## **List of Accepted Papers for Oral Presentation**

List	List of papers accepted for oral presentation in National Conference NCRTES-2013, April 05-06,2013					
	Organised by					
		Kamla Nehru Institute o	of Technology, Sul	tanpur-228 118		
S.N	Paper	Name of Author(s) and their	E-mail Address	Paper Title		
	ID	affiliation	of Author			
1	NCRTES- 13_01	Sheo K. Mishra <sup>1*</sup> , P. Chakraborty <sup>1</sup> , Rajneesh K. Srivastava <sup>2</sup>	mishra_sheo@redif fmail.com	Photo response In Cadmium Sulfide Nanoparticles Prepared Via Simple Solid State Reaction Approach		
2	NCRTES -13_02	Ms. Yogita V. Bhagwat, Prof. S. A. Naveed ME (II <sup>nd</sup> Year Electronics J.N.E.C., Aurangabad	yogita_6@rediffma il.com, sa_naveed01@redi ffmail.com	Design Of Microcontroller Based Three Phase Preventor And Selector System For Industrial Appliances		
3	NCRTES -13_03	Ms. Yogita V. Bhagwat, Prof. S. A. Naveed ME (II <sup>nd</sup> Year Electronics J.N.E.C., Aurangabad	yogita_6@rediffma il.com, sa_naveed01@redi ffmail.com	Three Phase Preventor And Selector For Industrial Appliances Using 89852		
4	NCRTES -13_04	Shila Dhande <sup>1</sup> , Uday Chhatre <sup>2</sup> EED K. J. Somaiya College of Engineering, Vidyavihar, Mumbai	shila345@rediffma il.com,udaychhatre @engg.somaiya.ed u	Analysis Of Mental Retardation Based On Facial Features		
5	NCRTES -13_05	Arunima Mukherjee, Anindita Sengupta EED,BESU, Howrah	amukherjee966@g mail.com	Selection Of Optimum Wavelet Filter And Proper Level Of Decomposition To Design An MRPID Controller Connected To A Liquid Level System		
6	NCRTES -13_06	Nirmal Kumar Kushwaha, Abhishek Kashyap, Mayank Kumar, and Vineeta Agarwal, EED, MNNIT, Allahabad	qwertyabhi@gmail .com	Simulation Based Operational Study of Z- Source, Quasi-Z-Source, and T-Shaped-Z- Source Converter		
7	NCRTES -13_07	Anupama Yadav, Snigdha Shukla, MED,EED, KNIT, Sultanpur	anupamayadav986 @gmail.com, snigdha9nov@gma il.com	Clean Energy with Smart Grid		
8	NCRTES -13_08	Esther Jennifer Gabriel <sup>1</sup> , Uday P. Chhatre <sup>2</sup> Department of Electronics Engineering, Mumbai University K. J. Somaiya College of Engineering, Vidyavihar, Mumbai	jennifergabril@yah oo.co.in,udaychhat re@engg.somaiya. edu	Vibration Analysis Of In-Coach Rail Travel And Its Effects on Health		
9	NCRTES -13_09	Preeti Verma, Richa Awasthi, Soumya R. Mohanty, and Nand Kishore,	preetverma08@gm ail.com, richa208@gmail.co	Review Of Off Shore Wind Farm: Development, Control And Protection Strategy		

		EED, MNNIT, Allahabad	m	
10	NCRTES -13_10	Ashish Dhamanda, Arunesh Dutt, A. K. Bhardwaj EED, SHIATS, Allahabad	dhamandashish@g mail.com, aru_121@rediffma il.com	Classical Approach To Solve Economic Load Dispatch Problem Of Thermal Generating Unit Using Lambda Iteration Method In Matlab Programming
11	NCRTE S-13_11	Dinesh Kumar S. Amit Kumar Verma, Ashish Pnadey, Deenanath Sahu, and Dinesh Kumar EID,GCET, Greater Noida	gceteie@hotmail.c om	Hybrid Solar-Wind Power System
12	NCRTE S-13_12	Sunil Kumar Singh <sup>1</sup> , Bindeshwar Singh <sup>1</sup> , Deepak Giri <sup>1</sup> , Hifzan Ahmad <sup>2</sup> , and S.P. Singh <sup>1</sup> EED, KNIT, Sultanpur	bindeshwar.singh2 015@gmail.com	Enhancement Of PQ by D-STATCOM: A Review
13	NCRTE S-13_13	Brijendra Kumar Maurya, Sushil Keshari and Abhash Dr. B. R. Ambedkar N.I.T, Jalandhar, Punjab	sushil.keshari@gm ail.com	Temperature Control Of Continuous Stirred Tank Reactor Using Different Controllers
14	NCRTE S-13_14	Pramod Kumar <sup>1</sup> , Shalendra Singh <sup>2</sup> EED, KNIT, Sultanpur	pram5@sify.comsh alendra_singh_123 @yahoo.co.in	Promoting Renewable Energy Technologies For Rural Development In India
15	NCRTE S-13_15	Bubble Preet <sup>1</sup> , Rintu Khanna <sup>2</sup> <sup>1</sup> PG student, PEC University of Technology, Chandigarh, India <sup>2</sup> Assistant professor, PEC University of technology, Chandigarh, India	bubblep@gmail.co m, rintukhanna1@redi ffmail.com	Solar Thermal Energy System
16	NCRTE S-13_16	Bhawana Singh CSED, KNIT, Sultanpur	bhawana.singh.25 @gmail.com	A Study On Traffic Adaptive Mac Protocols For Wireless Body Area Network
17	NCRTE S-13_17	Abhinav <sup>1</sup> , Rintu khanna <sup>2</sup> <sup>1</sup> P.G. Student, <sup>2</sup> Assistant Professor EED, PEC, University of Technology, Chandigarh (India)	abhinav8904@gma il.com, rintukhanna1@redi ffmail.com	Impact of Solar Power on Conventional Grid
18	NCRTE S-13_18	Prashant Shukla <sup>1</sup> , Dr. Swapnajit Pattnaik <sup>2</sup> <sup>1</sup> M. Tech. Student, <sup>2</sup> Dr. Associate Professor, EED, VNIT, Nagpur, Maharashtra	prashant26oct@gm ail.com, swapnajit.pattnaik @gmail.com	Simulink Model Of PV Module And Implementation Of MPPT Algorithm For A Single Phase Grid Connected PV Systems
19	NCRTE S-13_19	Burhanuddin Bohra <sup>1</sup> , Hemant Kumar <sup>2</sup> , Shahid Ali Khan <sup>3</sup> , Vishnu Meena <sup>4</sup> , and Prof. K.V.S. Rao <sup>5</sup> <sup>1, 3, 4</sup> .M. Tech. Scholar, <sup>2</sup> M. Tech. Scholar EED, <sup>5</sup> HEAD, Center For Energy and Environment, RTU, Kota, Rajasthan	bohrarocks@gmail. com, shahidali634@gma il.com, vishnu.meena7@g mail.com, mail.hemantkyadav @gmail.com	India Stepping Towards Nuclear Power Plants: A Dicey Move

20	NCRTE S-13_20	Surya Prakash, Satyam Prakash EED, SHIATS, Allahabad	satyam.en@gmail. com, sprakashgiri0571@ yahoo.com	Compensation of Active Power to Control Grid Frequency by Wind Energy
21	NCRTE S-13_21	Sachin Kumar EED IIT,BHU,Varanasi (India)	sachin.kumar.eee 11@itbhu.ac.in	Excitation Process In Three Phase Squirrel Cage Induction Generator For Wind Mill Application
22	NCRTE S-13_22	Sunil Kumar Jain , Prof. R. P. Payasi and S P Singh EED, KNIT, Sultanpur	payasirp@rediffma il.com, singhsurya12@gm ail.com	Control & Operation Of Dynamic Voltage Restorer
23	NCRTE S-13_23	Sunil Kumar Jain, Ms. Sarika kalra EED, MNNIT, Allahabad	pyarasuniljain@yah oo.co.in, sarika@mnnit.ac.in	A Comparative Study Between Sinusoidal PWM Modulation & Trapezoidal PWM Modulation
24	NCRTE S-13_24	S. Lokesh, H. Mohit', P. Sindhuja M. Tech. Student, MED, College of Engineering, Anna University, Chennai (India)	hemathmohit@gm ail.com	Analysis Of Convective Heat Transfer Coefficient In Nano Fluid Ethylene Glycol And Al <sub>2</sub> o <sub>3</sub> In A Double Pipe Heat Exchanger
25	NCRTE S-13_25	Princy Prajapati <sup>1</sup> , Bhupesh Kumar Pal <sup>2</sup> , Shivlendra Singh <sup>3</sup> <sup>1</sup> EED, MMMEC, GKP <sup>2,3</sup> EED, MNNIT, Allahabad	princyprajapati02 @gmail.com, shiva2115@gmail. com	Harmonic Mitigation Using Inverter Based Hybrid Shunt Active Power Filter
26	NCRTE S-13_26	Vipin Kumar Singh MED, KNIT, Sultanpur	vipinkr.singh51@g mail.com	Investigation Of Fluid Structure Interaction Of A Head Stack Assembly In A Hard Disk Drive
27	NCRTE S-13_27	Akhilesh Kumar Gupta, Himanshu Bhushan, Paulson Samuel EED, MNNIT, Allahabad	akhileshgupta08@ gmail.com	Generator Topologies With Power Electronics Converters For A Wind Energy Conversion System: A Review
28	NCRTE S-13_28	Amrita Shekhar , Prof. Anupam Verma , Prof. (Dr) N K Saxena , and Prof. (Dr) M K Gupta CED, KNIT, Sultanpur	amritasekhar20@g mail.com	Seismic Safety Of Lifeline Structures
29	NCRTE S-13_29	Ankit Jain <sup>1</sup> , Amit Verma <sup>2</sup> , and Bindeshwar Singh <sup>3</sup> <sup>1,2</sup> EED, Uttarakhand Technical University, Dehradun <sup>3</sup> EED, KNIT, Sultanpur	er.ankitjain88@ gmail.com	Designing A Standalone PV Solar System
30	NCRTE S-13_30	Prof. Sumit. R. Vaidya <sup>1</sup> , Mr. Abhishek Sambre, Mr. Aniket Vishwakarma, Mr. Ashish Gawande, Mr. Darshan Raut, Mr. Rutvick Pedamkar, Mr. Shubham Wahane <sup>2</sup> <sup>1</sup> Assistant Professor, <sup>2</sup> UG Student, EED, SDCE, Selukate, Wardha	vaidyarsumit@gma il.com	Control System for Smart Grid Operation
31	NCRTE	Nena Gupta, Harish Balaga, D. N. Vishwakarma, Senior Member, IEEE	neha.gupta.eee11@ iitbhu.ac.in	Numerical Differential Protection of Power Transformer Using GA Trained

	S-13_31	EED, IIT(BHU), Varanasi		ANN
32	NCRTE S-13_32	Mrs. Akanksha Shukla <sup>1</sup> , Shobhit Saxena <sup>2</sup> , Siddhant Singh <sup>3</sup> , Sohil Jain <sup>4</sup> <sup>1</sup> Assistant Professor, <sup>2, 3,4</sup> Students of EED, GCET <sup>1</sup> Gautam Buddh Technical University, Lucknow	akanksha19tiwari @gmail.com,shobh itsaxena01@gmail. com,	Embedded System Based Prepaid Electricity Metering & Billing
33	NCRTE S-13_33	Sajid Ali <sup>1</sup> , Sanjeev Maheshwari <sup>2</sup> , and Sanjiv Kumar <sup>3</sup> <sup>1</sup> PG Student, GBU, Greater Noida <sup>2,3</sup> EED, MIT, Meerut	sajidali.ali01@gma il.com, smm_miet@rediff mail.com,	In-Phase Compensation Technique of DVR for Voltage Quality Improvement
34	NCRTE S-13_34	Prashant Mani Tripathi, Rohan Srivastava, and Roohi Sachan EED, Gautam Buddha University, Greater Noida	tripathimaniprasha nt@gmail.com, princerohan.srivast ava@gmail.com,	Role of Auto-Reclosing In Feeder Management: Logic Scheme in Numerical Relay
35	NCRTES -13_35	Himanshu Batra <sup>1</sup> , Prof. Rintu Khanna <sup>2</sup> <sup>1</sup> M.tech, <sup>2</sup> Asst. Prof, PEC, University of Technology, Chandigarh	himanshubatra1 @gmail.com, rintukhanna1@re diffmail.com	Fuel Cell and Its Technology
36	NCRTES -13_36	Sulabh Sachan <sup>1</sup> , Dr. C. P. Gupta <sup>2</sup> , and Bindeshwar Singh <sup>3</sup> <sup>1,2</sup> EED, IIT, Roorkee <sup>3</sup> EED, KNIT, Sultanpur	sulabh.knit@gmai l.com, sulabh.iitr11@gm ail.com	Maximization of Social Welfare Considering Congestion In Deregulated Market
37	NCRTES -13_37	N. K. Yadav <sup>1</sup> , Prof. R. K. Singh <sup>2</sup> <sup>1</sup> Research Scholar, <sup>2</sup> Professor, EED, MNNIT, Allahabad	nyadav24@gmail.c om	New Continuous-Time Sliding Mode Controller for Speed Control of DC Servo Motor
38	NCRTES -13_38	Ruchika Jain <sup>1</sup> , Hemant Kumar <sup>2</sup> , Vandita Kaushik <sup>3</sup> , and Upasna Arora <sup>4</sup> <sup>1, 2, 3, 4</sup> M. Tech Scholar, EED University College of Engineering, Rajasthan Technical University, Kota	ruchikaj55@gmail. com,mail.hemantk yadav@gmail.com,	Single Diode Equivalent Simulink Model Of PV Array
39	NCRTES -13_39	Sachin Kumar EED, IIT, BHU, Varanasi	sachin.kumar.eee1 1@itbhu.ac.in	Excitation Process In Three Phase Squirrel Cage Induction Generator For Wind Mill Application
40	NCRTES -13_40	Pankaj Sharma EED, IIT, BHU, Varanasi	pankaj.sharma.eee1 2@iitbhu.ac.in	Energy System-Indian Prospective Issues, Challenges And Feasible Solutions
41	NCRTES -13_41	S. K. Sinha <sup>1</sup> , Sachin Kumar Katiyar <sup>2</sup> , and Wazid Ali <sup>3</sup> <sup>1</sup> Professor, <sup>2,3</sup> M.Tech Student, EED, KNIT Sultanpur	sachinknmiet06@g mail.com	Comparison Of Total Harmonic Distortion Of Five- Level And Seven- Level PV Inverter Using Novel Switching Approach With Perturb And Observation Method
42	NCRTES -13_42	Mrs. Reena Sharma <sup>1</sup> , Sheetal Kumar Jaiswal <sup>2</sup> , Shikhar Sharma <sup>3</sup> , and Sushil Kumar Rishi <sup>4</sup> <sup>1</sup> Assistant Professor, <sup>2</sup> , <sup>3,4</sup> B.Tech. Final Year Students, EEE, GCET, Greater Noida	sheetal220056@g mail.com, shikhar0107@gmai l.com, sushilk513@gmail. com	Demonstrative Model On Wireless Power Transmission

43	NCRTES -13_43	Prabhakar Tiwari, Ishaan Shukla <sup>1</sup> , Kartikay Pathak <sup>2</sup> , Kavish Aggarwal <sup>3</sup> , Manay Goel <sup>4</sup>	ishaanshukla@live. co.uk,	Automatic Railway Control System
		<sup>1,2,3,4</sup> GCET, Greater Noida	kartikaypathak@g mail.com	
44	NCRTES -13_44	Ashish Srivastava, Deepak Pandey <sup>1</sup> , Alok Tripathi, and Mrs. Bharti Dwivedi <sup>1</sup> EED, KNIT, Sultannur	d.pandey2906@gm ail.com	Performance Analysis Of UPQC System Based on Multiple Inversion Techniques
45	NCRTES -13_45	Deepak Pandey <sup>1</sup> , S. P. Singh <sup>2</sup> , Nikhil Gupta <sup>3</sup> , Ashish Srivastava <sup>4</sup> , Alok Tripathi <sup>5</sup> <sup>1.2,3</sup> EED, KNIT, Sultanpur	d.pandey2906@gm ail.com	Improving Current Quality Problems of Power System Using Modern Power Electronics
46	NCRTES -13_46	Km. Shweta <sup>1</sup> , Prof. Alka Singh <sup>2</sup> <sup>1,2</sup> CSED, KNIT, Sultanpur	shweta20989@gm ail.com	Ant Colony Optimization: Approach to Solve Travelling Salesman Problem
47	NCRTES -13_47	Juhi Singh <sup>1</sup> , Prof. Samir Srivastava <sup>2</sup> <sup>1,2</sup> CSED, KNIT, Sultanpur	juhi.singh.iec@gm ail.com	A Review On Quality of Service Techniques Over IP Network
48	NCRTES -13_48	Madhvi Mishra <sup>*</sup> , Pragati Rana <sup>#</sup> , Rakhi Pathak <sup>*</sup> , and Vaibhav Mishra <sup>#</sup> <sup>#</sup> Student, ECED, Jaypee University of Engineering and Technology, Guna, *Student,EED, KNIT, Sultanpur	madhvi.mishra@g mail.com	A Review On E-Waste Management System & Related Issues In India
49	NCRTES -13_49	Anuj Kumar Shukla <sup>1</sup> , Anurag Singh <sup>2</sup> , Krishna Kant Singh <sup>3</sup> , Jayant Vishnu Narlikar <sup>4</sup> , Bindeshwar Singh <sup>5</sup> , and Deependra Singh <sup>6</sup> <sup>1,2,3,4,5,6</sup> EED, KNIT, Sultanpur	anujkrshukla123 @gmail.com	Reactive Power Support By SVC For Clearance Of Three-phase Fault In Power System Environments
50	NCRTES -13_50	Ashish Mohan <sup>1</sup> , Yudhishthir Pandey <sup>2</sup> , and Dr. Harsh Vikram Singh <sup>3</sup> <sup>1</sup> B.Tech. Student, <sup>2</sup> Head, ECED, JRE Group of Institutions, Greater Noida <sup>3</sup> Assistant Professor, ECD, KNIT, Sultanpur	harshvikram@gma il.com	Osmotic Pressure Based Method of Renewable Power Generation
51	NCRTES -13_51	Manish Kumar Madhav, Jyoti Kataria, and Dr. Vinay Pant	manishh.madhv @gmail.com	Optimal Switch Placement In Radial Distribution System Using GA And PSO
52	NCRTES -13_52	Bhupesh Kumar Pal Department of Electrical Engg., MNNIT, Allahabad-211004 (India)	bhupeshkumar09@ gmail.com	A Six Phase Induction Generator Connected Stand-Alone Wind Energy Conversion System
53	NCRTES -13_53	Sanjay Bisht Biochemical Engineering Department BT Kumaon Institute of Technology, Dwarahat, Almora (Uttarakhand)	snjbisht3@gmail.c om	Cyanobacteria: Source of Energy and Chemicals
54	NCRTES -13_54	Rakshit Prakash Baranwal <sup>1</sup> , Sunil Kumar Agrahari <sup>2</sup> , Pradeep Kumar Prajapati <sup>3</sup> , Mayank Harshvarden	rakshit.knit@gmail .com	Enhancement of Voltage Profile of Power System Networks Using Static Var

		Jain <sup>4</sup> , Bindeshwar Singh <sup>5</sup> , and		Compensator
		Deependra Singh <sup>6</sup>		_
		EED, KNIT, Sultanpur		
55	NCRTES	Surabhi Gupta and Surya Prakash	surabhi.bbdee@gm	Evaluation of First Swing Stability of A
	-13_55	Engineering SHIATS Allababad	ail.com	Large Power System With Various
		Engineering, STIATS, Ananabad		TACTS Devices
56	NCRTES	Anurag Pandey, Saurabh Pandey, and	vineetkrrai@yahoo	The Eu <sup>3+</sup> -Yb <sup>3+</sup> Codoped Y2o3 Phosphor as
	-13_56	Vineet Kumar Rai*	.co.in,	NIR to Visible Upconverter
		Laser and Spectroscopy Laboratory, Department of Applied Physics, ISM	anuragpandey439	
		Department of Applied Thysics, ISW, Dhanbad (Jharkhand)	@gmail.com	
57	NCRTES	Mrituniay Kr. Sinha <sup>1</sup> Ajay Shekhar	kumarmrituniav02	Multilayer Restoration For Survivability In
57	-13 57	Pandey <sup>2</sup> , and Sunil Kumar Sinha <sup>3</sup>	@rediffmail.com	WDM Mesh Networks
	10_07	<sup>1</sup> Department of Applied Science and	shekhar.ajay04@re	
		Humanities	diffmail.com	
		<sup>2,5</sup> EED, KNIT, Sultanpur		
58	NCRTES	Bindeshwar Singh, S. P. Singh	bindeshwar.singh2	Power Markets: Economics,
	-13_58		015@gmail.com,	Management Challenges, and
		EED, KNIT, Sultanpur-228118	singhsurya12@gm	Opportunities
			ail.com	
59	NCRTES	S P Singh <sup>1</sup> Amrita Singh <sup>2</sup> Rishabh	singhsurva12@om	State of the Art Generators for Wind
55	-13 59	Dev Shukla <sup>3</sup> , Vinay Tripathi <sup>4</sup> , and R.	ail.com,	Energy Conversion System
	_	P. Payasi <sup>5 1,2,5</sup> EED, KNIT,	singh.amrita13@g	
		Sultanpurc <sup>3</sup> Research Scholar, EED,	mail.com,	
		MNNIT, Allahabad (U.P.)-211004	payasirp@rediffma	
		<sup>4</sup> Vinay Tripathi, EED, SHIATS,	il.com	
60	NCDTES	Allahabad	audhaltar i Omanit	Motleh Modeling And Simulation Of Solar
60	-13 60	and K. Sudhakar*	ac in	Photovoltaic Panel
	-15_00	Energy Centre, Maulana Azad	ac.m	
		National Institute of Technology		
		Bhopal (M. P.)-462051(India)		
61	NCRTES	Amit Kumar <sup>1</sup> , R. P. Payasi <sup>2</sup> , and S P	electronics11me@	Non-Isolated Bidirectional Zero-Voltage-
	-13_61	Singh <sup>3</sup>	gmail.com,payasirp	Switching DC–DC Converter
		<sup>1</sup> M. Tech. Student, EED, MNNIT,	@rediffmail.com,	
		Allahabad-211004 (India) <sup>2,3</sup> FED KNIT Sultannur	singhsurya12@gm	
		LLD, KN11, Suitanpui	ail.com	
62	NCRTES	Vinay Kumar Dwivedi Praveen	dw vinay@gmail c	Power Quality Aspects of Induction
02	-13 62	Kumar Singh	om.	Generator and Three Phases IG in Single
		EED, MNNIT, Allahabad-211004	praveen.mnnit87@	Phase Operation
			gmail.com	1
63	NCRTES	Surya Prakash Tiwari, Kaushal	stiwari620@gmail.	Luminescence materials as efficiency
	-13_63	Kumar	com	ennancer of Solar Cells
		Indian School of Minos, Dhanhad		
		826004 Iharkhand (India)		
		62000 <del>1</del> , Juarkinand (India)		
64	NCRTES	Pooja Mishra <sup>1</sup> , Manu Smriti Rao <sup>2</sup> ,	er.poojamishra91@	Power Flow Control in Power System
	-13_64	Bindeshwar Singh <sup>3</sup> , Rashi	gmail.com	Networks Using TCSC

		Maheshwari <sup>4</sup> , and Utkarsha		
		Srivastava <sup>5</sup>		
		<sup>1,2,3,4,5</sup> EED, KNIT, Sultanpur		
65	NCDTES	Saturath Congress <sup>1</sup> Baiach	an arriense trienth	Speed Control of DC Motor using ICPT
65	12 65	Satyartin Gangwar, Kajesh Chauhan <sup>2</sup> , Diadailang Samati <sup>3</sup>	gangwarsatyartn@	Speed Control of DC Motor using IGB1
	-15_05	Dakash Kumar Vadav <sup>4</sup> and	ginan.com	Based Chopper
		Bindeshwar Singh <sup>5</sup>		
		<sup>1,2,3,4,5</sup> FED KNIT Sultanour		
		EED, KIII, Sulanpu		
66	NCRTES	Garima Singh <sup>1</sup> , Bindeshwar Singh <sup>2</sup> ,	garima.geeta@gma	Progress and Recent Trends in Wind
	-13_66	D.N.Srivastava <sup>3</sup> , S. N. Mishra <sup>4</sup> , and	il.com	Energy
		S P Singh <sup>5</sup>		
		<sup>1,3,4</sup> MED, KNIT, Sultanpur,		
	MODIFIC	<sup>2,3</sup> EED, KNIT, Sultanpur		
67	NCRTES	Amrita Singh <sup>2</sup> , S P Singh <sup>2</sup> , B. Singh <sup>3</sup> ,	singh.amrita13@g	Enhancement of Performance Parameters
	-13_67	Rishabh Dev Shukia', and Vinay	mail.com,	of Wind Power Plants: A Technological
		1 <sup>1,2,3</sup> EED KNIT Sultaneur	singnsurya12@gm	Literature Survey
		<sup>4</sup> Pesearch Scholar FED MNNIT	all.com	
		Allahabad. <sup>5</sup> Vinay Tripathi, EED.		
		SHIATS, Allahabad		
68	NCRTES	Gyanendra Kumar Pal <sup>1</sup> , Prof. B. P.	gyanpal@gmail.co	Analysis of Design Metrics for Quality in
	-13_68	Chaurasia <sup>2</sup> , Bhupendra Kumar <sup>3</sup> , and	m	Open Source Software
		Deepam Pal <sup>4</sup>	bp0410@gmail.co	
		<sup>1,2</sup> CSED, KNIT, Sultanpur,	m,	
		<sup>3,4</sup> ECD &CSED, Veer Bahadur	meetbkpal10@gma	
		Singh Purvanchal University,	il.com	
60	NCRTES	Bindeshwar Singh S P Singh	hindeshwar singh?	Application of FACTS Controllers in
09	-13 69	EED. KNIT. Sultanpur (U.P.)	025@gmail.com	Multi-Machine Power System
	10_07		singhsurva12@gm	Environments
			ail.com	
70	NCDTES	Suman Vaday <sup>1</sup> Dr. Harsh Vikram	harshvikram@iaaa	Energy Efficient Wetermerking for
70	-13 70	Suman Tadav, DI. Harsh Vikiani	org	Convright Protection
	-15_70	<sup>1</sup> Research Assistant <sup>2</sup> Assistant	015	copyright i rotection
		Professor ECD KNIT Sultanpur		
		110105501, 202,111 (11), Summpur		
71	NCRTES	Shashank Mishra, S. P. Singh,	shashank.mishra57	Elimination of Harmonics in power system
	-13_71	Mubashshir Husain Ansari, and Shiv	7@gmail.com	by the combination of Passive and Active
		Prakash Singh		Filter with p-q control technique
		EED, Kamla Nehru Institute of		
		Technology, Sultanpur-228 118		
72	NCRTES	Ankit Tiwari <sup>1</sup> , Atul Shukla <sup>2</sup> , and	er.ankittiwari7492	Harmonic Reduction and Reactive Power
	-13_72	Kamala Kant Mishra	@yahoo.com,	Compensation in Domestic Consumer
		Student, Associate Professor, EED	er.atulshukla30@g	voltage Distribution System
		KII, Kanpur	man.com	

73	NCRTES	Dilip Kumar, S. M. Tripathi, and S.	dilip1987kumar@g	Performance Evaluation of a Chopper Fed
	-13_73	K. Sinha	mail.com	H- Bridge Controlled DC Motor Drive
		EED, Kamla Nehru Institute of		
	NODTEG	Technology, Sultanpur-228 118		
74	NCRTES -13_74	Rajendra Prasad Payasi <sup>1</sup> , Asheesh K. Singh <sup>2</sup> , , Devender Singh <sup>3</sup> <sup>1</sup> EED, KNIT, Sultanpur, <sup>2</sup> EED,	payasirp@rediffma il.com	High Penetration of Distributed Generation with Voltage Step Constraint Using Multiblective Optimization
		MNNIT, Allahabad		
		<sup>3</sup> EED, IIT (BHU), Varanasi (India)		
75	NCRTES	Aman Bansal, Brijesh Singh, Member, IEEE, and S. P. Singh.	elec.amanbansal@	Maximization of Social Welfare and
	-15_75	Senior Member, IEEE	singhb1981@gmail	Based on DCOPF in Day Ahead
		EED, IIT (BHU), Varanasi	.com,	Wholesale Power Market
70	NCDTES	Jacwont Singh <sup>1</sup> Bindochwor Singh <sup>2</sup>	ciniagwant@gmail	Parformance Investigation Of Permanent
76	-13 76	and S. P. Singh <sup>3</sup>	com.	Magnet Synchronous Motor Drive Using
	10_70	<sup>1</sup> M.Tech. Student,	bindeshwar.singh2	Vector Controlled Technique
		<sup>2,3</sup> Assistant Professor EED,	025@gmail.com,	
		KN11, Sultanpur-228 118 (India)	singhsurya12@gm	
			ail.com	
77	NCRTES	Pooja Singh <sup>1</sup> , Pankhuri Kishore <sup>2</sup>	poojasngh647@gm	Analysis Of Particle Swarm Optimization
	-13_77	<sup>1</sup> M.Tech. Student, <sup>2</sup> Senior	ail.com,	Algorithm In Economic Load Dispatch
		Lecturer, EED, BBD University, Lucknow (India)	pankhuri_mmmec	
			@yanoo.co.in	
78	NCRTES	Rajeev Kumar Chauhan <sup>1</sup> , J. P.	mmmec.rkc@gmai	Power Quality Investigation Techniques:
	-13_78	Pandey <sup>2</sup>	l.com,	A Brief Overview
		Ghaziahad (U. P.)	tojppandey@rediff mail.com	
		<sup>2</sup> Maha Maya Technical University,	municom	
		Noida (U. P.)		
70	NCDTES	C Sive Kumer D Salve Muthu	sive evic a@amail	Design Of Unified Dewer Ouglity
/9	-13 79	Kumaran	siva.avis.c@ginan.	Conditioner (Upgc) To Improve The
		UG Students, EEE Department,	smartselva1@gmai	Power Quality Problems By Using
		Easwari Engineering College Chennai, Tamilnadu (India)	1.com	Renewable Energy Source
		Chemian, Familiada (maia)		
80	NCRTES	Preeti Kumari <sup>1</sup> , Dr. Harsh Vikram	kumaripreeti56@y	Efficient Energy Conservation In Ceramic
	-13_80	Singh <sup>2</sup>	ahoo.com	Industry
		<sup>1</sup> Postgraduate Student, <sup>2</sup> Assistant		
		Professor ECD enortment of Electronics		
		Engineering, KNIT Sultanpur (India)		
		8 6, 1 7 ( 1 7)		
81	NCRTES	Bindeshwar Singh, S P Singh	bindeshwar.singh2	FACTS Controllers: A Key Issues,
	-13_81	Department of Electrical	025@gmail.com	Challenges, and Opportunities
02	NCRTES	Rishabh Dev Shukla	shukla rishabhdey	Amplitude & Frequency Control in
02	-13_82	Ph.D. Scholar, Department of	@gmail.com	Standalone DFIG based Wind Energy
	—	Electrical Engineering, MNNIT,	C	Conversion System
		Allahabad (India)		

83	NCRTES	Raj Bahadur Singh, S P Singh	rbsinghgovt@gmai	Power Quality Issues And Their Recent
	-13_83	Department of Electrical	l.com,	Solutions
		Engineering, KNIT, Sultanpur (U.P.)-	singhsurya12@gm	
		228118	ail.com	
84	NCRTES	Alok Agarwal	alokagarwal2@gm	Fuzzy Logic Based UPFC Supplementary
	-13_84	Assistant Professor, Department of	ail.com	Controller for Damping Low Frequency
		Electrical Engineering, MIT,		Oscillations in Power System
	NODEDO	Moradabad (U. P.)		
85	NCRIES	Priyanshi Vishnoi , Kapil Gandhi ,	vishnoi.priyanshi@	Power Saving Street Lights Using
	-13_85	and Alok Agarwai	gmail.com ,	Advance Sensors
		Assistant Professor, Department of	$m^2$	
		Moradabad (U.P.)	<sup>111</sup> ,	
96	NCRTES	Abhiruchi Sriyastaya Bindeshwar	abhuruchisri@gma	Enhancement of Voltage Profile Using
00	-13 86	Singh S P Singh Abhishek Anand	il com	Thyristor Controlled Switched
	10_00	Vaibhay Mishra, and Vikas Kumar	nicom	Compensator in Power Systems
		Singh		
		Department of Electrical		
		Engineering, KNIT, Sultanpur-		
		228118 (U. P.)		
87	NCRTES	Rashmi Dubey, Dr. Ajay Shekhar	rashmi.dubey.24@	Power Quality improvement of
	-13_87	Pandey, Bindeshwar Singh, S.P.	gmail.com	Distribution networks using DVR
		Singh		
		EED, KNIT, Sultanpur		
	MODTEO		1 11 1010	
88	NCRIES	Deepak Singh', Dig Vijay Singh <sup>2</sup> ,	deepakknit21@gm	Frequency Controller for Parallel Hydel-
88	-13_88	Deepak Singh <sup>2</sup> , Dig Vijay Singh <sup>2</sup> , and D K Nishad <sup>3</sup>	ail.com,er.singh.di	Wind Power Generation
88	-13_88	Deepak Singh <sup>*</sup> , Dig Vijay Singh <sup>*</sup> , and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College,	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com	Wind Power Generation
88	-13_88	Deepak Singh <sup>*</sup> , Dig Vijay Singh <sup>*</sup> , and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U.P.)	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com	Wind Power Generation
88	-13_88	Deepak Singh <sup>2</sup> , Dig Vijay Singh <sup>2</sup> , and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed	Wind Power Generation
88	-13_88	Deepak Singh <sup>2</sup> , Dig Vijay Singh <sup>2</sup> , and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u	Wind Power Generation
88	-13_88	Deepak Singh <sup>2</sup> , Dig Vijay Singh <sup>2</sup> , and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheerai927@yahoo	Frequency Controller for Parallel Hydel- Wind Power Generation
88	NCRTES -13_88 NCRTES -13_89	Deepak Singh <sup>2</sup> , Dig Vijay Singh <sup>2</sup> , and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in	Enhancement of power system stability using fuzzy logic and genetic algorithm :
88	NCRTES -13_88 NCRTES -13_89	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in	Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity
88	NCRTES -13_88 NCRTES -13_89	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.)	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in	Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity
88 89 90	NCRTES -13_88 NCRTES -13_89 NCRTES	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> ,	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo 	Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in
88 89 90	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup>	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com,	Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India
88 89 90	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup>	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t	Frequency Controller for Parallel Hydel- Wind Power Generation Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India
88	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.) <sup>2</sup> Assistant General Manager, Tata	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com,	Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India
88 89 90	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2.3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow <sup>3</sup> Deputy General	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo	Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India
88 89 90	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U.P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U.P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com	Frequency Controller for Parallel Hydel- Wind Power Generation Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India
88	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com	Frequency Controller for Parallel Hydel- Wind Power Generation Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India
88 89 90 91	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90 NCRTES	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2.3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com	Frequency Controller for Parallel Hydel- Wind Power Generation Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India Hybrid Sources in Electrical Vehicle using
88 89 90 91	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90 NCRTES -13_91	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2.3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow Suchita Mishra, Reeti Pandey, Ruchi Singh, Kevi Singh, S P Singh, and B	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com	Frequency Controller for Parallel Hydel- Wind Power Generation Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India Hybrid Sources in Electrical Vehicle using DC-DC Converter
88 89 90 91	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90 NCRTES -13_91	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow Suchita Mishra, Reeti Pandey, Ruchi Singh, Kevi Singh, S P Singh, and B Singh	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com	Frequency Controller for Parallel Hydel- Wind Power Generation Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India Hybrid Sources in Electrical Vehicle using DC-DC Converter
88 89 90 91	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90 NCRTES -13_91	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow Suchita Mishra, Reeti Pandey, Ruchi Singh, Kevi Singh, S P Singh, and B Singh Department of Electrical	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com	Frequency Controller for Parallel Hydel-Wind Power Generation         Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity         Recent Trends of Fuel Cell Technology in India         Hybrid Sources in Electrical Vehicle using DC-DC Converter
88 89 90 91	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90 NCRTES -13_91	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2.3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow Suchita Mishra, Reeti Pandey, Ruchi Singh, Kevi Singh, S P Singh, and B Singh Department of Electrical Engineering, KNIT, Sultanpur	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com suchita085@gmail. com	Frequency Controller for Parallel Hydel- Wind Power Generation Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity Recent Trends of Fuel Cell Technology in India Hybrid Sources in Electrical Vehicle using DC-DC Converter
88 89 90 91 92	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90 NCRTES -13_91 NCRTES 13_92	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow Suchita Mishra, Reeti Pandey, Ruchi Singh, Kevi Singh, S P Singh, and B Singh Department of Electrical Engineering, KNIT, Sultanpur Anand Raw, Bindeshwar Singh, S M	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com suchita085@gmail. com	Frequency Controller for Parallel Hydel-Wind Power Generation         Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity         Recent Trends of Fuel Cell Technology in India         Hybrid Sources in Electrical Vehicle using DC-DC Converter         Enhancement of Transient Stability of Power Systems by TCSC with DI heads
88 89 90 91 92	NCRTES -13_88 NCRTES -13_89 NCRTES -13_90 NCRTES -13_91 NCRTES -13_91	Deepak Singh', Dig Vijay Singh', and D K Nishad <sup>3</sup> <sup>1</sup> EED, ITS Engineering College, Greater Noida (U .P.) <sup>2,3</sup> EED, Dr.KNMIET, Modinagar Dheeraj Kumar Rai END, Sky Line Institute of Engineering & Technology, Greater Noida (U .P.) Saurabh Kaushik <sup>1</sup> , Srinu Bau Matta <sup>2</sup> , and S M Singh <sup>3</sup> <sup>1</sup> Manager, Tata Motors, Lucknow (U. P.), <sup>2</sup> Assistant General Manager, Tata Motors, Lucknow, <sup>3</sup> Deputy General Manager, Tata Motors, Lucknow Suchita Mishra, Reeti Pandey, Ruchi Singh, Kevi Singh, S P Singh, and B Singh Department of Electrical Engineering, KNIT, Sultanpur Anand Raw, Bindeshwar Singh, S M Tripathi, and S P Singh	deepakknit21@gm ail.com,er.singh.di gvijay@gmail.com , hod.ee@knmiet.ed u dheeraj927@yahoo .co.in saurabh.kaushik@t atamotors.com, srinubabu.matta@t atamotors.com, sudhakars@tatamo tors.com suchita085@gmail. com	Frequency Controller for Parallel Hydel-Wind Power Generation         Enhancement of power system stability using fuzzy logic and genetic algorithm : key issues, challenges and opportunity         Recent Trends of Fuel Cell Technology in India         Hybrid Sources in Electrical Vehicle using DC-DC Converter         Enhancement of Transient Stability of Power Systems by TCSC with PI-based

		Department of Electrical		Fuzzy Logic Algorithms in MATLAB	
		Engineering, KNIT, Sultanpur (U.		Environments	
		P.)-228118			
93	NCRTES	K eshav P. Yadav, S P Singh,	keshav_yadav2008	Single-stage Single Switch AC-DC	
	-13_93	Deepedndra Singh, and B Singh	@rediffmail.com	Converter for Power Factor and Efficiency	
		EED, KNIT, Sultanpur (U. P.)		Enhancement	
94	NCRTES	Padma Chaturvedi, Dr. Ajay Shekhar	padmachaturvedi@	Speed Control of Three-phase Induction	
	-13_94	Pandey, S K Sinha, B Singh, and S	gmail.com	Motor using Multilevel Converters	
		P Singh			
		EED, KNIT, Sultanpur (U. P.)			
95	NCRTES	Neha Jaiswal, B Singh, and S P Singh	bindeshwar.singh2	Mathematical Modeling of Static VAR	
	-13_95	EED, KNIT, Sultanpur (U. P.)-	015@gmail.com	Compensator and TCSC	
			C	*	
96	NCRTES	Manvendra Singh, B Singh, and S P	manvendrasingh62	Performance analysis of Wind Drive Self	
	-13_96	Singh	3@gmail.com	Excited Induction Generator in Stand	
		EED, KNIT, Sultanpur		Alone Applications	
97	NCRTES	Awdhesh Singh Kushwaha, Singh, B	awadhesh.singh123	Application of Wavelet for Power Quality	
	-13_97	Singh, and S P Singh	@gmail.com	Analysis and Improvement	
		EED, KNIT, Sultanpur			
	NODTEG		11 0 1		
98	NCRIES	Mithilesh Kumar Kanaujia <sup>2</sup> , K K	kkpcee@gmail.com	D-STATCOM for Power Quality	
	-13_98	Chaudhary <sup>2</sup>		Enhancement	
		<sup>2</sup> EED, MMMEC, Gorakhpur (U. P.)			
		<sup>2</sup> Assistant Engineer, UPPTCL,			
		Azamgarh (U.P)			
99	NCRTES	Shah Alam Malik, Prof. S K Sinha,	er.samalik@gmail.c	Investigation of Transient Performance of	
	-13_99	and B. Singh	om	Induction Motor fed Electrical Vehicle	
		EED, KNIT, Sultanpur		with Fuzzy PID Controller	

## **Programme at a Glance**

#### Day-1: 05 April, 2013

09:00-10:00	Registration
10.00-11.00	Inaugural by Chief Guest
11.00-11.30	High Tea
11.30-13.00	Key Note Address: 01
13.00-14.00	Lunch
14.00-16:00	Expert Lecture: 02 & 03
	S-01: Renewable Energy Systems 1
	S-02: Power Systems
16.00-16:15	Tea
16:15-17:45	Expert Lecture: 04
20.30-22.00	<b>Conference Dinner</b>

#### Day-2: 06 April, 2013

8.30-9.15	Registration
9.15-11:15	Expert Lecture : 05 & 06
	S-03: Renewable Energy Systems 02
	S-04: Power Electronics and Drives
11:15-11:30	Теа
11.30-13:30	Expert Lecture : 07 & 08
	S-05: Power Quality
	S-06: Sustainable Development
13.30-14.30	Lunch
14.30-16.00	Expert Lecture : 09
	S-07: Power System Operation, Control, Planning,
	Economics and Management
16.00-16.15	Valedictory Session & Certificate Distribution
16.15- 17:00	High Tea

#### **Detailed Programme Schedule**

#### **S-01: Renewable Energy Systems 01**

S. No.	Paper ID	S-01: Renewable Energy Systems 01
		Title
1	NCRTES-13_07	Clean Energy With Smart Grid
2	NCRTES-13_11	Hybrid Solar-Wind Power System
3	NCRTES-13_14	Promoting Renewable Energy Technologies for Rural Development in India
4	NCRTES-13_15	Solar Thermal Energy System
5	NCRTES-13_17	Impact of solar power on conventional grid
6	NCRTES-13_19	India Stepping Towards Nuclear Power Plants: A Dicey Move
7	NCRTES-13_20	Compensation of Active Power to Control Grid Frequency by Wind Energy
8	NCRTES-13_27	Generator Topologies with Power Electronics Converters for a Wind Energy Conversion System: A Review
9	NCRTES-13_29	Designing a Standalone PV Solar System
10	NCRTES-13_35	Fuel cell And Its Technology
11	NCRTES-13_38	Single Diode Equivalent Simulink Model of PV Array
12	NCRTES-13_40	Energy System – Indian Prospective
13	NCRTES-13_88	Frequency Controller for Parallel Hydel-Wind Power Generation

#### S-02: Power Systems

		S-02: Power Systems
S.	Paper ID	Title
No.		Inte
1.	NCRTES-13_30	Control System For Smart Grid Operation
2.	NCRTES-13_31	Numerical Differential Protection of Power Transformer using GA Trained ANN
3.	NCRTES-13_32	Embedded System Based Prepaid Electricity Metering & Billing
4.	NCRTES-13_34	Role Of auto-reclosing in feeder management: Logic Scheme in Numerical relay
5.	NCRTES-13_36	Maximization of social welfare considering congestion in deregulated market
6.	NCRTES-13_42	Demonstrative Model On Wireless Power Transmission
7.	NCRTES-13_46	Ant Colony Optimization; Approach to Solve Travelling Salseman Problem
8.	NCRTES-13_51	Optimal switch placement in radial distribution system using GA and PSO
9.	NCRTES-13_58	Open Power Markets: Economics, management and challenges
10.	NCRTES-13_72	Harmonic Reduction and Reactive Power Compensation in Domestic Consumer Voltage Distribution System
11.	NCRTES-13_74	High Penetration of Distributed Generation with Voltage Step Constraint Using Multibjective Optimization
12.	NCRTES-13_77	Analysis of particle swarm optimization algorithm in economic load dispatch
13.	NCRTES-13_83	Power Quality Issues And Their Recent Solutions
14.	NCRTES-13_84	Fuzzy Logic Based UPFC Supplementary Controller for Damping Low Frequency Oscillations in Power System
15.	NCRTES-13_86	Enhancement of Voltage Profile Using Thyristor Controlled Switched Compensator in Power Systems

16.	NCRTES-13_87	Enhancement of Transient Stability of Power Systems by TCSC with PI-based Fuzzy Logic Algorithms in MATLAB Environments
17.	NCRTES-13_89	Enhancement Of Power System Stability Using Fuzzy Logic And Genetic Algorithm: A Key Issues, Challenges, And Opportunities

#### S-03: Renewable Energy Systems 02

S. No.	Paper ID	S-03: Renewable Energy Systems 02
		Title
1.	NCRTES-13_39	Excitation Process in Three Phase Squirrel Cage Induction Generator for Wind Mill Application
2.	NCRTES-13_48	A Review on E-Waste Management System & Related issues in India
3.	NCRTES-13_50	Osmotic Pressure based Method of Renewable Power Generation
4.	NCRTES-13_52	A Six Phase Induction Generator Connected Stand-
		Alone Wind Energy Conversion System
5.	NCRTES-13_53	Cyanobacteria: Source of Energy and Chemicals
6.	NCRTES-13_59	State of the Art generators for wind energy conversion system
7.	NCRTES-13_60	Matlab modelling and simulation of solar photovoltaic panel
8.	NCRTES-13_63	Luminescence materials as efficiency enhancer of Solar Cells
9.	NCRTES-13_66	Progress and recent trends in wind energy
	NCRTES-13_90	Recent Trends of Fuel Cell Technology in India
10	NCRTES-13_70	Energy Efficient Watermarking for Copyright Protection
11.	NCRTES-13_80	Efficient Energy Conservation In Ceramic Industry

12.	NCRTES-13_82	Amplitude & Frequency Control in standalone DFIG based Wind Energy Conversion System
13.	NCRTES-13_96	Performance analysis of Wind Drive Self Excited Induction Generator in Stand Alone Applications

#### **S-04: Power Electronics and Drives**

C	D ID	
S. No.	Paper ID	S-04: Power Electronics and Drives
		Title
1.	NCRTES-13_06	Simulation Based Operational Study of Z-source, Quasi-Z-source, and T-shaped-Z-source converter
2.	NCRTES-13_18	Simulink Model of PV Module and Implementation of MPPT Algorithm for a Single Phase Grid Connected PV Systems
3.	NCRTES-13_21	Excitation Process in Three Phase Squirrel Cage Induction Generator for Wind Mill Application
4.	NCRTES-13_23	A Comparative study between Sinusoidal PWM Modulation & Trapezoidal PWM Modulation
5.	NCRTES-13_37	New Continuous-Time Sliding Mode Controller For Speed Control Of Dc Servo Motor
6.	NCRTES-13_41	Comparison of Total Harmonic Distortion of Five- Level and Seven- Level PV inverter Using Novel Switching Approach with Perturb and Observation Method
7.	NCRTES-13_61	Non-Isolated Bidirectional Zero-Voltage-Switching DC-DC Converter Title
8.	NCRTES-13_65	Speed Control of DC Motor using IGBT Based Chopper
9.	NCRTES-13_67	Enhancement of Performance Parameters of Wind Power Plants: A Technological Literature Survey
10.	NCRTES-13_73	Performance Evaluation of a Chopper Fed H- Bridge Controlled DC Motor Drive
11.	NCRTES-13_76	Performance investigation of permanent magnet synchronous motor drive using vector controlled

		technique
12.	NCRTES-13_91	Hybrid Sources in Electrical Vehicle using DC-DC Converter
13.	NCRTES-13_93	Single-stage Single Switch AC-DC Converter for Power Factor and Efficiency Enhancement
14.	NCRTES-13_94	Speed Control of Three-phase Induction Motor using Multilevel Converters
15.	NCRTES-13_99	Investigation of Transient Performance of Induction Motor fed Electrical Vehicle with Fuzzy PID Controller

#### **S-05: Power Quality**

S.	Paper ID	S 05: Power Quelity
No.		5-05: Power Quality
		Title
1.	NCRTES-13_12	Enhancement of PQ by D-STATCOM: A Review
2.	NCRTES-13_25	Harmonic Mitigation Using Inverter Based Hybrid Shunt Active Power Filter
3.	NCRTES-13_33	In-Phase Compensation Technique of DVR for Voltage Quality Improvement
4.	NCRTES-13_44	Performance Analysis Of UPQC System Based On Multiple Inversion Techniques
5.	NCRTES-13_45	Improving Current Quality Problems Of Power System Using Modern Power Electronics
6.	NCRTES-13_62	Power Quality Aspects of Induction Generator And Three Phase IG in Single Phase Operation
7.	NCRTES-13_71	Elimination of harmonics in power system by the combination of passive and active filter with p-q control technique
8.	NCRTES-13_78	Power quality investigation techniques: a brief overview
9.	NCRTES-13_79	Design of unified power quality conditioner (UPQC) to improve the power quality problems by using renewable energy source

10.	NCRTES-13_85	Power Saving Street Lights Using Advance Sensors
11.	NCRTES-13_87	Power Quality improvement of Distribution networks using DVR
12.	NCRTES-13_97	Application of Wavelet for Power Quality Analysis and Improvement
13.	NCRTES-13_98	D-STATCOM for Power Quality Enhancement

#### S-06: Sustainable Development

<b>S.</b>	Paper ID	S-06: Sustainable Development
No.		Title
1.	NCRTES-13_01	Photo response in Cadmium Sulfide Nano-particles Prepared via Simple Solid State Reaction Approach
2.	NCRTES-13_02	Design Of Microcontroller Based Three Phase Preventor And Selector System For Industrial Appliances
3.	NCRTES-13_03	Three Phase Preventor And Selector For Industrial Appliances Using 89s52
4.	NCRTES-13_04	Analysis of Mental Retardation Based on Facial Features
5.	NCRTES-13_05	Selection of Optimum Wavelet Filter and Proper Level of Decomposition to Design an MRPID Controller Connected to a Liquid Level System
6.	NCRTES-13_08	Vibration Analysis of In-coach Rail Travel and its Effects on Health
7.	NCRTES-13_13	Temperature Control Of Continuous Stirred Tank Reactor Using Different Controllers
8.	NCRTES-13_16	A Study on Traffic Adaptive MAC Protocols for Wireless Body Area Network
9.	NCRTES-13_24	Analysis of convective heat transfer coefficient in nano fluid Ethylene glycol and Al2O3 in a double pipe heat exchanger
10.	NCRTES-13_26	Investigation Of Fluid Structure Interaction Of A

		Head Stack Assembly In A Hard Disk Drive
11.	NCRTES-13_28	Seismic Safety of Lifeline Structures
12	NCRTES-13_47	A review on quality of service techniques over ip network
13.	NCRTES-13_56	The Eu3+-Yb3+ codoped Y2O3 phosphor as NIR to visible up converter
14.	NCRTES-13_57	Multilayer Restoration for Survivability in WDM Mesh Networks
15.	NCRTES-13_68	Analysis of Design Metrics For Quality in Open Source Software

#### S-07: Power System operation, Control, Planning, Economics and <u>Management</u>

S.	Paper ID	S-07: Power System operation, Control, Planning, Economics and Management
No.		Title
1.	NCRTES-13_09	Review of Off Shore Wind Farm: Development, Control and Protection Strategy
2.	NCRTES-13_10	Classical Approach to Solve Economic Load Dispatch Problem of Thermal Generating Unit Using Lambda Iteration Method in MATLAB Programming
3.	NCRTES-13_22	Control & Operation of Dynamic Voltage Restorer
4.	NCRTES-13_43	Automatic Railway Control System
5.	NCRTES-13_49	Reactive Power Support By SVC for Clearance of three-phase Fault in Power System Environments
6.	NCRTES-13_54	Enhancement of Voltage Profile of Power System Networks Using Static Var Compensator
7.	NCRTES-13_55	Evaluation of First Swing Stability of a Large Power System with Various FACTS Devices
8.	NCRTES-13_64	Power Flow Control in Power System Networks Using TCSC

9.	NCRTES-13_69	Application of FACTS Controllers in Multi-Machine Power System Environments
10.	NCRTES-13_75	Maximization of Social Welfare and Economic Power generation scheduled based on DCOPF in Day ahead wholesale Power Market
11.	NCRTES-13_81	FACTS Controllers: A Key Issues, Challenges, and Opportunities
12.	NCRTES-13_95	Mathematical Modeling of Static VAR Compensator and TCSC

### **Lists of Key Note Speakers for NCRTES-13**



Prof. S P Singh, IIT (BHU), Varanasi



Prof. K. S. Verma, Director, KNIT



Prof. R K Mishra, IIT (BHU), Varanasi



Prof. R Mahanty, IIT (BHU), Varanasi



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