

FACULTY PROFILE



Name: Dr. Ruchita

Designation: Assistant Professor

Email: ruchitak@srmist.edu.in

Professional Qualification:

- Ph.D. (Operation), 2023, Indian Institute of Technology Delhi, Delhi.
- M.Tech (Electronics and Communication), 2017, Indira Gandhi Delhi Technical University for Women, Delhi
- B.Tech (Electronics and Communication), 2013, Rajasthan Institute of Engineering and Technology, Jaipur.

Publications (Journals & Conferences):

- **Ruchita**, “Identification of potential barriers of EVsCI using EFA” Int J Syst Assur Eng Manag (2022). <https://doi.org/10.1007/s13198-021-01587-w>.
- **Ruchita, & Shankar, R.**, “Electric Vehicles Charging Infrastructure Framework for Smart Transportation”, Distributed Generation & Alternative Energy Journal, 38(01), 2022, 85–110. <https://doi.org/10.13052/dgaej2156-3306.3815>.
- **Ruchita, & Shankar, R.**, "Hybrid EVs Using SWOT Analysis," 2022 2nd International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET), Patna, India, 2022, pp. 1-5, doi: 10.1109/ICEFEET51821.2022.9848300.
- **Ruchita**, “Smart Transportation: Modeling Barriers of Electric Vehicles Charging Infrastructure” Journal of System and Management Sciences, Vol. 11 (2021) No. 4, pp. 190-217, DOI:10.33168/JSMS.2021.0410.

- **Ruchita**, Kumar, R., Kumar, R., & Sharma, K., “Comparative Analysis of Optimization Techniques for Controlling an AVR System” Published in Conference: 2019 “International Conference on Recent Advances in Energy-efficient Computing and Communication (ICRAECC)” March 2019. DOI: 10.1109/ICRAECC43874.2019.8995130.
- **Ruchita**, Kumar, R., Kumar, R., & Sharma, K., “Comparative Analysis of Two Optimization Techniques for Controlling an AVR System” Published in “International Journal of Electronics, Electrical and Computational System” Volume 6, Issue 6 (June 2017).
- Kumar, R., Das M., Mandal, K.R., **Ruchita**, “A Technique Enhancement of Power System” Published in “International Journal of Engineering Science” Volume 2, Issue 3 (March 2013), PP. 47-55.
- Kumar, R., Kumar, C., **Ruchita**, “System Identification-Different Techniques” Published in “International Journal of Engineering Research and Development” Volume 5, Issue 2 (December 2012), PP. 44-46.

Awards and Achievements

- College topper in B.Tech with **HONOURS** Degree.
- College topper in M.Tech with **DISTINCTION** Degree.

Workshops/Seminars/FDPs

- Attended a 3 Weeks Online Course on Multi Modal Logistics (MML) Conducted Jointly by NITIE and CEMS From 1st of April 2023 to 16th of April 2023.
- Attended a workshop on “Research Paper Writing and Journal Selection” organized by Faculty of Commerce and Management, SGT University on 27th August to 28th August 2021.
- Attended conference programs on World EV Show on 14 November 2019 at The Leela Ambience Convention Hotel Delhi.
- Visit Renewable energy India Expo Centre, Greater Noida on 18th, 19th, 20th September 2019 which helps to stay informed about the latest technological innovations in renewable energy sector, insights into current global trends in renewable energy industry.
- Attended conference programs at India Expo 19th September 2019 with industry experts and renowned speaker on Topics “Policy and regulations recommendations towards encouraging private investments in captive and public charging infrastructure”,

“Corporate Adoption of Electric Vehicles in India”, “Energy Storage for EVs” and interactive workshops and seminars at the exhibition.

- Attended a workshop on “Block Chain” held on 2nd March 2019, organized by ROBOTECH ABS PVT.LTD at IIT Delhi.
- Attended a workshop on “Machine Learning & Artificial Intelligence” held on 3rd March 2019, organized by ROBOTECH ABS PVT.LTD at IIT Delhi.
- Visit Elecrama at India Expo Centre, Greater Noida on 10th March 2019.
- Attended Seminar talk by Professor Chris Greig, Director, Dow Centre for Sustainable Engineering Innovation Director, University of Queensland on 22nd June 2018 on topic "Accelerating the transition to a low-carbon energy economy - Understanding and resolving bottlenecks – especially in the developing world."
- Attended a 3rd edition of International Conference on “PPP Model on Waste to Worth Projects” held on 30th November 2018, organized by Ministry of Housing and Urban Affairs (MoHUA) and Ministry of Environment, Forest & Climate Change (MoEF & CC), Government of India at Hotel Shangri La, New Delhi.
- Attended a workshop on “5G Workshop-India Perspective” held on 21 September 2018, organized by Prof. Brejesh Lall at Bharti School of Telecommunication Technology and Management.
- Attended a workshop on “Recent Advancements in Control Systems Engineering iwracse-2013 technically sponsored by Institute of Engineers, Indian Society for Technical Education, New Delhi held on 18th January 2013 at RIET Jaipur.
- Attended a workshop on Robotics held from 18th February to 19th February 2012 at RIET Jaipur by Robosapiens Technologies Pvt. Ltd.
- Attended a workshop on Entrepreneurship Awareness Program on 26th – 27th March 2012.

Work Experience: 4.6 Years