Anurag Singh
Address- 476A/1
New Sohabatiya bagh
Prayagraj, U.P, India
Email id- anuragsinghucer123@gmail.com
Contact no- 8874010202



Career Objective:

I would like to work in an environment where performance is rewarded with new challenges and greater responsibilities. I would like to nurture my skills and abilities in the technical field.

Experience:

Working as an Assistant professor in the department of Electrical engineering at Veer Bahadur Singh Purvanchal University, Jaunpur, UP.

Academic Qualification:

Qualification	Institute
Ph.D.	MMMUT Gorakhpur
M.Tech	MMMUT Gorakhpur
B.Tech	U.P.T.U. Lucknow
Intermediate	Government Inter College, Allahabad
High School	Government Inter College, Allahabad

Hobbies:

Playing Cricket ,listening Song, watching movies and shows.

Research and Publications

- Singh, A., Yadav, S., Tiwari, N., Nishad, D.K. and Khalid, S., 2025. Optimized PID controller and model order reduction of reheated turbine for load frequency control using teaching learning-based optimization. Scientific Reports, 15(1), p.3759.
- Singh A, Yadav S, Tiwari N, Nishad DK, Khalid S. Model order reduction of boiler system using nature-inspired metaheuristic optimization of PID controller. Discover Applied Sciences. 2025 Apr 25;7(5):402.
- Singh A, Yadav S, Patel S. Model Predictive-based PID Controller Design and Order Reduction of Higher Order System. International Energy Journal. 2025 May 3;25.
- Singh, Anurag, Shekhar Yadav, and Nitesh Tiwari. "Enhanced control of two-link robot manipulators via LQR-tuned sliding mode approach." Engineering Research Express 7.4 (2025): 045425.
- Anurag Singh et al. "Deep learning-based controller design and performance

enhancement of BLDC motor drive for electric vehicle technology." International Journal of Powertrains 14.3 (2025): 222-239.

- Anurag Singh, et al. "Performance enhancement of DC motor drive for electric vehicle application by using deep neural network." International Journal of Innovative Computing and Applications 15.3 (2025): 145-155.
- Pandey, Atul, Anurag Singh, and Rajnish Bhasker. "ELECTRIC SPRING UTILIZATION BY SIMULATION FOR SMART GRID STRUCTURE."
- Pal M, Anurag Singh, Load Frequency Control in 2 Area Interconnected Power System Using Ant Colony Optimization. In2024 4th International Conference on Intelligent Technologies (CONIT) 2024 Jun 21 (pp. 1-5). IEEE.
- Pal M, Anurag Singh, Grasshopper Tuned PID Controller in Three Area System. In 2023 IEEE 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA) 2023 Sep 29 (pp. 407-412). IEEE.
- Kumar, Rahul, Nitesh Tiwari, and Anurag Singh. "Harmonics Reduction by Distributed Power Flow Control Using FACTs Devices in Power Supply." Recent Advances in Energy Systems, Power and Related Smart Technologies: Concepts and Innovative Implementations for a Sustainable Economic Growth in Developing Countries. Cham: Springer Nature Switzerland, 2023. 215-255.
- Anurag Singh et al. "Design and Order Reduction for a GWO-Based PID Controller for Load Frequency Control." International Conference on Future Power Network and Smart Energy Systems. Singapore: Springer Nature Singapore, 2023.
- Anurag Singh, Shekhar Yadav, " Model Order Reduction of Automatic Voltage Regulator using Routh Approximation" in National Conference in RAEEE 2018 MMMUT Gorakhpur.
- Anurag Singh, Shekhar Yadav, Navdeep Singh, "Enhancement of Continuous-Stirred Tank Reactor System using Jaya Algorithm" in IEMENTech 2018 Kolkata.
- Anurag Singh, Shekhar Yadav, Navdeep Singh, Kranthi Kumar Deveerasetty, "Model Order Reduction of Power Plant System by Balanced Realization Method" in IEEE International conference on computing, power and communication technologies 2018 (GUCON).
- Jaiswal V.K., Anurag Singh, Yadav S., Nagar S.K. (2019) Controlling of Non-minimum Phase System Using Harmony Search Algorithm. In: Jain L., E. Balas V., Johri P. (eds) Data and Communication Networks. Advances in Intelligent Systems and Computing, vol 847. Springer, Singapore. https://doi.org/10.1007/978-981-13-2254-9_16

Extra-curricular Activities:

S.No.	Name of Course/ Summer School	Place	Sponsoring Agency
1	Fuzzy Sets, Logic and Systems & Applications	Indian institute of Technology Kanpur	NPTEL Online Certification
2	Academic Writing	HNB Garhwal University	SWAYAM ONLINE Certification
3	Renewable Energy Technology and Their Uses	Indira Gandhi National Open University	SWAYAM ONLINE Certification
4	Renewable Horizons: Driving Sustainability & Climate Action Forward	BANSAL INSTITUTE OF ENGINEERING AND TECNOLOGY	AICTE Training and Learning (ATAL) Academy
5	Intelligent Optimization and Control of Chemical Engineering	MNNIT Allahabad	Anusandhan National Research Foundation (ANRF)
6	Control of Wind Energy Conversion Systems	IIT (BHU), Varanasi	IIT (BHU)
7	NBA Accreditation Process	PES COLLEGE OF ENGINEERING	TEQIP-III
8	Multi Optimization Using Metaheuristics	IIT Kanpur	GIAN
9	Advanced Topics in Control Systems	K. K. Wagh Institute of Engineering Education & Research	IET Nashik Local Network
10	Malaviya Research Conclave	MMMUT Gorakhpur	MMMUT Gorakhpur
11	Modern Trends in Manufacturing Processes and Control Techniques in Renewable Energy System	National Institute of Technology Delhi, India	National Institute of Technology Delhi
12	Advanced Optimization Techniques and hands-on with MATLAB/SCILAB	Electronics and ICT Academies, MNIT Jaipur	Scheme of financial assistance for setting up of Electronics and ICT Academies by the Ministry of Electronics and Information Technology (MeitY),

			Government of India
13	Examination Reforms	MMMUT Gorakhpur	AICTE- MMMUT MoU Activities
14	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY, GORAKHPUR	Intellectual Property Office and MoE's Innovation Cell, India
15	Recent Advances in Control Systems-2021	Madan Mohan Malaviya University of Technology Gorakhpur	AICTE Training and Learning (ATAL) Academy
16	Control Systems & Sensors Technology	Madan Mohan Malaviya University of Technology Gorakhpur	AICTE Training And Learning (ATAL) Academy
17	Recent Innovations in Renewable Energy Technologies and Smart Grids	Bansal Institute of Engineering And Technology, Lucknow	Bansal Institute of Engineering And Technology, Lucknow
18	Fractional Order Robust Control System Design (Series- II)	Vardhaman College of Engineering	Vardhaman College of Engineering
19	Virtual Workshop on Modeling, Simulation and Implementation using MATLAB and Simulink (MSIMS-20)	Bansal Institute of Engineering And Technology, Lucknow	Bansal Institute of Engineering And Technology, Lucknow
20	Data Analytics and its Applications in Industries	IIT (BHU) , Varanasi	IIT (BHU) , Varanasi
21	Recent Advances in Communication & Photonics	VBSPU Jaunpur	TEQIP-III
22	OBE & NBA Accreditation	VBSPU Jaunpur	TEQIP-III
23	Workshop on OBE	VBSPU Jaunpur	TEQIP-III
24	Recent Advances in Mechanical Engineering	VBSPU Jaunpur	TEQIP-III

25	Workshop on Research Methodology & Ethical Issues in Research	VBSPU Jaunpur	TEQIP-III
26	FDP on IPR & Plagiarism	VBSPU Jaunpur	TEQIP-III
27	Event Co-ordinator of Quiz	VBSPU Jaunpur	TEQIP-III
28	Recent Advances In Control & Energy Systems	MMMUT Gorakhpur	MMMUT Gorakhpur

Skills:

- **Simulation and Design –** MATLAB
- **Programming -** C, C++, MATLAB

Achievements:

- Received MHRD Scholarship in M.Tech. Course.

Training:

Completed vocational training at **NTPC LTD.** VINDHYANAGAR, SINGRAULI (M.P.) successfully.

Personal Information:

- **Father** : Mr. Anil Kumar Singh
- **Mother** : Mrs. Munni Devi
- **Gender** : Male
- **Nationality** : Indian
- **Marital Status** : Single
- **Languages known** : Hindi and English
- **Address** : 476A/1, New Sohabatiya Bagh Prayagraj, UP, Pin code-211006.

Declaration:

I hereby declare that the above information is true to the best of my knowledge**.**

(ANURAG SINGH)