



**(Ambreen Siddiqui)**

**Assistant Professor, Department of Electrical Engineering, Faculty of Engineering,  
Integral University, Lucknow**

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Hyperlinks of ([Google Scholar](#), [Orchid ID](#), [Research Gate](#), [Web of science](#), [Scopus](#), [Linkedin](#))

## PROFILE

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**Ambreen Siddiqui** joined the Department of Electrical Engineering as a Lecturer in July 2009. Later on, she was promoted to the post of Assistant Professor in March 2015. She has more than 15 years of overall experience. Mrs. Ambreen Siddiqui completed her B.Tech and M.Tech from Integral University in the years 2009 and 2013 respectively. She is pursuing PhD from Integral University in the current year. She is the coordinator of the department club named “Reveal Talent Club” and also works as the Mentor Coordinator of the department under the aegis of Deeksharambh.

### RESEARCH INTEREST:

- BESS
- Control System
- Renewable Energy

### PROFESSIONAL MEMBERSHIP:

- Solar Energy Society of India (SESI).

### COURSE TAUGHT:

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- Basic Electrical Engineering
- Power Electronics
- SCADA & Applications
- Renewable Energy Technology
- Solar Engineering
- Control System
- Power Station Practices
- Electric Traction
- DSP & its Application
- Industrial Automation
- Power Apparatus and System Modeling
- Human Values

## ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

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- Member of cultural events in University Fiesta
- Departmental Mentor Coordinator- Deeksharambh (Student Induction Program 2024)
- EE Departmental Club – “Reveal Talent Club” Coordinator.
- Member of Organising Committee in the National Conference on Emerging Trends in Mechanical & Electrical Engg. (NCETMEE-12) held on 12,13 Jun '2012 organized by the Department of Electrical & Electronics Engg / Mechanical Engg, Integral University, Lucknow.
- Faculty Coordinator in the National Workshop on Arm Controlled Robotics held on 11-13 Feb'2015 by Microbotric Technologies and Integral University, Lucknow.
- Local Coordinator of STC on “IoT & Sensor Network” organized by NITTTR, Chandigarh during October 09 -13, 2023.
- Organized International seminar on “ Modern Trends in engineering and Sciences” on August 03, 2017 under the aegis of HRDC, IU,Lko.
- Member of Registration committee in CCTES-18 on Sep 14-15, 2018.
- Organized a STC on “Advance Power Converters for Renewable Energy & Smart Grid” from Feb 15-19, 2016 under the college of Academic Staff College”.
- Coordinator in National Workshop on “ Arm Controlled Robotics” from Feb 11-13, 2015.
- Organized a Campus MOCK Test from Oct 26-Nov 08, 2016 under CCG&D.

## STUDENTS SUPERVISION

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M. Tech	03
B. Tech	15

## PUBLISHED/GRANT PATENTS

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- Efficient, ultra low power instrumentation amplifier based on carbon nanotube field effect transistors (Indian Patent published-Application Reference 202311063419) 13/10/2023

## PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

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- PV Module Reconfiguration Approach using SM for Power Loss Reduction under Detrimental Shadowing Conditions in 2022 3<sup>rd</sup> International Conference for Emerging Technology(INCET) Belgaum, India. May 27-29, 2022. |978-1-6654-9499-/22/\$31.00©2022IEEE|DOI:10.1109/INCET 4531.2022.9823969.

## PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

---

- Study of Industrial Crane Automation & Monitoring Based on PLC & SCADA in International Journal of Electrical and Electronics Research. ISSN: 2348-6988(online), Vol :3, Issue: 3, Year: 2015, Manuscript ID: 069072015A
- Stability Analysis of a Linear System Having Different Types of Non-linearities by Phase Plane Technique using Matlab, in International Journal of Technical and Research Application(IJTRA), Vol.1, Issue 4 Siddiqui Ambreen, Yasmeen Fatima, 2013.
- Performance Evaluation of PFC Boost Converters in International Journal of Innovative Research in Electrical, Electronics, Instrumentation, and Control Engineering, Vol.3, Issue 11, November 2015
- Data-Driven Approach for R-Peak Detection in Electrocardiogram (ECG)Signal in International Journal of Electrical & Electronics Engineering (IJAEED), ISSN(Print): 2278-8948, Vol-4, Issue-4, 2015

- Stability Analysis of a Non-Linear System by Phase Plane Technique using Matlab, in National Conference on Emerging Trends in Mechanical and Electrical Engineering (NCETMEE-12) Siddiqui Ambreen, Yasmeen Fatima,2012.
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