

FACULTY PROFILE



Name: Giraja Shankar Chaurasia

Designation: Assistant Professor

Email: girajasc@srmist.edu.in

Professional Qualification:

- Ph.D., Dr. A. P. J. Abdul Kalam Technical University (AKTU) Lucknow India (Nov, 2020).
- M.Tech., Madan Mohan Malviya University of Technology Gorakhpur (U.P) India (Jun 2009)
- AMIE ., Institution of Engineers (India) (June 2005)

Publications (Journals & Conferences):

- Rajoria, C.S., Agrawal, S., Tiwari, G.N. and **Chaurasia, G.S.**, 2015. Exergetic and enviroeconomic analysis of semitransparent PVT array based on optimum air flow configuration and its comparative study. *Solar Energy*, 122, pp.1138-1145.
- **Chaurasia, G.S.**, Singh, A.K., Agrawal, S. and Sharma, N.K., 2017. A meta-heuristic firefly algorithm based smart control strategy and analysis of a grid connected hybrid photovoltaic/wind distributed generation system. *Solar Energy*, 150, pp.265-274.
- Agrawal, S., **Chaurasia, G.S.** and Mishra, A., 2022. Simulation & Performance Analysis of Stand-by Distributed Generation System. *Indian Journal of Engineering and Materials Sciences (IJEMS)*, 29(5), pp.622-629.
- Sambhi, S., Sharma, H., Bhadoria, V., Kumar, P., Chaurasia, R., **Chaurasia, G.S.**, Fotis, G., Vita, V., Ekonomou, L. and Pavlatos, C., 2022. Economic Feasibility of a Renewable Integrated Hybrid Power Generation System for a Rural Village of Ladakh. *Energies*, 15(23), p.9126.
- **Chaurasia, G.S.**, Agrawal, S. and Sharma, N.K., 2017. Comparative Analysis of Various MPPT-Techniques for Optimization of Solar-PVEC System. *Global Journal of Enterprise Information System*, 9(3).
- Aman Gupta, Arun Chaudhary, V.S. Gupta, **G S Chaurasia**, "Modelling and Simulation of 500kW solar Photovoltaic System: a Case Study," International Journal of Education and science Research Review (IJESRR), ISSN No.- 2349-1817, Vol-2, Issue-2, April-2015. <http://www.ijesrr.org/publication/27/IJESRR%20V-2-6-8.pdf>.

CONFERENCES

- Jeeva, C., **Chaurasia, G.S.**, Marshal, A., Raghavendra, R.P. and Sabarikrishnan, S., 2022, December. Digital Holographic Based Food Supply Post Flood Assessment System. In *2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)* (pp. 1-5). IEEE.
- Jeeva, C., **Chaurasia, G.S.**, Porselvi, T., Gandhi, A.S., Subiksa, G. and Dhivyashri, M., 2022, December. Atmospheric Air Condensation for Irrigation by the application of Peltier effect using Solar energy. In *2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)* (pp. 1-5). IEEE.
- Agrawal, S., **Chaurasia, G.S.** and Mishra, A., 2022. Simulation & Performance Analysis of Stand-by Distributed Generation System. *Indian Journal of Engineering and Materials Sciences (IJEMS)*, 29(5), pp.622-629.
- **Chaurasia, G.S.**, Agrawal, S., A proposed work on standalone power supply system. Sponsored National Conference on Energy, Power and Intelligent Control Systems, On 28-29 March 2014 Galgotias College of Engineering & Technology, Greater Noida.

FDP/ SEMINARS/WORKSHOPS/ COURSES

- A three day workshop/course on Design thinking training organized by INTELLECT, Chennai, duration 08-10 May 2023.
- Three-Day Online FDP on “Integration of Renewable Energy Systems- Research Tools / Industrial Perspective” Organized by Department of Electrical and Electronics Engineering, Lakireddy SRM IST Chennai from 18.05.2023 to 22.05.2023
- Five day Online Faculty Development Programme on “Developing Healthy Work Culture from 13/03/2023 to 17/03/2023, Organized by national institute of technical teachers training and research, sector 26, chandigarh-160019
- one day workshop on "Electric Vehicle Technologies and Proposal Writing for Government Fundings in Emerging Areas" held on 31st May 2022 at Delhi Technological University.
- Faculty Development Programme on Research Challenges in Electrical Engineering and the solution with Software, held on 20-12-2021 to 24-12-2021 at Sai Ram Engineering college west Trambaram Chennai.
- Faculty Development Programme on advanced security analytics and Machine learning held on 18 April 2022 to 22 April 2022 at SRM IST Modinagar Ghaziabad.
- One day Seminar on Need and Importance of Industrial Safety held on 20-06-2021 at SOET IGNOU New Delhi on “National workshop on Power Electronics (NWPE-2015)” on 6th and 7th November 2015.
- QIP course on Alternative sources of Energy from IIT, Delhi in Jul 2008.
- Technical Supervisor Course at Electrical & Instrument Training Institute Air Force Station, Bangalore.

Awards and Achievements

HONOURS/ AWARDS/ ACHIEVMENT

- Award of Best Teacher (2012) in recognition of outstanding performance and dedication to academics.
- Award of Best Teacher (2022) in recognition of outstanding performance and dedication to academics.

Work Experience:

TEACHING EXPERIENCE (13 YRS)

- *Assistant Professor* **August 2010 - Present**
Electrical & Electronics Engineering Department,
SRM Institute of Science and Technology Ghaziabad , Uttar Pradesh, India

EXPERIENCE IN INDIAN AIR FORCE (20 YEARS)

NATURE OF RESPONSIBILITY

- Preparation of training modules to escalate skills and efficiency of the personnel.
- Printing, data backup of technical draft publications and related maintenance documents for all aircrafts.
- Maintenance of network and website.
- Office Management.
- Maintenance, servicing and inspection of 7.5 KVA to 300 KVA DG Sets.

PATENT FILED

- Application No: - 202141035772
- Title – GATEWAY CLUSTERING EFFICIENT CENTROID INTEGRATED PROTOCOL FOR WIRELESS SENSORS TO INCREASE THE PRODUCTIVITY IN THE AGRICULTURE FIELD.
Application No:- 349542-001
Title – Design application

Professional Memberships:

- AMIE
- ISTE