CURRICULUM VITAE



Dr. Lokesh Kumar Agrawal

B.E.(Electrical Engg.), M.Tech (Industrial Electronics & Control),

Ph.D (Electrical Engg.), ISTE,IAENG

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OBJECTIVE

To render service and knowledge for the organizational benefit and my all round development in the best possible way

TEACHING EXPERIENCE

- Presently working as **Professor** in **KUNWAR SATYAVIRA COLLEGE OF ENGINEERING & MANAGEMENT, BIJNOR** (Formerly Vira College of Engineering) from 29 May 2023 to till date.
- Worked as **Associate Professor** in **KUNWAR SATYAVIRA COLLEGE OF ENGINEERING & MANAGEMENT, BIJNOR** (Formerly Vira College of Engineering) from 01 Jan 2014 to 28 May 2023.
- Worked as **Assistant Professor** in **VIRA COLLEGE OF ENGINEERING, BIJNOR** from 01 Aug 2011 to 31 Dec 2013.
- Worked as **Sr.Lecturer** in **VIRA COLLEGE OF ENGINEERING, BIJNOR** from 08 Nov 2008 to 31 July 2011.
- Worked as **Lecturer** in **VIRA COLLEGE OF ENGINEERING, BIJNOR** from 12 Sep 2002 to 07 Nov 2008.

Total teaching experience is of Twenty One years.

INDUSTRIAL EXPERIENCE

- Worked with **M/s Shri Ram Diesel (India), Agra** as a **Testing Engineer** from May 1995 to April 1996.
- Worked with M/s **U.P.S.E.B, Agra** as a **Apprenticeship Trainee** from April 1996 to April 1997.
- Worked with **M/s G.K.Generators (P) Ltd, Agra** as a **Testing Engineer** from May 1998 to April 1999.

Total industrial experience is of three years.

QUALIFICATIONS

S.No.	Exam	Year	Board /University	Division
1.	Ph.D	2021	IFTM University, Moradabad	Awarded
2.	M.Tech	2014	UPTU, Lucknow	First
3.	B.E. (Electrical Engineering)	2002	REC,Kurukshetra (NIT,Kurukshetra)	First
4.	Diploma (Electrical Engineering)	1995	Govt. Polytechnic, Jhansi	First
5.	Intermediate	1991	U.P. Board	First
6.	High School	1989	U.P. Board	Second

PHD DETAIL

Topic: Design, Analysis and Hybrid Control for Electric Drives using Neuro-Fuzzy Techniques.
Supervisor: Dr. G.K.Banerjee, Former Professor & Head Electrical Engineering Deptt, IFTM University, Moradabad.
Co-supervisor: Dr. Bhavesh Kumar Chauhan, Director General, Shri Ramswaroop Memorial College of Engineering and Management, Lucknow

PUBLICATION IN INDEXED/ PEER REVIEWED JOURNALS/ CONFERENCES

- A research paper entitled **"Performance Characteristics of Induction Motor During Transient (Starting) Condition using Simulink"** has been published in the **'Vira International of Engineering & Management'**, January-March 2014, Volume 01, Issue 01, pp. 19-22. ISSN-2347-9388
- A research paper entitled **"A Review on Hybrid Controller Using Soft Computing Algorithm"** has been published in the **'American Journal of Electrical and Electronic Engineering',** April, 2016, Volume 04, Issue 02, pp. 49-61. ISSN (Print)-2328-7365, ISSN (Online) - 2328-7357**.**
- A research paper entitled **"PID Controller Based Speed Control of Brushless DC Motor"** has been presented in the **'International Conference on Electrical, Telecommunication and Computing Technology- ICETCT-2017',** 18 November 2017, held in K.N.G.D Modi Engineering College, Modinagar, Ghaziabad.
- A research paper entitled **"Speed Control of Brushless DC Motor Using Fuzzy Controller"** has been published in the **'International Journal of Pure and Applied Mathematics',** 2018, Volume 119, Issue 15, pp. 2689-2696. ISSN-1314-3395 (Online Version).
- A research paper entitled **"Speed Control of Brushless DC Motor Using Conventional Controller"** has been published in the **'International Journal of Pure and Applied Mathematics',** 2018, Volume 119, Issue 16, pp. 3955-3961. ISSN-1314-3395 (Online Version).
- **A research paper entitled "Design of Fuzzy Logic Controller for Speed Control of BLDC Motor"** has been presented in the **'International Conference on Interdisciplinary Research for Sustainable Development: innovation and Opportunities- ICIRSD-2020** February 14-16, 2020, held in Vardhaman College, Bijnor (U.P.), India.
- **A research paper entitled " Speed Control of BLDC Motor With Neural Controller"** has been presented in the **'International Virtual Conference on Innovative Applications of Computational Intelligence on Power, Energy and Control with their Impact on Humanity- VCIPECH-2020** November 06- 07, 2020, held in KIET Group of Institutions, Delhi-NCR, Meerut Road (NH-58), Ghaziabad (U.P.), India**.**

- **A research paper entitled "Speed Control of BLDC Motor With Neural Network Controller"** has been published in the **'Indian Journal of Science and Technology',** 2021, Volume 14, Issue 4, pp. 373-381.ISSN-0974-6846 (Print), ISSN-0974-5645 (Electronic).

FACULTY DEVELOPMENT PROGRAMS (FDP)

- Participated in IIC FDP on "Creativity, Innovation & Design Thinking" May 29- June 02, 2023 in Moradabad Institute Technology, Moradabad.
- Participated in AICTE, MOE's IIC FDP on "Trends in Innovation, Design Thinking & IPR" May 30- June 03, 2022 in Moradabad Institute Technology, Moradabad.
- Participated in ATAL FDP on "Basics of Electrical Vehicles" September 10-14, 2021 in Thaper Institute of Engineering and Technology.
- Participated in ATAL FDP on "Recent Trends in Power System Operation and Control" July 12-16, 2021 in Govt. College of Engineering.
- Participated in One week FDP on "Advanced Control Strategies: Design and Applications (ACSDA2021)" June 28- July 02, 2021 in Rajkiya Engineering College, Sonbhadra.
- Participated in ATAL FDP on "Artificial Intelligence and Green Power Technology" June 14-18, 2021 in KNIT, Sultanpur.
- Participated in ATAL FDP on "Emerging Technological Challenges in Electric Vehicles" June 07-11, 2021 in Annapoorna Engineering College, Salem, Tamilnadu.
- Participated in ATAL FDP on "Electrical & Computer Engineering" February 08-12, 2021 in NIT, Patna.
- Participated in ATAL FDP on "Electric Vehicles" February 01-05, 2021 in Manipal University, Jaipur.
- Participated in ATAL FDP on "Green Technology & Sustainability Engineering" January 19-23, 2021 in Gautam Buddha University, Gautam Buddha Nagar.
- Participated in AKTU FDP on "Power System Optimization & Control" December 14- 18, 2020 in Rajkiya Engineering College, Ambedkar Nagar.
- Participated in FDP (IEEE-PES) on "Recent Trends in Electrical Engineering and Applications" August 08-13, 2020 in IET, M.J.P. Rohilkhand University, Bareilly.

- Participated in FDP on “Research Orientations in Engineering with Effective Outcomes” July 26-30, 2020 in KIET Group of Institutions, Delhi-NCR, Meerut Road (NH-58), Ghaziabad (U.P.), India**.**
- Participated in FDP (IEEE-Student Branch) on “Recent Trends in Electrical Engineering: A Research Perspective- 2020” July 20-26, 2020 in Amrita School of Engineering, Bangalore.
- Participated in FDP on “Document Typesetting and Processing using Latex for Manuscript Writing” June 22-26, 2020 in KIET Group of Institutions, Delhi-NCR, Meerut Road (NH-58), Ghaziabad (U.P.), India**.**

SHORT TERM COURSES

- Participated in One week online workshop on ," Recent Research in Power Converter and Control-II", Sep 25-29, 2023 in Rajkiya Engineering College, Ambedkar Nagar, U.P., India.
- Participated in One week online workshop on ," Recent Research in Power Converter and Control-I", Feb 21-26, 2022 in Rajkiya Engineering College, Ambedkar Nagar, U.P., India.
- Participated in short Term Training Program ," Emerging Technologies in Electric Vehicles", August 02-14, 2021 in Bapatla Engineering College, Bapatla.
- Participated in "IEEE BBDITM PES DAY" celebration an IEEE PES day2021 event, April 18-22, 2021, BBDITM, Lucknow.
- Attended Quality Improvement Program (TEQIP III) on “Advancements in Electrical Engineering: An Academic & Industrial Approach” August 03-07, 2020 in N.I.T., Silchar.
- Attended in Quality Improvement Program (IEEE-Student Branch) on “Engineering and Technology Fraternity” July 09-11, 2020 in BBDNITM, Lucknow.
- Attended AICTE recognized workshop on “Inculcating Universal Human Values in Technical Education” June 21-25, 2020.
- Attended AICTE recognized short term course on “Instructional Planning & Delivery (Module III: Student Evaluation) through ICT” January 25-29, 2016 in KSVCEM, Bijnor.
- Attended AICTE recognized short term course on “Alternate Energy Sources & Energy Conservation through ICT” July 27-31, 2015 in KSVCEM, Bijnor.
- Attended Continuing Education Program Workshop on “ Recent Trends in FACTS Technology” 30 April to 1 May 2004 in I.I.T., Delhi

- Attended Quality Improvement Program on "Electric Power System Operation & Management in Restructured Environment" July 21-25, 2003 in I.I.T., Kanpur.

WEBINARS

- Participated in webinar on "Hamara Tejas-India's Own 4th Gen Fighter" June 24, 2021 in Dr Ambedkar Institute of Technology, Bengaluru.
- Participated in webinar ((TEQIP III) on "Electric Vehicles" June 19, 2021 in PACE Institute of Technology & Sciences, Kakinada (A.P.).
- Participated in seminar on "Covid-19 Second Wave Awareness" May 01-02, 2021 in BBDITM, Lucknow.
- Participated in webinar on "Smart Inverters for Increasing Connectivity of Photovoltaic Power Systems" August 24, 2020 in College of Engineering Rorkee.
- Participated in webinar on "Recent Trends in Power Management Streties for Optimal Operation of Distributed Resources in Microgrids" July 28, 2020 in Mahatma Gandhi Institute of Technology, Hyderabad.
- Participated in webinar on "Transformation of An Engineer to An Engineering and Management" July 23, 2020 in NIIT, Najibabad, Bijnor.
- Participated in webinar on "Standardization of Herbal Products" July 06, 2020 in Vivek College of Technical Education, Bijnor.
- Participated in webinar on "Electrical Distribution system" June 03, 2020 in KSVCEM, Bijnor.
- Participated in webinar on "Future of Scope of Electric Vehicle" May 23, 2020 in AMZ Automotive, Jaipur.

PROGRAM ORGANISED

- Co-ordinator of conducting International Yoga Day on June 21, 2023.
- Co-ordinator of conducting National Science Day 2023 on February 28, 2023.

- Co-ordinator of conducting "Unity Walk- Unity of the Country" program under Azadi Ka Amrit Mahotsav on February 25, 2023.
- Co-ordinator of conducting National Voters Day on January 25, 2023.
- Co-ordinator of conducting Bhartiya Bhasha Diwas on December 11, 2022.
- Co-ordinator of conducting the Intellectual Property Awareness Program Under National Intellectual Property Awareness Mission on December 28, 2022.
- Co-ordinator of conducting the celebrating Constitution Day (Samvidhan Divas) on November 26, 2022.
- Co-ordinator of conducting "Fit India Freedom Run 2.0 -Fitness ki Dose Aadha Ghanta Roz" on September 25, 2021.
- Co-ordinator of conducting Theme based webinar series on completion of the 1 year of transformative reforms under new education policy (NEP)-2020 on 30th July 2021 to 11th August 2021.
- Co-ordinator of conducting Matribhasha Diwas on February 21, 2020.
- Co-ordinator of conducting Namami Gange Program on January 27-31, 2020.
- Co-ordinator of conducting Swachhata hi sewa campaign (AICTE circular) on 11th September 2019 to 2nd October 2019.

BOOK PUBLICATION

- A book on " Design, analysis and hybrid control of brushless dc motor" is in under process.
- First Edition in 2023 of book on " Electrical Technology" ISBN 978-81-19140-46-6 with RK Publications.

PROJECT GUIDED (UG)

- Solar energy based UPS system, 2022
- Home automation using Wi-Fi module, 2022
- IOT Based Home Automation, 2020
- Automatic Power Factor Controller, 2019
- Automatic railway crossing using piezoelectric sensor, 2018.

- Solar water heater, 2016.
- Speed control of DC motor with PI controller using MATLAB, 2016.
- Green house controller, 2015
- Mini Steam Power Generation System, 2014
- Automatic Industrial Automation Controlled by using Bluetooth Device, 2014
- Password based Circuit Breaker Control to Ensure Electric line Man's Safety, 2014
- Automatic Street Light Controller, 2012
- Field Programmable Low Cost PLC, 2012
- Fuzzy Logic Control of Brushless DC Motor, 2012
- Transformer Protection using Microcontroller in Critical Condition, 2011
- Solar Double Tracker, 2010
- Automatic Vehicle Control, 2010
- Digital and P.C. based Speed and Direction Control of Stepper Motor, 2008
- Labview based closed loop speed control of multiple dc motors,2003
- Auto control for 3- phase motors, 2003
- Software and hardware speed control of dc motor, 2003
- Single phasing preventer for three phase induction motor, 2003
- Magnetic levitation system, 2003

MEMBERSHIP

- Indian Society for Technical Education (ISTE), Membership No. 137083
- International Association of Engineers (IAENG), Membership No. 274091

RESEARCH INTERESTES

- Soft Computing and Computational Intelligence Techniques
- Artificial Intelligence applications in electrical machines

STRENGTHS

- Punctuality, sincerity and dedication towards work.
- Resolute thinking with leadership qualities.

OTHER DUTIES

- Working as Head of the department Electrical Engineering
- Worked as Head of the department Applied Sciences & B.Tech First Year
- Worked as UPTU Observer
- Worked as UPTU, MTU & AKTU External Practical Examiner
- Worked as UPTU Evaluator.
- Worked as UPTU Nodal Officer in UPSEE-2014
- Worked as Assistant Examination Controller
- Worked as Head of student activities committee.
- Worked as Nodal officer of Prime Minister special scholarship scheme.

EXTRA CURRICULAR ACHIEVEMNT

- Executive Member of "ELECTRO RECK" Electrical Engineering Society of R.E.C.Kurukshetra.
- "B" certificate of N.C.C.
- Honored by Rotary Club for extraordinary contribution in the field of education on Teacher's day .

PERSONAL DETAIL

Father's Name	**:**	Sri Ramesh Chand Agrawal
Nationality	:	Indian

Date of Birth	**:**	10.05.1975
Home Address	:	1150, Nai Basti, Bijnor
Gender	**:**	Male
Marital Status	**:**	Married

During my teaching tenure I have been Cultural In-Charge, Sports In-Charge, Core member of Admission Cell & member of discipline committee and examination committee.

I certify that the information furnished above is authentic and complete to the best of my knowledge.

REFERANCES:

(1) Prof. (Dr.) B.K.Singh
Director
Birla Institute of Applied Sciences
Bhimtal, Distt. Nainital (U.K.)
Mob: 9410796823

(2) Prof.(Dr). Amit Kumar Bansal
Director
Kunwar Satyavira College of Engg. & Mgmt.
Bijnor (U.P.)
Mob: 8894422050



Date: (Dr.Lokesh Kumar Agrawal)

Place: Bijnor