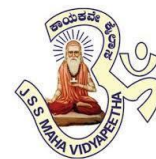




JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Electrical Engineering.



FACULTY PROFILE

1. Personal Details

NAME	Dr. Abhinav Saxena
DEPARTMENT	Electrical Engineering
DESIGNATION	Assistant Professor
PHONE	8909263616,9810241846
EMAIL ID	abhinav.saxena@jssaten.ac.in
Date of Joining (JSSATEN)	07-10-2014



2. Experience

Total Experience in Years: 08	Teaching: 08 Years	Industry: NIL	Research: 05 year (including Ph.D.)
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E. / M.Sc.,	Electrical Engineering	2011	JSSATE Noida	UPTU
M.E. / M.Tech. / M.Sc.	Electrical Engineering	2013	IIT Roorkee	IIT Roorkee
Ph.D.	Electrical Engineering	2020	Jamia Millia Islamia, New Delhi	Jamia Millia Islamia, New Delhi

4. Research & Publications

	International	National
Papers Published in Science Citation Index(SCI)Journals	07	00
Papers Published in Web of Science indexed Journals	13	00
Papers Published in SCOPUS indexed Journals	16	01

Papers Published in other Journals	02	00
Papers Presented in Conferences / Symposium	24	02
Books / Book chaptersPublished	Book chapter: 03	
	1. Name of the book: lecture notes on electrical engineering Publisher: Springer Year of Publication: 2021	
	2. Name of the book: Applications of Artificial Intelligence Techniques in Engineering Publisher: Springer Year of Publication: 2019	
	3. Name of the book: Advance In Engineering And Technology Publisher: TMH Year of Publication: 2015	

5. Research Guidance

PhD Guide? Give field & University	Yes, a) Wind driven PMSG b) Electric vehicle	University: a. G.D Goenka University, Gurgaon b. Shobhit University, Meerut, U.P
PhDs / Projects Guided	Ph.D. Awarded: Ph.D.Guiding: 02 (Two)	Projects at Master's Level: NIL Projects at Bachelor's Level: 12

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Maximum power extraction from solar PV Array in distributed system using soft computing technique	5 Lacs.	2018	3 Year	AKTU VRPS

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed/published
1	autonomous switching & controlling of domestic home appliances in single switch board	Published
2	System And Method for Remotely Controlled Home Appliances	Published
3	Detection and monitoring of Covid-19 from smart phone and digital clock using intelligent technique	filed
4	Intelligent controlling and monitoring of charging and discharging of electric vehicle batteries	Published

5	Optimal interference minimization between communication and transmission line using artificial intelligence based electromagnetic waves method	Published
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iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
NIL				

7. Awards Received

Awards	1. Best Teacher Award 2021 from Dr. A.P.J Abdul kalam technical university, Lucknow.
	2. Best Paper Presentation Award in ICRAMSTEL 2019

8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Optimal Intelligent Strategic LMP Solution & Effect of DG in Deregulated System for Congestion Management	Abhinav Saxena	International Transactions on Electrical Energy Systems	accepted	SCI	2.86	Wiley
2	Inter-turn fault stability enrichment & diagnostic analysis of power system network using wavelet transformation-based sample data control & Fuzzy logic Controller	Arunesh Singh, Abhinav Saxena, N Roy, U chaudhary	Transactions of the Institute of Measurement and Control, SAGE Journal	Vol.43, Issue:12, 2021	SCI	1.796	SAGE Journal
3	A novel neuro-fuzzy control scheme for wind-driven DFIG with ANN-controlled solar PV array	A.K Singh, Abhinav Saxena	Environment, Development and Sustainability, Springer	vol.22, issue-7, 2020	SCI	3.219	Springer
4	Impact Review Analysis & Scope of Noise Pollution for Energy Harvesting	Abhinav Saxena, A K Singh, Shahida Khaton, Kriti	Journal of engineering and research	accepted	SCI	0.76	Kuwait University

5	Optimal Converging distributed load allocation of three generating units using Genetic Algorithm (GAs)	Abhinav Saxena, Prashant, Nirmal Kumar Agarwal, Md. Abul Kalam, Nitin Kumar Pal	Baltica Journal	Vol. 33 Issue no 12, 2020	SCI	1.037	Baltica Journal
6	Robust designing of Wind Power based Doubly fed Induction generator (DFIG) using ANN Controlled Solar PV Array feeding 9-IEEE Bus System	Arunesh Singh, Abhinav Saxena	Journal of Engineering Technology	Vol. 7, 2018	SCI	1.3	Journal of Engineering Technology
7	Modelling, Simulation, controlling of eddy current braking system using intelligent controller”, Journal of fuzzy & intelligent system	Arunesh Singh, Abhinav Saxena, ASharma, Ibraheem	JIFS	vol.36, no.3, 2018	SCI	1.851	JIFS
8	Implicit control of eddy current braking system using fuzzy logic controller (FLC) and particle swarm optimization (PSO)	Arunesh Singh, Abhinav Saxena, ASharma, Ibraheem	Journal of Discrete Mathematical Science & Cryptography	Vol.22, Issue- 2, 2019	ESCI	0.31	Taylor & Francis
9	Smart grid in distributed system: A review	Abhinav Saxena, Nirmal Kumar Agarwal, Sudhanshu, Rakesh	Journal of mechanics of continua and mathematical sciences,2020	Accepted	WoS & ESCI	accepted	Journal of mechanics of continua and mathematical sciences
10	Implementation Of Fuzzy Logic Controller in Solar PV Array Based Ac Drives	Arunesh Singh, Abhinav Saxena	International Journal of Recent Technology and Engineering, IJRTE	Volume-8, Issue-2S7, 2019	Scopus	0.16	Elsevier
11	An Advance Methodology for Hybrid Modelling and Selection of Grid Integrated Renewable	Prashant, Abhinav Saxena, Anwar, satyam,	International Journal of Recent Technology and	Volume-8, Issue-2S7, 2019	Scopus	0.16	Elsevier

	Energy [Wind/Solar] Profile Through Proteus	vidushi	Engineering, IJRTE				
12	Optimal load distribution of thermal generating units using particle swarm optimization (PSO)	Abhinav Saxena,G M Patil,ppt,arun , Nirmal Kumar Agarwal, prashant	International Journal of Recent Technology and Engineering, IJRTE	Volume-8, Issue-2S7, 2019	Scopus	0.16	Elsevier
13	Speed control of dc motor using fuzzy logic	Abhinav Saxena, A K singh, ppt, palak, waris	Journal of material science & engineering	Vol 594, Issue 1, 2019	Scopus	0.03	IOP Press
14	Novel Power Coefficient for extracting the maximum power in wind power based Doubly fed Induction generator (DFIG) using vector control	Abhinav Saxena, A. Singh, prashant, waris	Journal of material science & engineering	Vol 594, Issue 1, 2019	Scopus	0.03	IOP Press
15	Implicit control of Induction Motor using Genetic Algorithm	Abhinav Saxena, A. Singh	International Journal of Energy Technology and Policy	Accepted	Scopus	-	Publisher Inderscience
16	Construction Of Extra High Voltage Transmission Line Using MATLAB	Abhinav Saxena, shashank	International Journal of Latest Technology in Engineering, Management & Applied Science	Vol.7, Issue.3,2018	UGC Journal	-	UGC Journal
17	MODELING OF 3 PHASE INDUCTION MOTOR IN DIFFERENT REFERENCE FRAME	Abhinav Saxena, A singh	TIT International Journal of Science & Technology	Vol:04, No:01, 2015		-	TIT International Journal of Science & Technology
18	Comparison between Wound Rotor Induction Motor and Doubly Fed Induction Motor Under Different Fault Condition	Abhinav Saxena, A singh, shipra, saurabh, kodank	IJERT	Vol. 5 Issue 10, 2016		-	IJERT

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
NIL							

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Publisher
1	Optimization of Second Order Non-linear System using Fuzzy Logic Controller	G.M Patil, Abhinav Saxena, Aishwarya Patil	IEEE International Conference on Computing, Electronics & Communications Engineering 2019	ISBN: 1927-6338. 10.1109/iCCECE46942.2019.8941791. London Metropolitan University, London, UK	WOS & Scopus	IEEE International Conference, Published at London Metropolitan University, London, UK
2	Human following Robot	Amit kumar sharma, akashpandey, mohd. Ammar khan, abhinav tripathi, Abhinav saxena, pankaj kumar yadav	IEEE International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Greater Noida	ISBN: 978-1-7281-7742-7, Doi: 10.1109/ICACITE51222.2021.9404758	WOS & Scopus	IEEE Xplore
3	A new implicit design & controlling of LQR for electric vehicle	Abhinav Saxena, G.M Patil, Anuradha, sajid, Siddhartha, abhishek	ICCSEMS 2020		-	ICCSEMS 2020, JSSATE, Noida
4	Power failure Fault detection wavelet transformation Algorithm for Transmission line network	Abhinav Saxena, Y.K singh, Ajai, satyam, Mohit, abhishek	ICCSEMS 2020		-	ICCSEMS 2020, JSSATE, Noida
5	Vector Control Analysis of Doubly fed Induction generator (DFIG) for different controlled	Abhinav Saxena, A singh, Ankit, Sitesh, Anmol, Sharik	IEEE Conference INDIACOM 2018	ISBN 978-93-80544-28-1	WOS & Scopus	IEEE Xplore

	parameters					
6	Wind Power Based Doubly Fed Induction Generator (DFIG) For the Speed Control Using Rotor Side and Grid Side Converter	Abhinav Saxena,Asingh, Abhishek, Raj, Tanul	IEEE Conference INDIACOM 2018	ISBN 978-93-80544-28-1	WOS &Scopus	IEEE Xplore
7	Study of various FACTS devices for steady and dynamic state stability of Power System	Abhinav Saxena, Palak Tulsyan, Asingh, prashant	IEEE Conference INDIACOM 2018	ISBN 978-93-80544-28-1	WOS & Scopus	IEEE Xplore
8	A Review on DC Distributed System	Arunesh Singh, Abhinav Saxena, Asif	National Conference (NCSES),JSS ATE Noida	ISBN: 978-93-5361-694-6, June, 2019	-	National Conference (NCSES),JSSATE Noida
9	Underground Cable Fault Detection Using Arduino and GSM (5 V D.C.)	Abhinav Saxena,Nirmal Kumar Agarwal, Priya singh,vijaytomar,tusharjain,shivamsamrat	National Conference (NCSES), JSSATE Noida	ISBN: 978-93-5361-694-6, June,2019	-	National Conference (NCSES), JSSATE Noida
10	Advancement in Energy meter Reading	Abhinav Saxena,ppt,akashay,anshuman	International Conference on SV-TDFS 2018, Manipal University Jaipur, Rajasthan	ISBN: 978-81-938236-5-1, Oct, 2018	-	International Conference on SV-TDFS,Manipal University Jaipur, Rajasthan
11	Photovoltaic Applications through multi-level cascading of DC/DC Converter	Abhinav Saxena,ppt,vasu,shreya,anurag	International Conference on SV-TDFS 2018, Manipal University Jaipur, Rajasthan	ISBN: 978-81-938236-5-1, Oct, 2018	-	International Conference on SV-TDFS,Manipal University Jaipur, Rajasthan
12	Scada and its application in power generation and distribution	Abhinav Saxena,ppt,apar,aprajita	International Conference on SV-TDFS 2018, Manipal University	ISBN: 978-81-938236-5-1, Oct, 2018	-	International Conference on SV-TDFS,Manipal University Jaipur, Rajasthan

	system		Jaipur, Rajasthan			
13	Hybrid approach for Digital Watermarking using Intelligent System and Discrete Wavelet Transform (DWT)	Abhinav Saxena, A singh, rinkigoyal	International Conference on SV-TDFS 2018, Manipal University Jaipur, Rajasthan	ISBN: 978-81-938236-5-1, Oct, 2018	-	International Conference on SV-TDFS, Manipal University Jaipur, Rajasthan
14	Sensor less fault analysis of Doubly fed induction motor	A Saxena, A singh	IEEE Sponsored Conference, NSC-2017, Dayalbagh(DEL), Dec-2017		WOS & Scopus	IEEE
15	Analysis of 3-phase Induction Motor in Different Speed Reference Frame Coordinates	Abhinav Saxena, Nirmal Kumar Agarwal, Prashant	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)	ISBN: 978-1-5386-0814-2 (DOI: 10.1109/ICPCSI.2017.8391772), June 2018	WOS & Scopus	IEEE
16	Fault Injection Analysis of Wound Rotor Induction Motor and Doubly Fed Induction Motor (DFIG)	Abhinav Saxena, Prashant, shipra, saurabh, kodank, aniket	IEEE International Conference on INDIACOM 2017	ISBN 978-93-80544-24-3, 2017	WOS & Scopus	IEEE International Conference on INDIACOM 2017
17	Analysis of Speed Control of Doubly Fed Induction Machine (DFIG) using Different Techniques	Abhinav Saxena, Asrivastava, vijay, sumeta, pulkit	IEEE International Conference on INDIACOM 2017	ISBN: 978-93-80544-24-3, 2017	WOS & Scopus	IEEE International Conference on INDIACOM 2017
18	Performance of Sensor and Sensor less Doubly fed Induction motor (DFIG)	Abhinav Saxena, Asingh	IEEE Explorer International Conference on ICPEICES 2016	ISBN 978-1-4673-8587-9, Doi: 10.1109/ICPEICES.2016.7853315	WOS & Scopus	IEEE Explorer

	under the current sensor fault					
19	Analysis of Intelligence Techniques on Sensor less Speed Control of Doubly fed Induction machine (DFIG)	Abhinav Saxena,Asingh,pawar,sangeeta	IEEE Explorer International Conference on INDIACOM 2016	ISBN 978-93-80544-20-5, 2016	WOS & Scopus	IEEE
20	Comparative analysis of Sensor-less speed control of Three phase Induction motor	Abhinav Saxena,divyanshi,shipra,dushyant,periyal	IEEE Explorer International Conference on INDIACOM 2016	ISBN 978-93-80544-20-5, 2016	WOS & Scopus	IEEE
21	Limitation and improvement in the course outcome	Abhinav Saxena, V Chandna	IEEE Explorer International Conference on MITE 2015	ISBN 978-1-4673-6746-2/15, 2015	WOS & Scopus	IEEE
22	Sensor less Speed estimation of 3 phase Induction motor for open loop system	Abhinav Saxena, A Singh	International conference 'GYANODAYA 2015		-	
23	Torque and speed response of doubly fed induction machine under current sensor fault	Abhinav Saxena, A Singh	ETEEE 2015		-	ETEEE 2015 at JAMIA MILLIA ISLAMIA2015
24	Comparative Analysis of Hydropower Plant Using MATLAB/SIMULINK	Abhinav Saxena, Nirmal Kumar Agarwal, Rajesh	International Conference on Advances in Business and Engineering for Sustainability	2018	-	UGC
25	Comparative Analysis of DC-DC Converter for Application in	Abhinav Saxena,akalamb,ppt,priya	International Conference on Advances in Business and Engineering	2018	-	UGC

	Energy System based on Renewable Energy Resources		for Sustainability			
26	Protection of 3-phase Induction motor under 1phase fault	Abhinav Saxena,bisoyi ,prashant	International Conference on Advances in Business and Engineering for Sustainability	2018	-	UGC

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	ICCSEMS	JSSATEN	25-26 th September 2020
2	Reliable solution and development	JSSATEN	12-17 October 2018
3	ROBOTICS	BIT Meerut	8 September – 13 sep 2013
4	Research methodology	JSSATEN	26 Dec-8Jan 2016
5	Power electronics based renewable energy	ABES Ghaziabad	8 july-13 july 2013
6	Power system network	VIET Dadri	15 sep-28 sep 2015
7	Digital Learning with Multidisciplinary Approaches (DLMA)	JSSATEN	12-17 th June 2020
8	Recent development in power system	JSSATEN	11-15 June 2018
9	Solar PV and distributed system	JSSATEN	07-12 Dec 2020

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	National Conference NCSES 2019	JSSATE Noida	14 th -15 th June, 2019	Publication Committee
2	International Conference ICCSEMS 2020	JSSATE Noida	25 th -26 th Sept, 2020	Publication Committee
3	NCSEVES 2021	JSSATE Noida	24-sep-2021	Publication Committee

vi. Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Blockchain Technology, Research Avenues, and its applications	DST	12 th -17 th July, 2021

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
NIL				

10. Membership of Professional Bodies:

- | |
|---|
| 1. Life Membership in Indian Society for Technical Education (ISTE)-LM97099 |
|---|

11. Any other information you will like to share about your professional experience

- i) Session Chair in IEEE Conference ICCAT 2021
- ii) Session Chair in IEEE Conference GCAT 2021