLOGIES**” was organized by Department of Electrical & Electronics Engineering at Narayana Engineering College, Nellore, from 14<sup>th</sup> to 19<sup>th</sup> Jan 2022, in online mode using ZOOM app.

The Resources persons of this Programme, Dr. Nasim Ali Khan, Professor in Department of EEE, Aliah university Kolkata, West Bengal, Dr. Asutosh .K. Giri, Asst.Professor in Department of EEE ,Government Engineering College,Bharuch,Gujarat, Dr. Ajay kumar, Asst.Professor in Department of EEE,NIT, Jamshedpur, Dr. P .Sudheer, Professor in Department of EEE,SITAMS,Chittoor. There were 68 faculty members attended this program, out of this 20 members were from dept. of EEE and 48 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 Dr. Asutosh .K. Giri, Asst.Professor in Department of EEE ,Government Engineering College, Bharuch, Gujarat started with introduction of the program objectives to the participants. Afternoon session covered the Power quality Issues and its Remedial measures in power System.



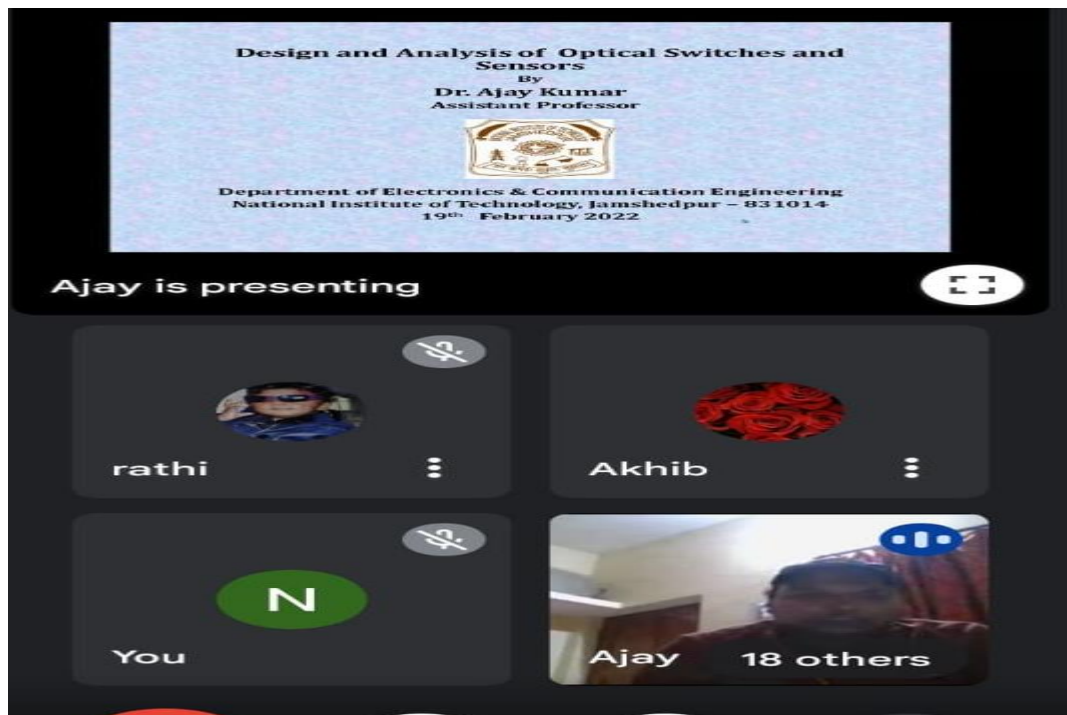
***Concepts explanation by Dr. Asutosh .K. Giri***

On Day-2 Resource person Dr. Nasim Ali Khan, Professor in Department of EEE, Aliah university Kolkata, West Bengal, discussed about the Smart Grid operations, stability, protection, and Technology for smart Demand Side Management.



***Concepts explanation by Dr. Nasim Ali Khan***

On Day-3 Resource person Dr. Ajay kumar, Asst.Professor in Department of EEE,NIT, Jamshedpur, discussed about the recent advances in Smart Grid and On-Going Smart Grid Activities.



*Concepts explanation by Dr. Ajay kumar*

.During Day-4&5 Dr. P .Sudheer, Professor in Department of EEE,SITAMS,Chittoor discussed about The Research techniques and innovations in Smart Grid and the institutions that sponsor's research for Smart Grid are the major concern of this FDP.



*Concepts explanation by Dr. P .Sudheer*

On the Last day of the Programme Resource person has discussed about modern research innovative techniques in smart grid, technologies of **Smart Grid** in Indian power sector specially Smart Grid operations , stability, protection, and Technology for smart DSM,The Recent advances in Smart Grid and On-Going Smart Grid Activities 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**