

Brief Profile

Name : Dr. Rajeev Kumar Chauhan

Date of Birth : 31-01-1978

Educational Qualification

- *Ph.D.* : Ph.D (Electrical Engineering)
- *M.Tech* : M.Tech (Electrical Engineering)
- *B.Tech* : B. E. (Electrical Engineering)

Work Experience

- *Teaching* : 18.50 Years
- *Research / Industry* : Supervising one Ph.D student

E-mail ID : rajeev.chauhan@miet.ac.in

Contact No. : 9873479813

Area of Interest : Power Quality and Emerging Power Systems

Teaching

- *Subjects Taught at UG Level* : Basic Electrical Engineering, Introduction to Power Quality & FACTS, Protection & Switchgear, Measurement & Instrumentation, Power System.
- *Subjects Taught at PG Level* : ----

Research Guidance

- *B.Tech* : Guided 06 Project Groups at B. Tech level
- *M.Tech* : ----
- *Ph.D.* : Guiding one Ph.D student

Research Publications

- *Journals* : 05
- *Conferences* : 03
- *Book Chapters* : 07

Patent/IPR : ----
(*Books Published etc.*)

No. of National/International Conferences attended/ Paper Presented : 05

No. of Conferences Organized : ----

STC/FDP/Seminars/Workshops Organized : ----

STC/FDP/Summer/Winter Schools/Workshops /Seminars attended : 15

Certification Courses (NPTEL etc.) : 05

Memberships of the Professional Societies : IEEE, ISTE

Awards/Honors : Received Best Teacher Awards at College Level

Funded Project : -----

Name of Project	Funding Agency	Duration	Total Value
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Any other relevant Information :

LIST OF PUBLICATIONS

Journal:

- [1]Rajeev Kumar Chauhan, DiptiSaxena and J. P. Pandey, “Automated Bearing Fault Diagnosis using Packet Features of Vibration Signal and Gaussian Support Vector Machine”, International Journal of Recent Technology & Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-6S, **March 2020**.DOI:10.35940/ijrte.F1014.0386S20
- [2] Rajeev Kumar Chauhan, Mashhood Hasan, J. P. Pandey, “Intelligent control model to enhance the performance of unified power quality conditioner”, Journal of Intelligent & Fuzzy Systems 35 (**2018**) 5007–5020, IOS Press (DOI:10.3233/JIFS-169785)
- [3]Rajeev Kumar Chauhan, J. P. Pandey, AseemChandel, “Profoundly Robust Power Quality Event Classifier Based on Wavelet Transformation and Artificial Intelligence”,European Journal of Applied Sciences 8 (2): 93-112 (**2016**).DOI: 10.5829/idosi.ejas.2016.8.2.22886
- [4]] Rajeev Kumar Chauhan, J. P. Pandey “Mitigation of Power Quality Problems Using FACTS Devices: A Review”, International Journal of Electronics and Electrical Engineering, ISSN 0974-2174, Vol.7 Number.3, pp.255-262 (**2014**).
- [5] Rajeev Kumar Chauhan and J. P. Pandey “Power Quality Analysis Using Various Techniques: A Review” Cyber Times International Journal of Technology & Management, ISSN: 2278-7518, Vol.6 Issue.1, March **2013**.
- [6] Rajeev Kumar Chauhan, Bhavesh Kumar Chauhan, J. P. Pandey, “Biometric Applications for Human Safety: A Brief Review”, Cyber Times International Journal of Technology & Management, ISSN: 2278-7518, Vol.5 Issue.2, September **2012**.

Books / Book Chapters:

- [1]ShefaliTripathi, D. saxena, Rajeev Kumar Chauhan and AnantSant, “Reactive Power Pricing Framework in Maharashtra”. LNEE in Springer Nature Singapore Pte Ltd. **2021** (ISBN: 978-981-16-2353-0). https://doi.org/10.1007/978-981-16-2354-7_4
- [2] Deepak Singh, D. Saxena and Rajeev Kumar Chauhan, “Analysis of the Impact of AC Faults and DC Faults on the HVDC Transmission Line”. LNEE in Springer Nature Singapore Pte Ltd. **2021** (ISBN: 978-981-16-2353-0). https://doi.org/10.1007/978-981-16-2354-7_12
- [3] Deepesh Mali, D. Saxena and Rajeev Kumar Chauhan, “Economic Load Dispatch Monitoring and Optimization for Emission Control Using Flower Pollination Algorithm: A Case Study. Book Chapter in AI and Machine Learning Paradigms for Health Monitoring System, Springer Nature Singapore Pte Ltd. **2021** (ISBN: 978-981-33-4411-2, ISSN: 2197-6503).<https://doi.org/10.1007/978-981-33-4412-9>
- [4] Sakshi Gupta, D. Saxena, Mukesh Kumar Shah and Rajeev Kumar Chauhan, “Optimal Integration of Plug-In Electric Vehicles within a Distribution Network Using Genetic Algorithm”. Book Chapter in AI and IOT in Renewable Energy, Springer Nature Singapore Pte Ltd. **2021**(ISBN: 978-981-16-1010-3, ISSN: 2730-6453). <https://doi.org/10.1007/978-981-16-1011-0>
- [5] Abhinav K. Gautam, Rajeev Kumar Chauhan, J. P. Pandey and K. S. Verma, “A Survey on Solar Power for Present and Future Perspective in Indian Market”,LNEE in Renewable Power for Sustainable Growth, Springer Nature Singapore Pte Ltd. **2021** (ISBN: 978-981-33-4079-4, ISSN: 1876-1119).https://doi.org/10.1007/978-981-33-4080-0_12
- [6] Rajeev Kumar Chauhan, J. P. Pandey, Mashhood Hasan, “Comparative Performance of the Various Control Techniques to Mitigate the Power Quality Events Using UPQC”, Springer Nature Singapore Pte Ltd. **2018**, Lecture Notes in Electrical Engineering (ISBN: 978-981-10-8239-9). https://doi.org/10.1007/978-981-10-8240-5_4
- [7]Mashhood Hasan, J. P. Pandey, Rajeev Kumar Chauhan, “A Hybrid Control Algorithm for Extraction of Voltage Harmonics to Mitigate Power Quality Problems Using UPQC”, Springer Nature Singapore Pte Ltd. **2018**, Lecture Notes in Electrical Engineering (ISBN: 978-981-10-8240-5). https://doi.org/10.1007/978-981-10-8240-5_3

Conferences:

- [1]Rajeev Kumar Chauhan, DiptiSaxena and J. P. Pandey, “Spectral Investigation of Heart Rate Variability Signals Using Stockwell-Transform”, **IEEE International Conference (ICCCA 2020), 05-07 February, 2020** at AKTU, Lucknow. (IEEE Conference Record: 48958) available on IEEE Xplore Digital Library. <https://doi.org/10.1109/IC3A48958.2020.233671>