

Name of Faculty Dr. AHMAD SYED
 Designation Assistant Professor
 Nature of Job/Appointment Contract, End Date of Contract:30-04-2022
 Date of Joining 27- 07-2019



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Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (EEE)	Awarded
PG	M. Tech. (P&ID)	First class with Distinction
UG	B. Tech. (EEE)	First

Work Experience	
Teaching	3 Years
Research	05Years
Industry	--
Others	--

Area of Specialization Power Electronics

Professional Memberships Member, IAENG Number: 169729, Science and Engineering and Institute:20200804006

Responsibilities held at Institution Level ---

Responsibilities held at Department Level Worked as a Class Teacher for VI-SEM (EEE-D2) Students in 2020-21.

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Basic Electrical Engineering, Electrical Circuits and Analysis, Power Electronics, control Systems and Electrical distribution system, Wind and solar Energy Systems.

No. of Papers Published National Journals – International Journals – 05
 National Conference – International Conference – 03

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details --

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (**Attended**).

1. Participated in a one-day awareness workshop on "Intellectual Property Rights" at JNTUH campus on 26-07-2014.
2. Participated in a one-day workshop on "Power System Deregulation- Recent Trends" organized by Department of Electrical and Electronics Engineering, JNTUH College of Engineering, Hyderabad, Under TEQIP-II, 26-07-2014.
3. Participated in a Three-Day workshop on "Computer Applications to Power Systems Using MI-POWER" Organized by Department of Electrical and Electronics Engineering, JNTUH College of Engineering, Hyderabad, Under TEQIP-II, 18-03-2015 to 20-03-2015.
4. Participated in a three-day workshop on "Solar PV Certificate training programme" conducted by Ecoglaze consultant pvt Limited Hyderabad from 21-01-2015 to 23-01-2015.
5. Participated in one-day workshop on "Issues of solar PV integration into the grid: Experience from a practitioner's viewpoint" Persatuan AlumnivUM (PAUM) Clubhouse, Malaysia on 16th November 2016.
6. Participated in one-day workshop on "Machine learning by using MATLAB" in SIET2019 conference at Asia pacific

university of technology & Innovation (APU) kuala lumpur, Malaysia on 24-25th September 2019.

7. Participated in one-day workshop on “Electromagnetic and thermal simulation of PMSM (IPM) motor” at Altair Webinar (ANZ ASEAN India),07-05-2020.
8. Participated in a one-day workshop on “simulation driven innovationfor e-mobility” at Altair Webinar (ANZ ASEAN India),27-05-2020.
9. Participated in a three “How to draft effective scientific publications, patents and patent filling” organized by Department of Electrical and Electronics Engineering, Research and Development Cell, In Association with IET & ISTE Chapter, BIET from 02.07.2020 to 04.07.2020.
10. A three-Day Faculty Development Program on “Real time hardware in-the-loop simulationfor power electronics and power systems”, at Anurag university,Hyderabad, during 27-05-2020 to 29-05-2020.
11. A One Week Faculty Development Program on “Outcome Based Education and NBA Accreditation Process-(UG)”, at CBIT(A), Hyderabad during 28-05-2020 to 01-06-2020.
12. A Five-Day Faculty Development Program on “Recent Trends In Electrical Engineering”, at Vishnu Institute of Technology, Bhimavaram, during 08-06-2020 to 12-06-2020.
13. A Five-day Faculty Development Program on “Recent Innovations and Technologies in Electric Vehicles”, at GATES Institute of Technology, Anantaapuramu, during 08-06-2020 to 12-06-2020.
14. A One Day national level Faculty Development Program on Simulation of Power electronic converters through python”, at RGM CET,Kurnool, during 11-06-2020.
15. A One Week Faculty Development Program on “Advance research methodology and innovative teaching Padagogy”, at Tulasiranjigaikwadpatilcollegeof engineering and technology, Nagpur, during 08-06-2020 to 13-06-2020.
16. A One Week Faculty Development Program on “Design of Solar PV System Using PVsyst Software”, at Vaagdevi College of Engineering, Hyderabad, Warangalduring 09-06-2020 to 13-06-2020.
17. A three-Day Faculty Development Program on “Emerging research opportunities in electrical engineering”, at JBIET,Hyderabad, during 11-06-2020 to 13-06-2020.
18. A Five-day Faculty Development Program on “Electrical vehicles”, at VJIT,Hyderabad, during 11-06-2020 to 15-06-2020
19. A One Week Faculty Development Program on “Recent Strategies on Micro- and Smart-Grid Technologies (RSMST-2020)”, at GMRIT, Hyderabad during 15-06-2020 to 19-06-2020.
20. A One Week Faculty Development Program on “Challenges & opportunities in electrical engineering”, at BIET,Hyderabad, during 15-06-2020 to 20-06-2020
21. A One Week Faculty Development Program on “Industrial Relevance of electrical engineering”, at BVRITH, Hyderabad, during 15-06-2020 to 20-06-2020
22. A Seven Day Faculty Development Program and online training on “OpenModelica and OpenIPSL”, at V.K.R, V.N.B & A.G.K College of Engineering, Gudivada, during 17-06-2020 to 23-06-2020.
23. A three-Day Faculty Development Program on “Recent developments in electrical and electronics engineering”, at PVKK Institute of technology, Anantapuramu, during 19-06-2020 to 21-06-2020
24. A Five-Day Faculty Development Program on “Artificial Intelligence”, at SIR C.R REDDY college of engineering, Hyderabad during 22-05-2020 to 25-06-2020.
25. A One Week Faculty Development Program on “Harnessing solar energy for reducing carbon footprint”, at Sri shankaracharya technical campus,Bhilai, during 16-06-2020 to 20-06-2020.
26. A One Week Faculty Development Program on “Recent Advances in Electrical Engineering”, at Bharat institute of engineering and technology, Hyderabad, during 22-06-2020 to 27-06-2020.
27. A One Week International FDP on “Control Theory and Applications” from 29-06-2020 to 03-07-2020 organized by

- Vignan Institute of Technology & Science in Association with Telangana Academy for Skill and Knowledge (TASK).
28. Participated in STTP on “LaTeX101x: LaTeX for Students, Engineers, and Scientists” IIT Bombay X, Bombay, during 24-09-2019 to 02-12-2019.
 29. Participated in ‘eSim” training organized at Sreyas Institute of Engineering & Technology, Hyderabad in January 2020 semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.
 30. A One-day technical seminar on “Testing devices for susceptibility to power line disturbances, at CHROMA systems solutions on 04-06-2020.
 31. A One-day technical seminar on “Decreasing risk of electrical shorts in lithium ion battery cells, at CHROMA systems solutions, 11-06-2020.
 32. A One-day technical seminar on “Electrical safety testing 101, at CHROMA systems solutions on 14-06-2020.
 33. A One-day technical seminar on “LCR meters: selecting precision equipment for low, mid, and high frequency impedance measurements, at CHROMA systems solutions on 18-06-2020.
 34. A One-day technical seminar on “how to achieve accurate power measurements, at CHROMA systems solutions on 21-06-2020.
 35. A One-day technical seminar on “testing PV inverters and solar energy devices, at CHROMA systems solutions on 30-06-2020.
 36. A One-day technical seminar on “Implementation on National Educational Policy-2020 at JNTUH college of engineering Jagtial in collaboration with AICTE & ISTE on 31-03-2021.

Details of Journal Publications/
Conferences (National and
International)

International Journal

1. Ahmad Syed, S.Tara Kalyani and Freddy Tan Kheng Suan “A High-efficiency Neutral-Point-Clamped Transformerless MOSFET Inverter For Photovoltaic Applications ” IET Power Electronics. ISSN 1755-4543, vol 11, issue 2 and Feb 2018, pp.246-252.
2. Ahmad Syed and S.Tara Kalyani ”A novel single phase Multilevel Transformerless PV inverter for reduced common mode current” Materials today Proceedings Elsevier, Volume 5, Issue 1, Part 1, 2018, Pages 524-530 (Elsevier).
3. Ahmad Syed, S. Tara Kalyani and Freddy Tan Kheng Suan “An Improved MOSFET Neutral-point clamped full-bridge Transformerless Inverter for high efficiency distributed Photovoltaic system ” International Journal of Advanced Science and Technology Vol. 29, No. 01, (2020), pp. 153 – 167.
4. Ahmad Syed and S.Tara Kalyani “HBZVR-Type Single-Phase Transformerless PV grid connected Inverter with Constant Common-mode voltage” International Journal of Electronics Engineering Research. ISSN 0975-6450 Volume 9, Number 6 (2017) pp. 791-808 Research India Publications.
5. Ahmad Syed and S.Tara Kalyani “Evaluation of single phase transformerless photovoltaic inverters” Electrical and Electronics Engineering: An International Journal (ELELIJ), ISSN:2200-5846, Vol4, No2, and May 2015, pp.25-39.

International /National Conferences

1. Ahmad Syed and S.Tara Kalyani ”Neutral Point Clamped Full bridge Topology for Transformerless PV Inverters with improved clamping branch” in Proc. IET CEAT, Nov. 2016, Kuala Lumpur, Malaysia DOI: 10.1049/cp.2016.1315.
2. Ahmad Syed and S.Tara Kalyani ”Three-Phase Eight Switch Inverter with Reduced Common mode voltage for Transformerless Photovoltaic Systems” in proc of IEEE March 2016 pp.2840-2844.
3. Ahmad Syed, S.Tara Kalyani and Freddy Tan Kheng Suan, Xiaoqiang Guo, Huai wang “A Modified H-Bridge Transformerless Photovoltaic Neutral-point-clamped inverter with constant common mode voltage” 2020 International Conference on Power, Instrumentation, Control and Computing (PICCC), IEEE, March 2021 [10.1109/PICCC51425.2020.9362424](https://doi.org/10.1109/PICCC51425.2020.9362424).