

Mr. Sachit Rathee
Assistant Professor
(Electrical & Electronics Deptt.),
Maharaja Surajmal Institute of Technology (MSIT),
GGSSIP University,
C-4, Janak Puri,
New Delhi.- 110058
India

Educational Qualification: Pursuing Ph.D. (Electrical Engineering Department) from National Institute of Technology, Kurukshetra, Haryana-136119

Research topic: “**Reliability analysis of wireless power transfer charging infra for EV’s**”

M.Tech (Electrical Engineering Department (I&C)) from DCRUST, Murthal in 2015 secured first class (76%).

GATE (2013) qualified.

B.Tech. (I&C) from MDU university, Rohtak.

10+2 (Moder School, Barakhamba Road, New Delhi-01)

10th (Moder School, Barakhamba Road, New Delhi-01)

Professional Experience: Total Teaching Experience - Over 9 Years

Presently working as Assistant Professor at Maharaja Surajmal Inst. of Technology, Janakpuri, New Delhi under G.G.S.I.P. Univ.

Worked as AssiatantProfessor at PDM College of Engineering (from July, 2015 till Mar, 2017)

Publications in Refereed Journals/ Conferences:

International Journals:

1. **Sachit Rathee** and G.L.Pahuja, “Enhanced LCC compensation topology with integrated duo transmitter winding for efficient wireless power transmission in EV” *Proceedings on Engineering Sciences*, Vol. 06, No. 3 (2024) 1403-1412. (**Scopus**)
2. Sachit Rathee “Solar energy based charging track on toll plaza with RFID vehicle detection system”, Satyam, Dec 2020.
3. Sachit Rathee, “Vehicle automatic licensed number plate recognition using artificial neural network” IJRAR, vol 8, Dec 2019.

International/ National Conferences:

1. **Sachit Rathee** et.al. “Load frequency control in multiarea power system using TID control scheme” presented in **IEEE conference ICCTES 2021**.
2. **Sachit Rathee** et.al., “Frequency control using captive generation and demand response” presented in **IEEE conference ICCTES 2021**.
3. **Sachit Rathee** et.al., “Assesment of two 20KW PV solar energy generation plant in homogeneous environment” presented in **IEEE Conference ICPEEIC-2023**.
4. **Sachit Rathee** et.al., “Sustainability of Renewable-Energy-Source-Classification utilizing moderator-intuitionistic fuzzy hybrid averaging operator” in 2024 4th IEEE international conference ICAECT-2024.
5. **Sachit Rathee** et.al., “Ambiguous fuzzy einstein ordered averaging operator: Application to the classification of power generation methods” presented in IEEE conference.
6. **Sachit Rathee** et.al., “ Solar photovoltaic MPPT analysis using PO fuzzy logic controller and IC fuzzy logic controller” 3rd ICCCCM-2024 IEEE conference.
7. **Sachit Rathee** et.al., “Renewable-Energy-System Application of ambiguous-Fuzzy-Hybrid-Averaging operator” in ICICACS-2024 IEEE conference.
8. **Sachit Rathee** et.al., “Intelligent tools and techniques for photovoltaic solar energy generation plant with statistical analysis” 2024 IEEE 9th International Conference for Convergence in Technology (I2CT).
9. **Sachit Rathee** et.al., “Electrical power plant decision-making by utilizing IFS weighted averaging operator” 2024 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE).

Patents:

1. Wireless electrical road for charging future EV, 202321001634, dated 08/01/2023 published on 22/01/2023.

Certification Courses:

1. Completed 1 Year NPTEL Certification on the topic “NITTT: continuous evaluation course for teachers” total 8 modules with 76% marks.

FDP/ Seminars attended:

1. Recent Trends in Electric power & Energy systems (DCRUST, Murthal) from 14-18, sept. 2020
2. laboratory practices on electrical machines and controls (NITTTR, Chd) from 24-28 June, 2019.
3. Indian Electricity Rules and Codes of Practices (NITTTR, Kolkata) from 16-20 Dec, 2019.
4. Recent trends in artificial intelligence and its applications (MSIT) from 29nov-03dec, 2021.

5. Electric vehicle technologies with OPAL-RT solutions(YMCA) from 20-25 Dec, 2021.
6. Recent trends in artificial intelligence (MSIT) from 22-27 Jan, 2024.
7. Digital tools for teaching and learning (NITTTR) from 11-15 Mar, 2024

M.Tech. Thesis Guided: 01

1. Piyush Tiwari, M.Tech (Electronics and Communication Engineering, PDM college of Engineering, 2016), titled “Analysis of channel capacity and PAPR in MIMO-OFDM System”

Awards/ Recognition / Responsibilites:

1. **Convener** of new CSS sub-Station 1600KVA at SMES, Janakpuri-58
2. **Member** of Exam cell MSIT.
3. **Received Outstanding Institute** recognized by AICTE for conduction of JEE examination in 2022.
4. **Member** of Unnat Bharat Abhiyan a government initiative.
5. **Member** of Discipline Committee SMES (case of CSS)

Subjects taught:

Electrical Science, Circuit Theory, Control System, Electrical and Electronics measuring instruments, Electrical Machines.

Personal Information: Date of Birth- 10/04/1991

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