Report on Short-term course on "Digital Grid: Transforming Smart Energy Future"

A 5-day short-term course on "Digital Grid: Transforming Smart Energy Future" DGTSEF-2024 was organized by Electrical Engineering Department, NIT Jalandhar., was organized from 16-February-2024 to 20-February-2024 in online mode. Convener of the STC was Professor S. K. Pahuja, HOD, EE Department, NIT Jalandhar. Course Coordinators were Dr. K. C. Sharma, Dr. Monika Gaba, and Dr. Nandan Kumar Navin.

The event featured experts from Industry and academia who presented on various topics related to the digital grid and its impact on the future of smart energy. The details of the expert, their affiliation and their topic of presentation are as follows:

S.No	Name of Expert	Designation & Affiliation	Topic Covered		
1.	Mr. Sneh Joshi	Manager, Power grid cooperation of India	Overview of Digital Grid: Transforming the Smart Energy Future "A New Way of Working"		
2.	Dr. Saurabh Chanana	Associate Professor, NIT Kurukshetra	Al and its applications to Smart Grid		
3.	Mr. Shashank Vyas	Consultant, Infosys	Smart Energy Utility: Innovations, Market trends and Enabling Policy & Regulatory Framework		
4.	Dr. Batchu Rajasekhar	Lead Engineer, GE Vernova	Exploring Microgrids: Definition, Applications, and Operation Strategies Through the Lens of IEEE 2030.7 Standard, with a Focus on GE's Microgrid Solutions		
5.	Dr. Priyanka	Application Engineer, Enerzinx India Pvt. Ltd	Powering the Future: Navigating Challenges and Opportunities in Net-Zero Power Systems		
6.	Dr. V V S N Murthy	Manager, Engineers India Limited	Distributed Energy Sources integration in Grid Connected and Isolated Microgrid & Communication with electrical control system		
7.	Dr. Sandeep Kakran	Assistant Professor, NIT Kurukshetra	A brief introduction to Smart Grid and energy management		
8.	Dr. Pankaj Kumar	Assistant Professor, NIT Srinagar	Loss Allocation Methods in Distribution Network		
9.	Dr. P. Vijay Babu	Assistant professor, Chaitanya Bharthi Institute of Technology, Hyderabad	Smart Integration: Strategies for Performance Enhancement in Distribution Systems with Distributed Energy Resources		
10.	Mr. Pankaj Mehar	Co-founder, Nsemble AI	Data Analytics for Grid Optimization		

42 Participants comprising faculty, research scholars, postgraduate (PG), and undergraduate (UG) students from various academic institutes in India joined the Short-term course. List of Students and their transaction details are provided below:

S. No.	Name	Amount (Including GST @ 18% for External Candidates)	Transaction ID	Fee Payment Date/Time
1.	Mr DHARAVATH VENKATESH	200.00	113169861004	06-Feb-2024 22:02:30
2.	Er YASHWANT SINGH MEENA	200.00	113169074346	06-Feb-2024 13:40:10
3.	Mr ANUPAM SAINI	200.00	113169087275	06-Feb-2024 13:48:57
4.	Mr DIPAK KUMAR PANDIT	236.00	113170887675	07-Feb-2024 17:58:49
5.	Mr AMIT KUMAR THAKUR	236.00	113170879280	07-Feb-2024 17:53:31
6.	Mr SHUBHAM KUMAR	236.00	113171863039	08-Feb-2024 14:27:08
7.	Er PANKAJ KUMAR SHARMA	236.00	113170896863	07-Feb-2024 18:04:39

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8.	Er CHANDRAVEER YADAV	236.00	113170864658	07-Feb-2024 17:44:09
9.	Ms ASTHA ANAND	236.00	113171071892	07-Feb-2024 20:03:14
10.	Mr SUSHIL KUMAR	236.00	113171866277	08-Feb-2024 14:29:36
11.	Mr ANSHU KUMAR	236.00	113171857145	08-Feb-2024 14:22:49
12.	Mr NAGMANI KUMAR	236.00	113170955941	07-Feb-2024 18:42:53
13.	Mr SHUBHAM KUMAR	236.00	113170871837	07-Feb-2024 17:48:49
14.	Er GAURAV MEENA	200.00	113180455038	15-Feb-2024 18:09:17
15.	Mr PAWAN CHAUDHARY	236.00	113175283427	11-Feb-2024 12:21:06
16.	Mr SAHIL	236.00	113175904014	12-Feb-2024 02:00:08
17.	Ms VISHALI	236.00	113177100447	12-Feb-2024 22:12:58
18.	Mr SARDAR VALLABH BHAI PATEL	236.00	113176324915	12-Feb-2024 12:57:10
19.	Ms KASHISH SHARMA	236.00	113176868682	12-Feb-2024 18:57:51
20.	Er KOMAL	236.00	113176888314	12-Feb-2024 19:11:41
21.	Mr KESHAV SINGLA	200.00	113177753404	13-Feb-2024 14:37:27
22.	Mr MANAN	200.00	113177754104	13-Feb-2024 14:37:56
23.	Mr KOUSHIK	236.00	113177786633	13-Feb-2024 15:01:25
24.	Mr ROHAN THAKUR	236.00	113179423264	14-Feb-2024 20:56:39
25.	Mr AMAN	236.00	113179643359	15-Feb-2024 08:42:48
26.	Mr YASH GAUTAM	236.00	113179659528	15-Feb-2024 09:04:56
27.	Ms KANNU PRIYA	236.00	113180214946	15-Feb-2024 15:28:50
28.	Ms POOJA	236.00	113180275040	15-Feb-2024 16:10:22
29.	Dr BHUPENDER SHARMA	590.00	113168478704	05-Feb-2024 22:28:36
30.	Dr PANDRY NARENDRA RAO	590.00	113170839901	07-Feb-2024 17:28:55
31.	Mr RAGHU N	590.00	113171452302	08-Feb-2024 09:53:26
32.	Ms VEDASHREE PRAKASH RAJDERKAR	590.00	113173150310	09-Feb-2024 13:29:04
33.	Dr DR PREMA DAIGAVANE	590.00	113173281847	09-Feb-2024 15:03:19
34.	Mr HUIDROM PREM KUMAR SINGH	590.00	113173361265	09-Feb-2024 16:00:17
35.	Mr WAYPHALE NILESH SHIVAJI	590.00	113174141084	10-Feb-2024 11:02:17
36.	Dr SURINDER CHAUHAN	590.00	113180464287	15-Feb-2024 18:13:43
37.	Dr JITENDER KAUSHAL	590.00	113180534390	15-Feb-2024 18:56:57
38.	Ms DEEPMALA	590.00	113179835645	15-Feb-2024 11:28:33
39.	Mr DEVEN VATSAL	500.00	113155559682	25-Jan-2024 16:40:02
40.	Ms SHWETA GABA	590.00	113168538777	06-Feb-2024 00:09:41
41.	Mr DHIRAJ KUMAR ARORA	590.00	113168789046	06-Feb-2024 10:46:48
42.	Mr NAVDEEP BATISH	500.00	113170210725	07-Feb-2024 10:49:45

Following are few screenshots of the course that was conducted by various speakers.



















