



## Department of Freshman Engineering

### Faculty Profile

**Name** : Dr. M NARENDAR REDDY

**Designation** : Assistant Professor

**Qualification** : B.Tech, M.Tech, Ph.D.

**Total Experience** : 20 years

**JNTUH ID** :1630-150418-120928

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### **Publications:**

1. A Paper Titled “off-board electric vehicle battery charger using fuel cell and PV Arrayrol system” Published in International Journal of Engineering Associates (ISSN: 0866-9367) Volume XV Issue 1© 2023 IJAEMA
2. Paper Published in SCOPUS Journals (Turkish Journal of Computer and Mathematical E Education) on Analysis of 12-Level Cyclo converter to minimize THD Level in Three-Phase Induction Motor. (DOI: <https://doi.org/10.17762/turcomat.v12i2.1353>)
3. Paper Published in SCOPUS Journals (Turkish Journal of Physiotherapy and Rehabilitation) on A Review of 12-Level Cyclo converter to minimize THD Level in Three-Phase Induction Motor. (ISSN 2651-4451 | e-ISSN 2651-446X)
4. Published one International journal “Simulation of voltage flicker mitigation by electric spring in wind generations”. (Volume-2, Issue-2, February-2019 [www.ijresm.com](http://www.ijresm.com) | ISSN (Online): 2581-5792)
5. A Paper Titled “Stand-Alone wind energy conversion system with maximum power point tracking control system” Published in International Journal of Engineering

Associates (ISSN: 2320-0804) # 92 / Volume 5 Issue 6© 2016 IJEa.

6. A Paper Titled “Simulation of bi- directional AC/DC converter for Hybrid Power System in Electric Ship application” Published in International Journal of Engineering Associates (ISSN: 2320-0804) # 85 / Volume 5 Issue 6 © 2016 IJEa.
7. A Paper Titled “Grid connected high efficient and reliable single phase transformer less inverter for PV systems” Published in International Journal of Engineering Associates (ISSN: 2320-0804) # 78 / Volume 5 Issue 6 © 2016 IJEa
8. A Paper Titled “Design of Cascaded Current-Voltage Controller to Improve Power Quality for Solar Input” Published in International Journal of Engineering Associates (ISSN: 2320-0804) # 109 / Volume 4 Issue 11 © 2015 IJEa.
9. A Paper Titled “Harmonics Elimination in a Grid-Connected Single- Phase PV System” Published in International Journal of Engineering Associates (ISSN: 2320-0804) # 119 / Volume 4 Issue 11© 2015 IJEa.
10. A Paper Titled “PV panel based Half Bridge Three level DC/DC Converter using Capacitor Voltage Control Strategy” published in “IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)” Ref: ISSN: 2320-3331, Volume 9, Issue Jan 2014.
11. A Paper Titled “Implementation of a Novel Bidirectional DC-DC Converter” Published in “International Journal of Emerging Technology and AdvancedEngineering” Ref: ISSN: 2250-2459, Volume 3, Issue 12, and December 2013.
12. A Paper Titled “**Transient Stability Enhancement of power system with ANN controlled SVC & Fuzzy logic controlled superconducting magnetic Energy storage**” published in “International Journal of Advances in Computer, Electrical and Electronics Engineering” Ref: ISSN: 2248-9584, Volume 3, Issue1, October 2013.
13. A Paper Titled “Economic Load Dispatch of Thermal and PV system with battery Storage” published in “International Journal of Engineering Science Invention” Ref: ISSN 2250-2459, Volume 3, Issue 12, and December 2013.

## **Presentations in International Conferences:**

- 1.Attended International conference on Recent Trends in Engineering, Management, Science and Humanities (ICRTEMSH-2019) On “**Power Quality**

### **Analysis of Three Phase Cyclo Converter Under Variable Operating Condition”.**

Organized by IJAMSR Research Foundation.

2. Attended 7<sup>th</sup> International conference on **“Transformation in Engineering Education” (ICTIEE-2020)** at Anurag University, 5<sup>th</sup> to 7<sup>th</sup>, January, 2020.

3. Attended 6<sup>th</sup> International conference on **“Transformation in Engineering Education” (ICTIEE-2019)** at Malla Reddy Engineering College, 7<sup>th</sup> to 8<sup>th</sup>, January, 2019.

4. Participated a paper in the one-day seminar on **“Computer Ethics and Impact of Social Media on Human Society”** held on 12<sup>th</sup> June 2019 at the Institute of Engineers, Khairatabad. Hyderabad.

5. Presented and participated a paper titled **“Wind Energy Power Quality Control Using PID Controller”** at national conference RTPSD-2013 organized by CBIT, Hyderabad.

### **Participation in Workshops / Conferences:**

- Attended a Five day International Workshop on “Power Electronics and its applications using OPAL-RT “ organized by OP Jindal University, Raigarh, from 20<sup>th</sup> and 24<sup>th</sup>, January, 2023.
  - Attended a National level workshop on **“NBA-Outcome Based Education & SAR filling** “sponsored by TEQIP-III, from 24<sup>th</sup> and 25<sup>th</sup>, May, 2019 organized by JNTUH.
  - Attended workshop on **“Real Time Power Quality Assessment & Energy Audit”** on 5<sup>th</sup> January 2019 organized by Bharath Institute of Engineering and Technology
  - Attended A Two-day workshop on **“Real Time Simulations of Electrical Systems”** (under TEQIP-III) on 17<sup>th</sup> and 18<sup>th</sup> Aug. 2018.
  - Attended A short term training Programmed on **“ Pedagogical Training”** (Module-I)

organized by NITTTR, CHANDIGHAR from 16<sup>th</sup> to 20<sup>th</sup>, December.2013 under TEQIP.

- Attended a workshop on “**Technical quality improvement Programmer**” conducted by SPFU at Osmania University Hyderabad. (TEQIP) from Feb 16<sup>th</sup> -17<sup>th</sup>, 2012.

### **Faculty development programs attended:**

- Attended a One Week FDP on “ Energy Harvesting Technologyies” organized by Geetanjali College Of Engineering & Technology, Keesara. from 27<sup>th</sup> Feb.2023 to 4<sup>th</sup>, March, 2023.
- Attended a one week FDP on “**REALISM IN CLASS ROOM**” by TASK at Sphoorthy Engineering College.
- Attended a one week FDP on “**OUTCOME BASED EDUCATION**” at Sphoorthy Engineering College from 18.06.2018 to 23.06.2018