



Faculty Profile on University Website

www.mjpru.ac.in

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|--|---|--|--|---|-------------|-------------------|
| Title | Dr. | First Name | PRABHU | Last Name | OMER | Photograph |
| Designation | | Assistant Professor | | | | |
| Department | | Electrical Engineering (EE) | | | | |
| Address | Campus | EED | | | | |
| | Residence | B-53, Savanna Heights, Golden Green Park, Bareilly-243006 | | | | |
| Mobile No. | | +91-98556355955 | | | | |
| Email ID | | Personal | Prabhu.omer89@gmail.com | | | |
| | | University Domain | - | | | |
| Professional Networking ID, i.e. LinkedIn, Twitter etc. | | Prabhuomer (LinkedIn) | | | | |
| Educational Qualifications (Graduation Onwards) | | | | | | |
| Course/Degree | Institution | | Year | Details/Thesis Topic/Subjects | | |
| B. Tech. | Kanpur Institute of Technology, Kanpur (Affiliated to GBTU, Lucknow) | | 2011 | Electrical and Electronics Engineering | | |
| M. E. | PEC University of Technology, Chandigarh | | 2013 | Power Electronics ("Comparison of Modulation Strategies of Cascaded-MLI") | | |
| Ph. D. | Punjab Engineering College (Deemed to be University), Chandigarh | | 2021 | "Analysis and Development of Solar PV Based Standalone System using New Multilevel Inverter Topologies" | | |
| Career Profile | | | | | | |
| Organization / Institution | | Designation | Duration | Nature of Duties | | |
| FET, MJP Rohilkhand University, Bareilly | | Assistant Professor | 2 Years, 9 months and continuing | Teaching, Evaluation, Research, Coordinator (NBA, GATE, | | |

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|------------------------------------|--|---|-----------------------------|---|-----------|--|-----------|---|-----------|
| Books & Monographs (Single Author) | | Research Papers Published in International Journals | 03 | Papers Presented in Seminars/ Conferences | 04 | Seminars/ Conferences Organized | 02 | Research Projects (Completed) | |
| Books (Co-authored) | | Research Papers Published in Other Journals | | Seminar/ Conferences Attended | 04 | Workshops Organized | 02 | Research Projects (Ongoing) | 01 |
| Books (Edited) | | Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc. | | Sessions Chaired in Seminars/ Conferences | | Membershi p of Academic/ Professional Bodies | 03 | Foreign Countries Visited for Academic Assignment s | |
| Chapters in Edited Books | | | Resource Lectures Delivered | 01 | | | | | |

| Details of Publications /Academic Activities (2010 Onwards) | | | | | | | | |
|---|--|------------------------------------|--|--|------------------|----------------------|------------|---------------------------------------|
| (a) Authored Books/ Monographs | | | | | | | | |
| Name of Book | | Year of Publication | | Publisher | | ISBN No | | |
| | | | | | | | | |
| (b) Edited Books | | | | | | | | |
| Year of Publication | Title | | Publisher | ISBN | DOI No. | Citations | | |
| | | | | | | | | |
| (c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals | | | | | | | | |
| Year of Publication | Title | | Name of Journal | ISSN No | Citations | Impact Factor | | |
| 2014 | Cascaded Nine Level Inverter Using Pulse Width Modulation and Hybrid PWM | | International Journal of Engineering Research and Applications | 2248-9622 | 02 | 1.54 | | |
| 2014 | Selective Harmonic Elimination for a Cascaded Multilevel Inverter | | International Journal of Research in Advent Technology | 2321-9637 | | 2.74 | | |
| 2020 | A Review on Reduced Switch Count Multilevel Inverter Topologies | | IEEE Access | 10.1109/ACCESS.2020.2969551 | 03 | 4.08 | | |
| (d) Chapter/Paper Published in Edited Books | | | | | | | | |
| Publication | | Title of the Book | Title of the Chapter | Name & Address of Publisher | Year | ISBN | DOI | Citation Google/web of science |
| National | International | | | | | | | |
| | | | | | | | | |
| (e) Invited as Resource Lectures Person/Examiner/Expert | | | | | | | | |
| Resource person | Detail of Event | Title of Lecture | | | Date | Institution | | |
| TEQIP 3 | MOOC | Introduction and implementation of | | | 30/01/2019 | FET MJP | | |

| | | SWAYAM/NPTEL courses in the curriculum | | Rohilkhand University, Bareilly | |
|--|--|--|-----------------|---------------------------------|------------|
| (f) Seminars/Conferences/Workshops Organized | | | | | |
| Organized Smart India Hackathon (SIH) 2020 by GOI at institute level | | | | | |
| Organized several seminars and workshops for faculty and students in the areas like start-ups, IPR, and Technical topics at FET, MJP Rohilkhand University, Bareilly. | | | | | |
| Core team member for organizing International conference ICAREMIT for two consecutive years (2019, 2020) at FET, MJP Rohilkhand University, Bareilly. | | | | | |
| (g) Projects (With Title, Year, Grants, Funding Agency and Collaborations) | | | | | |
| Year | Name of Project | Funding Agency | Amount | Duration | |
| | | | | From | Till |
| 2019 | Solar PV integration with hybrid multilevel inverter for efficient standalone system | CRS Scheme of AICTE under TEQIP-3 | INR 18.13 Lakhs | 30/06/2019 | Continuing |
| (h) Administrative Positions/Assignments Held | | | | | |
| Post | Organization | Duration | | | |
| | | From | To | | |
| | | | | | |
| (i) Seminar/Conference Presentations | | | | | |
| P. Omer, J. Kumar and B. S. Surjan, "Comparison of multicarrier PWM techniques for cascaded H-bridge inverter," <i>2014 IEEE Students' Conference on Electrical, Electronics and Computer Science</i> , Bhopal, 2014, pp. 1-6, doi: 10.1109/SCEECS.2014.6804463. | | | | | |
| P. Omer, J. Kumar and B. S. Surjan, "Design of robust PID controller for Buck converter using Bat algorithm," <i>2016 IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES)</i> , Delhi, 2016, pp. 1-5, doi: 10.1109/ICPEICES.2016.7853209 | | | | | |
| P. Omer, J. Kumar and B. S. Surjan, "A New Multilevel Inverter Topology with Reduced Switch Count and Device Stress," <i>2018 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)</i> , Gorakhpur, 2018, pp. 1-6, doi: 10.1109/UPCON.2018.8596999. | | | | | |
| P. Omer, J. Kumar and B. S. Surjan, "Optimized SHE-PWM Technique for Low Distortion Single Phase MLI for PV Standalone System," <i>2018 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)</i> , Gorakhpur, 2018, pp. 1-6, doi: 10.1109/UPCON.2018.8596992. | | | | | |

(j) Memberships of Academic/Professional Bodies

IEEE Member, PELS, IEEE-IAS

(k) Participation in Community Service / Exchange Programme / Consulting Activity

(l) International Academic Exposure

(m) Any Other Details

- Attended Short term course on “Advanced Pedagogies: Active Learning and Digital Tools” organised by IIT Roorkee.
- Attended many National/International technical conferences and workshops in India.
- Attended many short term courses/Faculty development programs in Renewable energy, MATLAB/SIMULINK and Artificial Intelligence.
- Attended workshops and webinars related to NBA, SWAYAM/NPTEL and EAP organised at National level.
- Served reviewer duties for various SCI/SCIE peer reviewed research journals such as IEEE Transactions on Power Electronics, IET Power Electronics, IET Renewable power generation and many more.



Signature of Faculty Member