




JSS Mahavidyapeetha
JSS Academy of Technical Education
Department of Electrical Engineering



FACULTY PROFILE

1. Personal Details

NAME	Dr. Gunjan Varshney	
DEPARTMENT	Electrical Engineering	
DESIGNATION	Assistant Professor	
PHONE	9873252351	
EMAIL ID	gunjanvarshney.eed@jssaten.ac.in	
Date of Joining (JSSATEN)	08.08.2007	

2. Experience

Total Experience in Years	Teaching: 17 Years	Industry: NIL	Research: 8 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E. / M.Sc.,	Electrical Engineering	2004	Engineering College Kota, Kota	University of Rajasthan, Jaipur
M.E. / M.Tech. / M.Sc.	Electrical Power and Energy Systems	2012	AKGEC, Ghaziabad	Dr. AKTU, Lucknow
Ph.D.	Faculty of Electrical Engineering	2019	Department of Electrical Engineering, Dehradun	Uttarakhand Technical University, Dehradun

4. Research & Publications

Papers Published in Web of Science indexed Journals	International : 01	National: NIL
Papers Published in SCOPUS indexed Journals	International : 02	National: NIL
Papers Published in other Journals	International : 04	National: 01

Papers Presented in Conferences / Symposium	International : 06	National: 03
Books / Book chaptersPublished	Name of the book: NIL	
	Publisher: NIL	
	Year of Publication: NIL	

5. Research Guidance

PhD Guide? Give field & University	NIL	NIL
PhDs / Projects Guided	NIL	Projects at Bachelor's Level: 24

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Wall Mounted Automatic Hand Sanitizer	\$4665	12-11-2020	6 Months	IEEE HAC & SIGHT
UV Sanitization Box	\$400	23.07.2021	6 Months	IEEE HAC

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1.	Vehicle Speeding Detection: Automatic Vehicle Speed Detection, Notification And Location Tracking Alert System	15.01.2021

iii. Consultancy

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

7. Awards Received

Awards "Best Paper Award"	Received Gold medal in M.Tech.
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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.	A neuro-genetic Hopfield associative memory (HAM) with improved noise immunity	Sudeep Varshney , T.P. Singh , Amit Singh , Pushpendra K. Rajput, Amit Singhal, Gunjan Varshney	International journal of Materials Today: Proceedings	2021	Scopus	1.24	Elsevier Publications
2.	Grid Connected Solar PV Systems using Carbon Material Based DYE Sensitized Solar Cells	Gunjan varshney, D.S. Chauhan & M.P. Dave	International journal of Materials Today: Proceedings	Vol. 34	Scopus	1.24	Elsevier Publications
3.	Unit Template based Control of PV-DSTATCOM	Gunjan varshney, D.S. Chauhan & M.P. Dave	Recent advances in Electrical & Electronics Engineering	Vol. 13	Both	0.59	Bentham science Publishers
4.	Evaluation of Power Quality issues in grid connected PV systems	Gunjan varshney, D.S. Chauhan & M.P. Dave	IJECE	Vol.6			Institute of Advanced Engineering and Science
5.	Modeling, Simulation and Control of Photovoltaic based DSTATCOM	Gunjan varshney, D.S. Chauhan & M.P. Dave	JJEE	Vol.2			SRISF,TTU
6.	Effect of Partial Shading on Characteristics of PV panel using Simscape	Amardeep Chaudhary, Shriya Gupta, Dhriti pandey, Fazal Mahfoos & Gunjan	IJERA	Vol.5			IJERA

		Varshney					
7.	SimScape based Modelling and Simulation of MPPT Controller for PV Systems	Gunjan varshney, D.S. Chauhan & M.P. Dave	IOSR-JEEE	Vol.9			International Organization Of Scientific Research

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
1.	Power Quality Issues and Mitigating Techniques	Gunjan varshney, D.S. Chauhan & M.P. Dave	Journal of Scientific and Technical Research	Vol.2			

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1.	Design and Modelling of Hybrid Power Generation System Using Solar PV and Wind Turbine	Udit Mittal, Gunjan Varshney, Amit Kumar Roy and Abhilasha Pawar	International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems	2021			
2.	Routing Techniques used for Monitoring the Linear Structures using Linear Wireless Sensor Networks: An Overview	Sudeep Varshney, Pushpendra K. singh, Amit Singh and Gunjan Varshney	International conference on Computing, Communication, and Intelligent Systems (ICCCIS)	2019	Scopus		IEEE
3.	Modelling And Simulation of MPPT Based PV system using Buck Converter	Arpit Agrawal, Aman Bansal & Gunjan Varshney	International Conference on Changing Technological and managerial scenario: Aspects	2015			

			and Prospects				
4.	Learning through Modern Tools in Power Quality to Evaluate Course Outcomes	Amit Kr. Roy, Gunjan Varshney & Dr. V.K. Chandna	International conference on MOOCS	2015	Scopus		IEEE
5.	Performance Analysis of Photovoltaic based DSTATCOM using SRF and IRP Control Theory	Varshney,G., Chauhan, D.,S. & Dave, M.,P.	International conference on Next Generation Computing Technologies	2015	Scopus		IEEE
6.	Simulation and Performance Analysis of Controllers for DSTATCOM for Power Quality Improvement	Varshney,G., Chauhan, D.,S. & Dave, M.,P.	World conference on Advances in Communication & Control Systems	2013			

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference/FDP	Organizer	Date
1.	One Week FDP on “Wireless Sensor Networks and IOT ”	Sharda University, Gr. Noida.	18.01.2021- 22.01.2021
2.	One Week FDP on “Power System Optimization & Control” held online by	Rajkiya Engineering College Ambedkar Nagar, Uttar Pradesh.	14.12.2020- 18.12.2020
3.	One Week FDP on “Human Values and Ethics”	Sharda University, Gr. Noida.	6.07.2020- 11.07.2020
4.	One Week FDP on “Energy Management in Smart City”	Sharda University, Gr. Noida.	15.06.2020 – 19.06.2020
5.	One Week FDP on “Recent Advances in Power Electronics Applications with MATLAB Simulations”	NIT Patna	25.05.2020 – 30.05.2020
6.	One Week FDP on “Role of IOT, Embedded, Electric Vehicle and Power Electronic Converters for Smart World”	St. Joseph College of Engineering, Chennai.	18.05.2020-22.05.2020
7.	Two Week summer school on “Intelligent Internet of Things”	JIIT, Noida	24.06.2019-06.07.2019
8.	One Week FDP on “Sustainable Reliable	JSSATE, Noida	08.10.2018-13.10.2018

	solutions to Power Quality problems in Smart Power System Network”		
9.	One Week FDP on “Recent Development in Power Systems”	JSSATE, Noida	11.06.2018-15.06.2018
10.	Two Week summer school on “Security on Computing”	JIIT, Noida	25.06.2018-7.07.2018
11.	One week FDP on “Power System and Operation Control”	GNIOT, Greater Noida	23.05.2017-27.05.2017
12.	Two Week Faculty Development Programme on “MATLAB & Its Applications”	MAIT, Kota	22-06-2015 to 03-07-2015
13.	Two Week Summer Training Programme on “SCADA & Its Applications”	AMU, Aligarh	03-06-2015 to 12-06-2015
14.	One Week AICTE sponsored TEQIP on “Solar Power & Space Conditioning”	IIT , Delhi	02-06-2014 to 08-06-2014
15.	One Week AICTE recognized Short Term Course on Power Electronics	NITTTR , Chandigarh	13-05-2013 to 17-05-2013

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
	NIL	NIL	NIL	NIL

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

Sl. No.	Name of the workshop / Conference	Organizer	Date
	NIL	NIL	NIL

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1.	Accreditation and Outcome Based Education	NPTEL –Elite Gold	10.11.2019	90%
2.	Understanding research methods	COURSERA	30.01.2020	100%
3.	Exploring Renewable Energy Schemes	COURSERA	10.02.2020	100%
4.	Electric Power Systems	COURSERA	02.07.2020	90%
5.	Electric Utilities Fundamentals and Future	COURSERA	12.07.2020	98.06%

10. Membership of Professional Bodies:

1. Senior Member of IEEE (SMIEEE)- 92278631

2. Life Membership in Indian Society for Technical Education (MISTE)-LM58717

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

NIL