

# Mrs. S.Sudharani

## Assistant Professor



**Education Qualifications:** M.Tech (Electrical and Electronics Engineering)  
**Specialization:** Power Engineering

### ADDRESS:

- E- Block -Room No : 605

### JNTUH ID:

90150406-152651

### EMAIL:

ssudharani\_eee@mgit.ac.in

### DATE OF JOINING:

25-08-2018

### EXPERIENCE – 17 Years

- Teaching - 17

### SUMMARY:

- Publications - 5
- Conferences-2
- Honors/Awards -1

### EVENTS:

- Organized - 01
- Attended - 36

### Membership of Professional Bodies:

- Life Member of Indian Society for Technical Education
- Life Member of Indian Red Cross Society

### Responsibilities Held at Institution Level:

- Member of Canteen Monitoring Committee
- Virtual Lab Coordinator
- Faculty Coordinator for Women Welfare Cell

### Responsibilities Held at Department Level:

- Class In charge
- Lab In charge
- Mentoring and Monitoring Duties

### Honors/Awards Received:

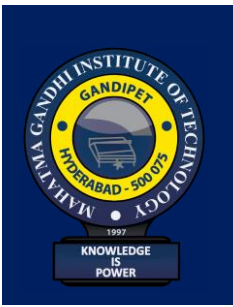
- “Women Researcher Award” organized by IJIEMR-ELSEVIER SSRN research awards 2021 held on 08<sup>th</sup> Aug, 2021 at Vijayawada.

### Courses Handled at Under Graduate /Post Graduate Level:

- UG:** Electrical Circuits, Electro Magnetic Fields, Control Systems, Power Electronics, Power Semi Conductor Drives ,Electrical Distribution Systems, Basic Electrical Engineering.
- PG:** Electrical Drives

### Publications:

- “Bi-directional converter for fly wheel energy storage application”, published in International Journal for Innovative Engineering and Management Research, Volume 10, Issue 08, Pages: 109-114, Aug 2021,ISSN 2456 – 5083 by S.Sudharani.
- “Enhancement of power quality of grid connected wind energy system using statcom”,published in Journal of Huazhong University of Science and Technology,vol 50,issue 07,Issn 1671-4512,july 2021,HST-0721-270 by M.Nalini Devi<sup>1</sup> and S.Sudharani<sup>2</sup>.
- “Design of a stand alone PV system using DC-DC cuk converter topology”, published in Journal of Huazhong University of Science and Technology, vol 50,issue 06,Issn 1671-4512,june 2021,HST- 0621-532 by M.Nalini Devi<sup>1</sup> , S.Sudharani<sup>2</sup>.
- “An efficient approach in controlling power generation in wind energy conversion systems” published in Journal of Resource Management and Technology, Vol 12, Issue I, March 2021, Page No:323-335,ISSN 0745-6999 by M.Nalini Devi<sup>1</sup> , S.Sudharani<sup>2</sup>.
- “An efficient DVR system for improvement of power quality ”, published in International journal of analytical and experimental modal analysis, Volume XIII, Issue II, February 2021, Page No:1894 to 1902 by S.Sudha Rani<sup>1</sup>, M.Nalini Devi<sup>2</sup>.
- “Simulation of Wind Turbine Driven DFIG Using AC-DC-AC Converter”, published in International Journal of Advances in Engineering and

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Management (IJAEM) Volume-2, Issue-1, Page No.279-284, June-2020 by M.Nalini Devi<sup>1</sup>, S.Sudharani<sup>2</sup>.

7. “Open Loop Volts/Hertz Speed Control of Induction Motor with Voltage Fed Inverter”, published in International Research Journal of Engineering and Technology (IRJET), Volume- 7, Issue- 6, Page No.4497-4502, June-2020 by M.Nalini Devi<sup>1</sup>, S.Sudharani<sup>2</sup>.
8. “A Review On Mitigation Of Voltage Power Quality Problems By The Dynamic Voltage Restorer”, published in Aegaeum Journal, Volume-8, Issue- 6, Page No.1018-1022, June-2020 by S.Sudha Rani<sup>1</sup>, M.Nalini Devi<sup>2</sup>.
9. “Spotting of Distribution Voltage Quality Annoyance in Distribution System”, published in International Journal of Advanced Science and Technology, Volume-8, Issue- 6, Page No.361-365, November, 2019 by S.Sudha Rani<sup>1</sup>, Dr. D.Godwin Immaneul<sup>2</sup>.

**Conferences:**

1. “Mitigation Of Voltage Sag In Distribution Networks Using Dynamic Voltage Restorer” held at Department of EEE, MGIT, Hyderabad, ISBN:978-93-88808-57-6 on 28.02.2020 & 29.02.2020.
2. “Induction motor drive fed with an interated DVR for Power quality improvement” held at Vidya Jyothi Institute of Technology, NCECAEE-2019, ISBN 978-93-84893-19-4 on 02.05.2019 & 03.05.2019

**Events Organized:**

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. Organised online webinar “ Power System Scenario” on 29.07.2020 at MGIT, Hyderabad.

**Events Attended:**

FDPs/STTPs:

1. FDPs-12
2. STTP-10

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Refresher Course-05
2. Workshop- 05
3. Webinar-04
4. Guest Lecture-02

**Online Certifications:**

1. Learn to design your own Solar home system, Energy swaraj Foundation, Energy Literacy, 31th July 2020.