

Curriculum Vitae

Dr. Prateek Nigam

D-119, Rajved Colony

In front of Shashi Hitech City

Kolar Road, Bhopal-462042



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Mobile: 08962016586

OBJECTIVE

To work in a scientific & technical environment for global society and best efforts for enhancement of the technical skills within available resources. Also, work in a challenging higher management position in a high-quality engineering system to up gradation and establishment in the research and development within the latest innovation and technology.

PROFESSORIAL & RESEARCH NETWORKS

Personal Website: <https://sites.google.com/view/drprateeknigam>

Vidwan Portal Profile: <https://vidwan.inflibnet.ac.in/profile/216172> (Vidwan ID: 216172)

Scopus Profile ID: 36675646400

Google Scholar Profile: <https://scholar.google.com/citations?hl=en&user=X50LBGwAAAAJ>

Research Gate Profile: <https://www.researchgate.net/profile/Prateek-Nigam>

Orchid ID: <https://orcid.org/0000-0003-3712-4106>

SSRN ID: <https://hq.ssrn.com/UserHome.cfm> (Author ID: 4137471)

Researcher ID: <http://ResearchID.co/er.prateeknigam> (Author ID: rid17981)

RESEARCH INTEREST

Renewable Energy, Power System, Measurement & Instrumentation, Wireless Communication

PROFESSIONAL EXPERIENCE

- Working as an **Associate Professor** of Electrical & Electronics Engineering Department in Rabindranath Tagore University, Bhopal. (From 01/Feb/2021 to Till Date)
- Worked as an **Associate Professor** of Electrical & Electronics Engineering Department in Bansal College of Engineering, Mandideep. (From 21/Sept/2015 to 12/Nov/2020)
- Worked as an **Assistant Professor** of Electrical & Electronics Engineering Department in Sarvepalli Radhakrishnan University, Bhopal. (From 07/July/2012 to 17/Sept/2015)
- Worked as an **Assistant Professor** of Electronics & Communication Department in Shri Balaji Institute of Technology & Management, Betul. (From 01/Sept/2011 to 27/May/2012)
- Worked as an **Assistant Professor** of Electrical Engineering Department in Sparta Institute of Technology & Management, Bhopal. (From 02/Aug/2010 to 16/Aug/2011)

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ADMINISTRATIVE RESPONSIBILITIES

- **President** of National Digital Library of India (NDLI) Club of Rabindranath Tagore University, Bhopal. (From 16/05/2022 to Till Date).
- **IPR Cell Coordinator** of Rabindranath Tagore University, Bhopal. (From 26/04/2022 to Till Date).
- **Head of Department** of Electrical & Electronics Engineering Department in Rabindranath Tagore University, Bhopal. (From 20/07/2021 to Till Date).
- **Training & Placement Coordinator** in Bansal College of Engineering, Mandideep. (From Sept/2017 to Nov/2019).
- **Head of Department** of Electrical & Electronics Engineering in Bansal College of Engineering, Mandideep. (From Sept/2015 to March/2016).
- **Member of the Technical, Discipline & Sports core committee** of Bansal College of Engineering, Mandideep. (From Sept/2015 to Nov/2020).
- **Head of Department** of Electrical & Electronics Engineering in Sarvepalli Radhakrishnan University, Bhopal. (From 07/July/2012 to 17/Sept/2015).
- **Editorial Board member** of the RKDFIST College Magazine in Year 2013, 2014 & 2015.
- **Head of Department** of Electrical Engineering Department & **Dean (Student Welfare)** in Sparta Institute of Technology & Management, Bhopal. (From 02/Aug/2010 to 16/Aug/2011).
- **Member of Exam Cell** in Sparta Institute of Technology & Management, Bhopal. (From Aug/2010 to Aug/2011).
- **Head of Technical Core Committee** of Sparta Institute of Technology & Management, Bhopal in year 2010-2011.

ACADEMIC RECORD

- **Doctor of Philosophy** in **Electrical & Electronics Engineering**, from **Rabindranath Tagore University, Raisen (M.P)** in year 2020.
- **Master of Technology** in **Instrumentation Engineering (Department of Electrical Engineering)** from **IIT Kharagpur (W.B)** in year 2010.
- **Bachelor of Engineering** in **Electrical & Electronics Engineering** from **Sagar Institute of Research & Technology, Bhopal (M.P)** (RGPV, Bhopal) in year 2007.
- **Senior School Certificate Examination** from **Madhya Pradesh State Board** in year 2003.
- **Secondary School Certificate Examination** from **Central Board of Secondary Education** in year 2001.

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RESEARCH CONTRIBUTION

- Research Paper Published : 33
- Workshop/FDP/STTP Attended : 52
- Patent : 07
- PhD Thesis Guided : 01 (Submitted) & 04 (Ongoing)
- M.Tech Thesis Guided : 16
- Book Published : 06

ACHIEVEMENTS

- Got **Best Researcher Award** in International Scientist Awards 2021 on Engineering, Science & Medicine organized by VDGGOOD Technology in Coimbatore, India.
- Got **Young Scientist Award** in International Scientist Awards 2021 on Engineering, Science & Medicine organized by VDGGOOD Technology in Ooty, Tamil Nadu, India.
- Secured **98.84 Percentile (AIR-174)** in year 2008 in **Graduate Aptitude Test in Engineering (GATE)** Organized by IISC, Bangalore.
- Secured **96.84 Percentile (AIR-614)** in year 2006 in **Graduate Aptitude Test in Engineering (GATE)** Organized by IIT Kharagpur.
- Qualified “**Competence in Software Technology (CST)-G Level**” conducted by **Centre for Development of Advanced Computing (CDAC)** with **96%**, Mumbai in year 2008.
- Certificate Course in “**Computer Operation & Applications**” conducted by **All India Society for Electronics & Computer Technology (AISECT)** with **84.71% (Grade A+)** during Jan 2008 to Jun 2008.

PROJECTS

- **PhD Project Title:** “Simulation Analysis of Doubly-Fed Induction Generator System using Hybrid Renewable Sources”
- **M.Tech. Project Title:** “Reduction of Train Derailment by using Catch Siding Track, Sensors & Microcontroller”
- **B.E. Project Title:** “Regenerative Braking System in Trains”

RESEARCH JOURNAL EDITORIAL & REVIEWER BOARD MEMBERSHIP

- Member of Editorial Board & Reviewer Board in various reputed International and National research journals.

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PROFESSIONAL MEMBERSHIPS

- Lifetime Fellow Member of Institution of Electronics & Telecommunication Engineers (IETE).
- Lifetime Membership of Bhartiya Shikshan Mandal.
- Member of International Association of Engineers (IAENG).
- Member of World Academy of Science, Engineering and Technology (WASET).
- Member of Institute for Engineering Research & Publication (IFERP).
- Member of International Technology and Engineering Educators Association (ITEEA).
- Member of International Association for Educators and Researchers (IAER).
- Member of Academic & Industry Innovative Research Engineering Association (AIIREA).

HONOUR GALLERY

- Paper Setter & Examiner of SAGE University Bhopal, RGPV Bhopal, Vikram University Ujjain, JNTU Hyderabad, Amity University Noida, SRK University Bhopal, ITM University Gwalior, RKDF University Bhopal, SSSUTMS University Sehore and Bhabha University Bhopal.
- Best Faculty Award in year 2016, 2017, 2019 (100% Result) by Bansal Group of Institutions.
- P.G. Representative Sports in Technology Student Gymkhana, IIT Kharagpur in year 2009-2010.
- General Secretary Sports of Vidyasagar Hall of residence, IIT Kharagpur in year 2009-2010.
- Member of the Event Management Team “IEEE Third International Conference on Power System-2009” held in IIT Kharagpur.
- President of Renewal Energy Club in year 2006 of college in Graduation Level.
- Captain of Hockey Team & Member of Cricket, Football, Basketball & Volleyball Team of VS Hall of Residence, IIT Kharagpur, in year 2008-2010.

REFERENCES

- **Dr. Anil Kurchania**, Director, Centre of Renewable Energy, RNTU Bhopal (Mobile: 09414162553)
- **Dr. Dharmendra Kumar Dheer**, Assistant Professor, Department of Electrical Engineering, NIT Patna (Mobile: 06206398829).
- Air Vice Marshal (**Dr**) **P K Shrivastava** (Retd.), Vishisth Seva Medal, EX-Vice Chancellor, MPU, Bhopal (Mobile: 07022530889)

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

Place: Bhopal

(Dr. Prateek Nigam)

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RESEARCH CONTRIBUTION

RESEARCH PUBLICATIONS

- Swati Khare, Anil Kurchania and Prateek Nigam (2022). *“Investigating the Impact of PV System on Grid Connected Large Scale PV Systems of REWA Ultra Solar PV System”* NeuroQuantology, Volume-20, Issue-8, pp. 2758-2762.
- Bikash Chandra Saha, Anurag Shrivastava, Sanjiv Kumar Jain, Prateek Nigam and S Hemavathi (2022). *“On-Grid Solar Microgrid Temperature Monitoring and Assessment in Real Time”* Materials Today: Proceedings, Volume-62, Part-7, pp. 5013-5020.
- Kishor Thakre, Kanungo Barada Mohanty, Vinaya Sagar Kommukuri, Aditi Chatterjee, Prateek Nigam and Sanjeev Kumar Gupta (2022). *“Modified Cascaded Multilevel Inverter for Renewable Energy Systems with Less Number of Unidirectional Switches”* Energy Report, Volume-8, pp. 5296-5304.
- Prateek Nigam, Saurav Kumar (2022). *“Differential Search Evolution Algorithm for Solution of Optimal Power Flow Problem”* Journal of Computing Technologies, Volume-11, Issue-3, pp. 1-7.
- Anurag Shrivastava, Hari Kumar Singh, Praful Vijay Nandankar, Manoj Kumar Singh, Prateek Nigam and Moti Lal Rinawa (2021). *“A Smart Grid Energy Management Optimization Technique”* Journal of Nuclear Energy Science & Power Generation Technology, Volume-10, Issue-10, pp. 1-5.
- Jyoti Singh, Prateek Nigam and Achie Malviya (2021). *“DGA Method Implementation for Incipient Fault Analysis using Gas Concentrations”* Smart Moves Journal, IJOSCIENCE, Volume-7, Issue-10, pp. 1-9.
- Ravi Shankar Pandey and Prateek Nigam (2021). *“Optimal DG Placement Utilizing Harmony Search Based Hybrid GA-PSO Programming”* High Technology Letter, Volume-27, Issue-9, pp. 629-638.
- P. Nigam, Pramil, A. Kurchania and S. K. Gupta (2020). *“Doubly-Fed Induction Generator with Hybrid Renewable Sources”* Test Engineering and Management (Scopus Indexed Journal), Volume-83, pp. 4909-4913.
- Pramil, Prateek and Parashuram (2020). *“Band Pass Semi-Adaptive Digital Filters for Radar Applications”* International Journal of Engineering and Advanced Technology (Scopus Indexed Journal), Volume-9 Issue-3, pp. 4184-4186.
- Prateek Nigam, A. K. Kurchania and S. K. Gupta (2019) *“DFIG System using Hybrid Renewable Sources-A Simulation Analysis”* Compliance Engineering Journal, Volume-10, Issue-10, pp.541-564.
- Vijay Anand Bharti, Payal Nene, Shradha Kathe and Prateek Nigam (2019). *“Design & Analysis of Controllers for Generation Control in Two Area Interconnected Power System”* Journal of Emerging Technologies and Innovative Research, Volume-6, Issue -05, pp. 453-457.

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- Prateek Nigam, Anil Kurchania and Sanjeev Gupta (2018). “*Simulation Analysis of DFIG System using Hybrid Renewable Sources*” Journal of Applied Science and Computations, Volume-5, Issue-10, pp. 1215-1237.
- Prateek Nigam, Anil Kurchania and Sanjeev Gupta (2018). “*Simulation Analysis of Doubly-Fed Induction Generator with Solid Oxide Fuel Cell*” IOSR Journal of Engineering, Volume-08, Issue-10, pp. 32-37.
- Prateek Nigam, Anil Kurchania and Sanjeev Kumar Gupta (2018). “*A Review: Doubly Fed Induction Generator Wind Energy Conversion Systems Defies and Solutions*” Journal of Emerging Technologies and Innovative Research, Volume-5, Issue-11, pp. 509-524.
- Yogesh Abhale and Prateek Nigam (2015). “*Review on Regenerative Braking Methodology in Electric Vehicle*” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume-4, Issue-7, pp. 6380-6386.
- Sarita S. Bhole and Prateek Nigam (2015). “*Improvement of Voltage Stability in Power System by Using SVC and STATCOM*” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume-4, Issue-2, pp. 749-755.
- Prateek Nigam, Abhishek Gupta and Vijayshri Chaurasia (2015). “*Effect of Guard Period with Cyclic Prefix on OFDM Technique*” International Journal of Scientific Progress & Research, Volume-7, Issue-1, pp. 22-26.
- Prateek Nigam, Mihir Patel and Vijayshri Chaurasiya (2014). “*Combined Efficient Precoding Technique for Multi-user MIMO*” International Journal of Engineering Management & Research, Volume-4, Issue-3, pp. 385-388.
- Prateek Nigam, Alok Kumar Dubey and Vijayshri Chaurasia (2014). “*Reduction of ICI in OFDM using Blackman Gaussian and Hann Window Functions*” Global Journal of Engineering Science and Researches, Volume-1, Issue-7, Pp. 37-41.
- Prateek Nigam, Monika Sahu and Vijayshri Chaurasia (2014). “*Performance Improvement of OFDM System using Raised Cosine Windowing with Variable FFT Sizes*” International Journal of Research, Volume 1, Issue 6, pp. 605-610.
- Vishal Pasi, Prateek Nigam and Vijayshri Chaurasia (2014). “*Mitigation of ICI in OFDM and its Techniques*” International Journal of Advanced Research in Computer Science, Volume 5, No. 1, pp. 136-141.
- Alok Kumar Dubey and Prateek Nigam (2014). “*Performance Comparison of ICI in OFDM Using Kaiser Hamming and Hann Window Functions*” International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 4, pp. 410-413.
- Abhishek Gupta, Prateek Nigam and Vijayshri Chaurasia (2014). “*A Review on Wavelet Transform as a Substitute to Cyclic Prefix Removal in FFT in OFDM*” International Journal of Engineering Sciences & Research Technology, Volume 3, Issue 2, pp. 827-830.

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- Alok Kumar Dubey and Prateek Nigam (2014). “*Analysis of ICI Using Blackman Gaussian and Kaiser Window Functions*” International Journal of Scientific & Technology Research, Volume 3, Issue 5, pp. 322-325.
- Abhishek Gupta, Prateek Nigam and Vijayshri Chaurasia (2014). “*Removal of Cyclic Prefix in Adaptive OFDM for Dynamic Spectrum Access using DWT and WT*” International Journal of Engineering Sciences & Research Technology, Volume 3, Issue 3, pp. 1187-1191.
- Jayarani Songa and Prateek Nigam (2014). “*CPW-fed Monopole Antenna with L shaped and Stair Shape slot for Dual band WLAN/WiMAX Application*” International Journal of Science Engineering and Technology, Volume 3, Issue 2, pp. 90-92.
- Abhishek Gupta, Prateek Nigam and Vijayshri Chaurasia (2014). “*Effect of Cyclic Prefix on Data Rates in OFDM Modulation Techniques: An Analysis*” International Journal of Electrical, Electronics and Computer Engineering, Volume 3, Issue 2, pp. 113-117.
- Mihir Patel, Prateek Nigam and Vijayshri Chaurasia (2014). “*Comparison of Downlink Hybrid techniques for Multi-user MIMO*” International Journal of Advance Engineering and Research Development, Volume 1, Issue 3, pp. 1-5.
- Vishal Pasi, Prateek Nigam and Vijayshri Chaurasia (2013). “*Review on OFDM a Brief Survey*” International Journal of Scientific and Research Publications, Volume 3, Issue 11, pp. 01-05.
- Mihir Patel, Swapnil Bhavsar, Ketul Patel, Prateek Nigam and Vijayshri Chaurasiya (2013). “*Comparison of Maximum Like Hood & Self Cancellation Schemes For ICI Reduction In OFDM*” International Journal of Emerging Technology and Advanced Engineering, Volume 3, Issue 8, pp. 366-368.
- Jayarani Songa and Prateek Nigam (2013). “*Design of Finite Ground Coplanar Waveguide (FGCPW) fed Strip Monopole Antenna for WLAN Applications*” International Journal of Electrical, Electronics and Computer Engineering, Volume 2, Issue 2, pp. 101-106.
- Prateek Nigam, Karabi Biswas, Sudesh Gupta, Yogeshver Khandagre and Ashutosh K. Dubey (2011). “*Radar-Infrared Sensor Track Correlation Algorithm Based on Neural Network Fusion System*” 3rd International Conference on Electronics Computer Technology (ICECT 2011-Sponsored & Published by IEEE), Volume 3, pp. 202-206.

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WORKSHOP / FDP / STTP / SEMINAR Etc.

- Participated in Two Days Workshop on “Awareness on POSH & Mental Health” Jointly Organized by Women Development Cell & Legal Aid Clinic, Rabindranath Tagore University, Raipur (M.P.) from 29-30 July/2022.
- Participated in One Day “IP Awareness/Training Program” Jointly Organized by Intellectual Property Office, India & IPR-Cell Rabindranath Tagore University, Raipur (M.P.) on 26/July/2022.
- Participated in One Day “Regional Meet of Institution’s Innovation Council”, Ministry of Education-Innovation Cell Organized by Oriental College of Technology, Bhopal (Madhya Pradesh) on 22/July/2022.
- Participated in One Day Panel Discussion on “Intellectual Property Rights” Organized by IQAC-RNTU in Association with Goa-Centre of Excellence Intellectual Property on 26/April/2022.
- Attended One Week Online National Level Workshop on “Nature Inspired Optimization Techniques & Microgrid Applications” organized by Department of Electrical Engineering, Silicon Institute of Technology, Sambalpur, Odisha from 21-26 March/2022.
- Participated & Completed Successfully One Week Online workshop on “Intelligent Control & Protection Techniques for Hybrid Microgrid (ICPT-2022)” Sponsored by SERB, association with Department of Electrical Engineering, MNNIT Allahabad, Prayagraj (U.P.) from 05-09 March/2022.
- Participated & Completed Successfully One Week Online Short Term Training Program (STTP) on “Emerging Issues of VLSI Design” Sponsored by AICTE, association with Department of Electronics & Communication Engineering, School of Engineering & Technology, ITM University, Gwalior (M.P.) from 13-17 Dec/2021.
- Attended International Level Online Two days Workshop on “Solar Thermal Energy Storage” organized by Department of Hydro & Renewable Energy, IIT Roorkee, Uttarakhand from 13-14 Dec/2021.
- Participated & completed one-week online short term course on “Power System Restructuring and Renewable Energy Integration (PSRREI) 3.0” organized by Department of Electrical and Electronics Engineering at BVCOE, Delhi from 06-10 Sep/2021.
- Participated & completed successfully One week Online Faculty Development Programme (FDP) on "Future Advancement in the Field of Telecommunication & Embedded System" organized by Department of Electronics & Communication Engineering, Raj Kumar Goel Institute of Technology, Gaziabad (U.P.) from 24-30 Aug/2021.
- Attended National Level Online one day Workshop on “Virtual Lab” organized by ABV-IIITM Gwalior, MITS Gwalior and Shiksha Sanskriti Nyas, Madhya Bharat Prant on 21/Aug/2021.

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- Attended National Level Online Webinar on “MATLAB for New Users” organized by Department of Electronics Engineering and ISF-MITS, IETE-Bhopal Centre and The Institution of Engineers (India), Gwalior, on 03/Aug/2021.
- Participated & Completed Successfully Five Days Online Elementary Faculty Development Programme (FDP) on "Block Chain Technology: Current Trends and future aspects in Smart Grid" organized by AICTE Training and Learning (ATAL) Academy in association with Gyan Ganga Institute of Technology and Sciences from 12-16 July/2021.
- Participated & Completed Successfully Five Days Online Elementary Faculty Development Programme (FDP) on "Microgrid An Opportunity: Electric Vehicles and Renewable Energy Resources" organized by AICTE Training and Learning (ATAL) Academy in association with Dayalbagh Educational Institute, Agra from 05-09 July/2021.
- Attended National Level Online webinar on “HAMARA TEJAS”- India's own 4th Gen Fighter” Jointly Organized by Department of Electronics & Communication Engineering and Institute of Engineering & Technology, Dr. Ram Manohar Lohia Avadh University, Ayodhya, UP, in Association with ISTE Dr. AIT Students Chapter under TEQIP-III held on 24/June/2021.
- Participated & Completed Successfully Five Days Online Faculty Development Programme (FDP) on “Future & Challenges in Engineering and Technology” Organized by Department of Electrical Engineering, Krishna Engineering College, Mohan Nagar, Gaziabad (U.P.) on 14-18 May/2021.
- Attended National Level Online one day Workshop on “Mastering in Video Editing using Adobe Premier Pro” organized by Department of Computer Science & Applications, Mandsaur University, Mandsaur (M.P.) on 08/May/2021.
- Attended National Level Online Six days Workshop on “Artificial Intelligence & Machine Learning” organized by Department of Computer Science & Applications, Mandsaur University, Mandsaur (M.P.) on 07-12. May/2021.
- Participated & Completed Successfully One Week Online Induction/Refresher Programme on “The Impact of Faculty Development on Teaching Skills and Research Scholars for Technical Perspectives- Phase-III” Sponsored by AICTE - ISTE association with School of Engineering, Sri Satya Sai University of Technology and Medical Sciences, Sehore (M.P.) on 20-26. April/2021.
- Attended National Level Online Webinar on “Electric Vehicle Power train Simulation in Real Time” organized by Department of Electrical & Electronics Engineering, Bansal College of Engineering, Mandideep (M.P.) on 22/April/2021.
- Participated & Completed Successfully One Week Online Short Term Training Program (STTP) on “Electric Vehicle- Phase III” Sponsored by AICTE, under AQIS New Delhi in association with Department of Electrical & Electronics Engineering, Lakshmi Narain College of Technology, Bhopal (M.P.) on 05-10 April/2021.

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- Attended National Level Online one day Workshop on “Curriculum Design & Outcome Based Education for Quality Excellence” organized by Grand Academic Portal (GAP) with IQAC Cell Rabindranath Tagore University, Bhopal (M.P.) on 03/April/2021.
- Participated & Completed Successfully One Week Online Induction/Refresher Programme on “Microgrid Scenario & Control” Sponsored by AICTE - ISTE association with Rajasthan Institute of Engineering & Technology, Jaipur (RJ) on 01-07. April/2021.
- Participated & Completed Successfully One Week Online Orientation/Refresher Programme on “Emerging Trends on Network & IoT” Sponsored by AICTE - ISTE association with Infinity Management & Engineering College, Sagar (M.P.) on 19-25. Mar/2021.
- Participated & Completed Successfully One Week Online Induction/Refresher Programme on “The Impact of Faculty Development on Teaching Skills and Research Scholars for Technical Perspectives- Phase-II” Sponsored by AICTE - ISTE association with School of Engineering, Sri Satya Sai University of Technology and Medical Sciences, Sehore (M.P.) on 23-31. Mar/2021.
- Participated & Completed Successfully One Week Online Short Term Training Program (STTP) on “Electric Vehicle- Phase II” Sponsored by AICTE, under AQIS New Delhi in association with Department of Electrical & Electronics Engineering, Lakshmi Narain College of Technology, Bhopal (M.P.) on 08-13 Mar/2021.
- Attended National Level Online Webinar on “Un Sustainable Development Goals and Energy Conservation” organized by Department of Electrical & Electronics Engineering, Bansal College of Engineering, Mandideep (M.P.) on 12/Mar/2021.
- Attended National Level Online Webinar on “Promising Welding Career in Advance Manufacturing Industry 4.0” organized by Department of Electrical & Electronics Engineering, Lakshmi Narain College of Technology, Indore (M.P.) on 10/Mar/2021.
- Participated & Completed Successfully One Week Online Induction/Refresher Programme on “The Impact of Faculty Development on Teaching Skills and Research Scholars for Technical Perspectives” Sponsored by AICTE - ISTE association with School of Engineering, Sri Satya Sai University of Technology and Medical Sciences, Sehore (M.P.) on 09-16. Mar/2021.
- Participated & Completed Successfully Five Days Online Faculty Development Programme (FDP) on “Power Quality Issues and Energy Management in a Grid Integrated with Renewable Sources” Organized by BPUT Orissa (ATU), under TEQIP-III in association with Department of Electrical Engineering, Einstein Academy of Technology & Management, Bhubaneswar (Orissa) on 24-28 Feb/2021.
- Participated & Completed Successfully AICTE Sponsored Seven Days Orientation/Refresher Programme on “Industrial Applications of MATLAB” held under the Department of Electrical & Electronics Engineering at Ojaswini Institute of Management & Technology, Damoh (M.P.) from 11-17 Feb/2021.

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- Participated & Completed Successfully Five Days Online Faculty Development Programme (FDP) on “Energy Storage” Organized by AICTE Training and Learning (ATAL) Academy in Association with KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu from 22-26 Feb/2021.
- Participated & Completed Successfully Five Days Online Faculty Development Programme (FDP) on “Green Technology & Sustainability Engineering “Organized by AICTE Training and Learning (ATAL) Academy in Association with Sree Vidyanikethan Engineering College, A. Rangampet from 15-19 Feb/2021.
- Attended National Level Online Webinar on “Power Electronic Converters for Renewable Energy Systems" organized by Department of Electrical & Electronics Engineering, Bansal College of Engineering, Mandideep (M.P.) on 11/Feb/2021.
- Participated & Completed successfully one week Online Short Term Training Program (STTP) on “Electric Vehicle” Organized by AICTE, under AQIS-New Delhi in association with Department of Electrical & Electronics Engineering, Lakshmi Narain College of Technology, Bhopal (M.P.) from 08-13 Feb/2021.
- Participated & Completed Successfully Five Days Online Faculty Development Programme (FDP) on "Sensors Technology" organized by AICTE Training and Learning (ATAL) Academy in association with North-Eastern Hill University, Shillong, Meghalaya from 08-12 Feb/2021.
- Participated & Completed Successfully AICTE Sponsored Six Days Online Short Term Training Program (STTP) on “Enhancement in Load ability of EHV Transmission System: Reduction in Line Losses” held under the Department of Electrical Engineering at Gyan Ganga Institute of Technology & Science, Jabalpur (M.P.) from 17-22 Aug/2020.
- Attended an Online Webinar on “Time & Stress Management during Examination” Organized by RGPV, under TEQIP-III in association with Department of Basic Science and Computer Science & Engineering, Truba College of Science and Technology, Bhopal (M.P.) on 27/Aug/2020.
- Coordinator of National Level Online Webinar on “Real Time Simulation of Electric & Hybrid Electric Vehicle" organized by Department of Electrical & Electronics Engineering, Bansal College of Engineering, Mandideep (M.P.) on 07/July/2020.
- Participated & Completed Successfully One Day Online Short Term Training Program (STTP) on “Improving Employability Skills which can be Crucial Post COVID-19” Organized by RGPV, under TEQIP-III in association with School of Computers, IPS Academy, Indore (M.P.) on 04/July/2020.
- Attended National Level Online Webinar on “Future of Electric Vehicle" organized by RGPV, under TEQIP-III in association with Department of Electrical & Electronics Engineering, Lakshmi Narain College of Technology, Bhopal (M.P.) on 04/July/2020.
- Attended National Level Online Webinar on “Smart Grid & Energy Management" organized by RGPV, under TEQIP-III in association with Department of Electrical & Electronics Engineering, Trinity Institute of Technology & Research, Bhopal (M.P.) on 21/July/2020.

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- Attended National Level Online Webinar on “Battery Charging Technology” organized by Department of Electrical Engineering, SND College of Engineering & Research Centre, Yeola, Nasik (M.H.) on 22/July/2020.
- Participated & Completed Successfully Three Days Online Short Term Training Program (STTP) on “Applications of Artificial Intelligence in Various Mechanical Systems” Organized by RGPV, under TEQIP-III in association with Department of Mechanical Engineering, Bansal Institute of Science & Technology, Bhopal (M.P.) on 29-31 July/2020.
- Participated in National Level Online Quiz on “Fundamental of Electronics” Organized by Department of Electrical & Electronics Engineering, Mandsaur University, Mandsaur (M.P.) on 24/June/2020.
- Participated & Completed Successfully Five Days Online Faculty Development Programme (FDP) on “Entrepreneurship & Innovation” Organized by Entrepreneurship Development Cell, Parul University, Vadodara (Gujarat) & supported by Student Startup & Innovation Policy (SSIP), Government of Gujarat from 09-13 June/2020.
- Participated & Completed Successfully One week Online Faculty Development Programme (FDP) on “Design of Solar PV System Using PVSYST Software” Organized by Department of Electrical & Electronics Engineering, Vaagdevi College of Engineering, Hyderabad from 09-13 June/2020.
- Participated & Completed Successfully Three Days Online Faculty Development Programme (FDP) on "Outcome Based Education- NBA Accreditation" organized by RGPV, under TEQIP-III in association with Department of Electrical & Electronics, Oriental Institute of Science and Technology, Bhopal (M.P.) from 15-17 June/2020.
- Participated & Completed Successfully Three Days Online Short Term Training Programme (STTP) on “Rising Trend For Use of IOT in Hydroponics: An Innovative Farming for Future” organized by RGPV, under TEQIP-III in association with Department of IT, Bansal Institute of Science & Technology, Bhopal (M.P.) from 22-24 June/2020.
- Attended National Level Online Webinar on “R&D Prospects for Engineers (Defense & Civil Sectors)” organized by Madhyanchal Professional University, Bhopal (M.P.) on 27/June/2020.
- Attended One Day Online National Level Seminar on “Data Protection & Cyber Security” Organized by RGPV, under TEQIP-III in association with Department of Computer Science & Engineering, IES College of Technology, Bhopal (M.P.) on 30/May/2020.
- Coordinator of National Conference on Advance Research Development in Science & Technology (NCARDST-2014) held in RKDF Institute of Science & Technology, Bhopal (M.P.) in year 2014.

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PATENTS PUBLISHED

- Prof. Ajay K. S. Singholi, Rajneesh Sharma, Banalaxmi Brahma, Surendra Solanki, Dr. Archana Nanoty, **Dr. Prateek Nigam**, Dr. Yogini Dilip Borole, Dr. Sanjiv Kumar Jain, Anurag Shrivastava, “*A System For Electric Terrain Vehicle Dynamics Analysis And Optimization*” Indian Patent, Application No. 202111036381 A, Filing Date: 11/08/2021, Publication Date : 03/09/2021.
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