

AICTE ISTE SPONSORED ONE WEEK ONLINE INDUCTION/ REFRESHER PROGRAM



ON

'BIG DATA ANALYTICS FOR SMART GRID'

SESSION SCHEDULE: 14.12.2021 to 20.12.2021



S. No.	Date & Day	Name of the Topic & Resource Person 9.30 am - 11.00 am		Name of the Topic & Resource Person 11.15 am -12.45 pm	Name of the Topic & Resource Person 2.00 pm - 3.30 pm
1	14.12.2021 Tuesday	<i>Inaugural Session</i> Col. B Venkat Director, Faculty Development Cell, AICTE, New Delhi	<i>Session 1</i> <i>Conventional Grid to Smart Grid</i> Dr.P.Vinoth Kumar Associate Professor, Dept. of EEE, SKCET, Coimbatore	<i>Session 2</i> <i>Smart Grid-Needs-Challenges and Research Scope</i> Dr. Ritula Thakur Associate Professor Dept. of Electrical Engineering, NITTTR, Chandigarh	<i>Session 3</i> <i>Big Data Analytics in Smart Grid and Framework of Big Data Core Components for Smart Grid</i> Dr. T. R. Sumithira Assistant Professor, Dept. of EEE, Government College of Engineering, Salem
2	15.12.2021 Wednesday	<i>Session 4</i> <i>Research Methodologies in Micro Grid and Smart Grid Technology</i> Mr.S.Selvakumar Business Head, Power Projects, Chennai	<i>Session 5</i> <i>Key features of Machine Learning, Big Data, Deep Learning techniques for Smart Grid</i> Ms.S.Divya Shree Founder and Managing Partner, OppenFynn Innovation Labs, Bangalore	<i>Session 6</i> <i>Intelligent Controllers in Smart and Micro Grids</i> Mr. S.Yuvaraja R&D Team Lead, JSK Lab Instruments, Chennai	
3	16.12.2021 Thursday	<i>Session 7</i> <i>Conventional Machine Learning Algorithms in Smart Grid</i> Dr. C. Karthik Associate Professor, Dept. of Mechatronics Jyothi Engineering College, Thrissur, Kerala	<i>Session 8</i> <i>Advanced Machine Learning Algorithms for Data analytics applied for Smart Grid</i> Dr. A.Prasanth Assistant Professor, Dept. of ECE, Sri Venkateswara College of Engineering, Chennai	<i>Session 9</i> <i>National Education Policy 2020</i> Dr.Manpreet Singh Manna, Former Director, AICTE, Ministry of Education, Govt. of India	

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4	17.12.2021 Friday	<p>Session 10 <i>Dynamic Energy Management in Smart Grid</i></p> <p>Dr.K.Yasoda Assistant Professor, Dept. of EEE, Government College of Technology,Coimbatore</p>	<p>Session 11 <i>Stress Management</i></p> <p>Dr. Swarna Ganesan Medical Officer, Coimbatore Medical College Hospital, Coimbatore</p>	<p>Session 12 <i>Introduction to Cyber Security and its need for Smart Grid</i></p> <p>Dr.K.Baskaran Professor, Dept. of EEE, Alagappa Chettiar Government College of Engineering & Technology, Karaikudi</p>	
5	18.12.2021 Saturday	<p>Session 13 <i>Cyber Physical Security and Big Data Analytics of Advanced Metering Infrastructure</i></p> <p>Dr. Sandeep Kumar Singh, Assistant Professor, Dept. of ECE National Institute of Technology, Hamirpur, Himachal Pradesh</p>	<p>Session 14 <i>Future Research Directions in Smart Grid Technology</i></p> <p>Dr.R.Rajeswari, Professor, Dept. of EEE Government College of Technology, Coimbatore</p>	2.00 pm - 3.30 pm	3.30 pm - 4.30 pm
				<p>Session 15 <i>5G networks in Smart Grid-Deployment and Maintenance Challenges</i></p> <p>Dr. T.Gunasekaran Program Director - ETE,EEE University of Technology and Applied Sciences, Muscat, Sultanate of Oman</p>	<p>Session 16 <i>Data Analytics and Cyber Security in the context of Industry 4.0 (I4.0) with Real Time Smart Grid</i></p> <p>Dr.B.Somasundaram Group Leader, Siemens, India</p>
6	20.12.2021 Monday	<p>Session 17 <i>Hands on Session</i></p> <p>Dr. R.Maheswari Associate Professor, SENSE, VIT, Chennai</p>	<p>Session 18 <i>Big Data Analytics for Smart Grid-Case Studies</i></p> <p>Prof. Jeevanantham Associate Professor, Dept. of Information Technology, Kongu Engineering College, Erode</p>	<p>Valedictory Function</p> <p>Dr. P. Sakthivel ISTE Executive Council Member, Professor, Dept. of ECE, College of Engineering, Guindy Campus Anna University, Chennai</p>	