Name	Anubha Gautam
Designation	Assistant Professor
Date of Joining	Feb 17, 2011
Qualification	PhD (Electrical Engineering)
Area of interest	Power Electronics
Teaching Experience	21 Years
E-mail	anubhagautam@jcboseust.ac.in
	gautamanubha.12@gmail.com

Publications

International/National Journals:

1. Gautam, A., Sharma, P., Kumar, Y., Sharma, G., Gautam, A., Çelik, E., & Öztürk, N. (2023). Sensitivity Factor-Based Congestion Mitigation in DPS Applying Novel Hybrid GWPSO. *Electric Power Components and Systems*, *51*(6), 555–567. https://doi.org/10.1080/15325008.2023.2178545

2. Gautam Anubha, Dhir Rachna, Economizing Generation Cost by Alleviating Congestion in DPS Employing FACTS Devices, International Journal of Electrical and Electronics Engineering, Vol.11(3), pp. 65-75, 2024.

3. Anubha Gautam, Rachna Dhir, A Comprehensive Topology Review and Comparative Analysis of Wind Energy Conversion Systems, International Journal of Science and Research (IJSR), vol. 13(2), pp. 1518-1524, 2024

4. Gautam Anubha, Dhir Rachna, Investigation into the Behavioral Characteristics of Photovoltaic Cells using MATLAB /Simulink, Journal of University of Shanghai for Science and Technology, vol. 26 (1), pp. 63-72,2024

5. Anubha Gautam, Rachna Dhir, Optimizing deregulated power systems: Facts devices for congestion alleviation and cost reduction, International Journal of Advances in Electrical Engineering, vol.5(1), pp. 22-30, 2024.

6. Gautam, A., Sharma, P.R., Kumar, Y. (2023). Application of a Novel Method to Reduce Congestion in DPS Applying TCSC. In: Singhal, P., Kalra, S., Singh, B., Bansal, R.C. (eds) Recent Developments in Electrical and Electronics Engineering. Lecture Notes in Electrical Engineering, vol 979. Springer, Singapore. https://doi.org/10.1007/978-981-19-7993-4_13

7. Gautam, A., Sharma, P. & Kumar, Y. Mitigating congestion by optimal rescheduling of generators applying hybrid PSO–GWO in deregulated environment. *SN Appl. Sci.* **3**, 69 (2021). https://doi.org/10.1007/s42452-020-04084-0

8. Anubha Gautam, Parsh Ram Sharma, and Yogendra Kumar, "Sensitivity Based Congestion Management in a Deregulated Power System by Optimal Allocation & Parameter Setting of TCSC using Grey Wolf Optimization", *International Journal on Electrical Engineering and Informatics,* volume 12, number 4, December 2020, DOI: 10.15676/ijeei.2020.12.4.12.

9. Anubha Gautam, Parsh Ram Sharma, and Yogendra Kumar," Mitigating Congestion in Restructured Power System using FACTS Allocation by Sensitivity Factors and Parameter Optimized by GWO", *Advances in Science, Technology and Engineering*

Systems Journal (ASTESJ), volume 5, issue 5, page 1-10, September 2020. DOI: 10.25046/aj050501.

10. Anubha Gautam, Parsh Ram Sharma, and Yogendra Kumar, "ATC Evaluation and Maximization by Optimal Sizing & Location of TCSC using Grey Wolf Optimization", *International Journal of Engineering and Advance Technology,* Volume-8 Issue-5, June 2019. ISSN: 2249-8958

11. Anubha Gautam, Parsh Ram Sharma, and Yogendra Kumar, "Real & Reactive Power Loss Minimization In Power System By Optimizing Size And Location Of TCSC & SVC Using Grey Wolf Optimisation", *Journal of Emerging Technologies and Innovative Research,*ISSN:2349-5162, Vol.5, Issue 9, page no. pp270-285, September-2018,

12. Anubha Gautam, Parsh Ram Sharma, and Yogendra Kumar, "A review on Congestion management utilizing FACTS devices in deregulated environment with security constraint", *Journal of Emerging Technologies and Innovative Research*, ISSN:2349-5162, Vol.5, Issue 6, page no. pp127-133, June 2018.

International / National Conferences Presented:

1. Anubha Gautam, Parsh Ram Sharma, and Yogendra Kumar, "Application Of A Novel Method to Reduce Congestion in DPS Applying TCSC", International Conference on Recent Developments in Electrical and Electronics Engineering (ICRDEEE 2022), 15-16 April 2022, J C Bose UST, YMCA, Faridabad.

2. Anubha Gautam, Parsh Ram Sharma, and Yogendra Kumar , "Congestion Management by Sensitivity based approach for optimal allocation & parameter setting of TCSC using Grey Wolf optimisation", *International Conference on Power, Control and Computing Technologies (ICPC2T)*, IEEE conference, NIT, Raipur, April 2020, DOI: 10.1109/ICPC2T48082.2020.9071487.

3. Anubha Gautam, Parsh Ram Sharma, and Yogendra Kumar, "Sensitivity based ATC Maximization by Optimal Placement of TCSC applying Grey Wolf Optimization", *International Conference on Recent Developments in Control, Automation and Power Engineering*, *RDCAPE,* IEEE conference, October 2019, DOI: 10.1109/RDCAPE47089.2019.8979016.

4. Shipra Aggarwal and Anubha Gautam, "Power system stability enhancement using FACTS device", *International conference of sustainable development through Research in engineering and management (SDREM-16),* December 2016.

5. Naveen Upadhyay, Shipra Aggarwal and Anubha Gautam, "Power control and voltage profile enhancement with the realization of static synchronous series compensator", *National conference on contemporary computing,* AITM, November 2016.

6. Naveen Upadhyay, Shipra Aggarwal and Anubha Gautam, "Recycled plastic sleepers for metro and other railway projects", *National conference on Role of science and technology towards Make in India*, ISBN: 978-93-5265-441-3, YMCA, Faridabad, 5-7 March 2016.

7. Shipra Aggarwal and Anubha Gautam, "Speed control methods of Induction motors", *National conference on Role of science and technology towards Make in India*, ISBN: 978-93-5265-441-3, YMCA, Faridabad, 5-7 March 2016.

8. Anubha Gautam & Amrinder Kaur, "Power transformer conditioning, monitoring & remnant life assessment", *International Conference on Various facets of energy technologies and its management for sustainable development* , JNU , New Delhi, 16th - 17th March 2013.

9. Anubha Gautam & P.R. Sharma, "Congestion management in Deregulated environment by utilization of FACTS devices: A review", *National Conference on New paradigms in electronics, communication and Computing* , EIT, Faridabad ,19th May 2012.

10.   Anubha Gautam & Anurag Gautam, "Stability analysis of Thyristor controlled series compensation using simulink", *M R International Journal of Engineering & Technology* , Vol. 3, No1 ,June 2011.

Short Term Courses/ Workshops/Seminar Attended:

Sr. No.	Title	Organized by	Session
	Control Techniques for Renewable energy systems	NSUT,Delhi	8th-12th July 2024
	Modelling,simulation and control of Renewable energy systems(MSCRES)	NSUT,Delhi	12th-16th June 2023
1	Issues and challenges of grid connected renewable energy sources (ICGCRE) -2023	Jamia Millia Islamia, New Delhi	21st-25th Feb 2022
2	Recent Challenges and Development in Solar Energy Technologies and its applications	J C B UST, YMCA, Faridabad	24th-29th Jan 2022
3	Electrical Vehicle techniques with OPAL-RT Solutions	J C B UST, YMCA, Faridabad	20th-25th Dec 2021
4	Intellectual Property Rights	J C B UST, YMCA, Faridabad	23rd -28th Aug 2021
5	Principles and advances in Electromagnetics	Indian Institute of Technology, Madras	22nd-27th March 2021
6	Role of Power Electronics in Power Engineering	Indian Institute of Technology, Gandhinagar	8th-12th March 2021
7	Power Electronics Applications in Microgrid and Electric Vehicle Systems	J C B UST, YMCA, Faridabad	1st -6th Jan 2021
8	Online FDP on "Digital Circuit Implementation Using Zynq FPGA IC"	J C B UST, YMCA, Faridabad	16th -20th Nov 2020
9	Green technology	J C B UST, YMCA, Faridabad	18th – 20th July 2020
10.	Basic Computer Skills and ICT Tools 'Google Classroom'	J C B UST, YMCA, Faridabad	10th – 14th July 2020
11.	Digital Transformation in teaching learning process under TEQIP-III	J C B UST, YMCA, Faridabad	6th – 22nd April 2020
12.	International Symposium on Fusion of Science & Technology (ISFT 2020)	J C B UST, YMCA, Faridabad	6th -10th January 2020
13.	Professional Development Training under TEQIP III	IIM, Raipur	18th Nov – 22nd Nov 2019

14.	Hands on training on design and fabrication of PCB	J C B UST, YMCA, Faridabad	18th – 24th July 2019
15.	AICTE recognised short term course on EMBEDDED WORLD	J C B UST, YMCA, Faridabad	26th – 30th Nov 2018
16.	AICTE recognised STC on 'CURRICULAM IMPLIMENTATION'	YMCAUST, Faridabad	8th – 12th Oct 2018
17.	Intelligent Management of Renewable Energy Technologies	YMCAUST, Faridabad	18th – 23rd Jan 2018
18.	Faculty development program on ' Real time data acquisition and analysis using Lab View'	YMCAUST, Faridabad	8th -12th May 2017
19.	Automation: PLC & SCADA	YMCAUST, Faridabad	17th – 21st Jan 2017
20.	Big data analysis and data/text mining using SPSS	YMCAUST, Faridabad	19th -24th Dec 2016
21.	Artificial Neural Network through ICT	YMCAUST, Faridabad	25th -29th April 2016
22.	New trends in electronics and communication	YMCAUST, Faridabad	17th – 21st Aug 2015
23.	Application of FACTS Devices for the Enhancement of Power System Stability	YMCAUST, Faridabad	4th -16th May 2015
24.	Application of MATLAB and SPSS in Research	YMCAUST, Faridabad	22nd -28th July 2014
25.	Soft Skills and Personality Development	YMCAUST, Faridabad	15th -21st July 2014
26.	Emerging trends in Engineering, technology and management	YMCAUST, Faridabad	1st-14th July 2013
27.	Short term course on MATLAB	MANIT, Bhopal	7-11th Jan 2013
28.	Workshop on Nanotechnology & Embedded systems	YMCAUST, Faridabad	23rd July- 3rd August 2012
29.	National Seminar on energy solutions	LNCT, Bhopal	15-16 May 2004

Project Supervision:

1. M.Tech Minor Project: 10 (Completed)
2. M.Tech Dissertation: 08 (Completed)

Additional Duties in University/Department

1. Working as Departmental CBS Coordinator from July 2022
2. Working as Departmental feedback coordinator since 2019.
3. Working as Departmental Alumni coordinator.
4. Working as Departmental computer centre in charge (from 2017 till date)
5. Worked as hostel warden (Kalpana Chawla hostel), J C B UST, YMCA Faridabad (from 2019 -2022)
6. Worked as a Member of Institution Innovation cell , J C B UST, YMCA Faridabad
7. Worked as Member of core committee of Alumni and Corporate affair cell, J C B UST, YMCA Faridabad

8. Worked as Departmental Time table coordinator (from 2012-2013).
9. Worked as Departmental attendance coordinator (from 2015-2019)
10. Worked as Departmental result coordinator (from 2016-2019)
11. Power electronics lab in charge (from 2012-2016)
12. Worked as Member of organising committee in '8th International Symposium on Fusion of Science & Technology', held at J C Bose UST, YMCA Faridabad, 6th- 10th Jan 2020.
13. Worked as Member of organising committee in 'International Conference on Sustainable development through research in Engineering and Management' held at YMCA university of Science & Technology, 26th -27th Dec 2016.
14. Worked as Member of organising committee in ' National Conference on New horizons in technology for Sustainable Energy and Environment' held at YMCA university of Science & Technology, 9th -10th March 2017.
15. Worked as Member of organising committee in 'Workshop on Automation : PLC SCADA' in collaboration with RVM CAD, YMCAUST, Faridabad, 17th -21st January 2017.
16. Organised the Alumni meet in department of Electrical Engineering in December 2022.
17. Organised the Short term course on Electric Vehicle Technologies in August 2023.
18. Organised the series of Alumni lectures in Department of Electrical Engineering.
19. Oraginsed various activities under MOU signed.

1. **Scopus ID:**
    https://www.scopus.com/results/authorNamesList.uri?sort=count-f&src=al&orcidId=0000-0001-5713-9028
2. **Google Scholar ID :**
    https://scholar.google.co.in/citations?user=GBiZTWcAAAAJ&hl=en
3. **Orchid ID :**
    https://orcid.org/my-orcid?orcid=0000-0001-5713-9028
4. **Publons ID:**
    GNH-4015-2022