

Name: O.SOBHANA

Designation: Assistant Professor

Department: EEE

Mail I'd: sobhana\_o@vnrvjiet.in

Experience (in years): 6 Teaching: 6 Research: Nil Others(if any, specify): Nil



### 1. Educational / Technical qualifications:

| S.No | Level (UG / PG / Ph.D) | Year of passing | Specialization    |
|------|------------------------|-----------------|-------------------|
| 1    | J.N.T.U.H, AP (UG)     | 2003            | EEE               |
| 2    | J.N.T.U.C.E.H (PG)     | 2012            | PE &ID            |
| 3    | J.N.T.U.A (Ph.D)       | Pursuing        | High Voltage area |

### 2. Teaching and Learning:

2.1. Teaching Interests: Power Quality, Electrical Machines, Circuit Theory, Basic Electrical Engineering, PEE, Power Systems.

2.2. Novel Teaching & Learning Techniques adopted: POGIL, WIT & WILL

2.3. Involvement in curriculum updating / Design:

### 3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Playing and Watching Sports

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: Class in-charge

3.5. Committees involved in: Nil

Department level: Nil

Institute Level: Nil

### 4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted: Nil

4.2 Attended: conferences-3

Workshop- 3

### 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG: Design of Single Phase Microcontroller Based SPWM Inverter

b) PG: V/F Control of induction motor using space vector modulation with Dc

Braking

Chopper

5.5. Research Interests: High voltage, Transformers faults & Protection, Renewable Energy Sources

5.6. Ph.D students:

- a) Enrolled: Nil
- b) Submitted: Nil
- c) Awarded: Nil

5.7. Papers published in reviewed journals:

| S.No | Title of the Paper   | Journal Name<br>Vol.No. PP | ISBN/ISSN<br>No. | Impact Factor/<br>Citation Index | National/<br>International |
|------|--|----------------------------|------------------|----------------------------------|----------------------------|
| 1    | V/F Control of induction motor using space vector modulation with Dc Braking Chopper | IJAREEIE                   | 2278-8875        | 5.621                            | International              |

5.8. Papers presented at National / International Journals:

| S.No | Title of the Paper  | Names of the<br>Conference/<br>Seminars | National/<br>International | Period   |
|------|---|---|----------------------------|--|
| 1    | A Review Paper on Power Transformer Short circuit Fault Diagnosis   | Conference                              | National                   | 26 <sup>th</sup> ,27 <sup>th</sup><br>Aug,2016 |
| 2    | Core Loss Measurement of a 3-Phase Transformer Using Maxwell 3-D    | Conference                              | National                   | 3 <sup>rd</sup> ,4 <sup>th</sup><br>Feb,2017   |
| 3    | Safety Based High Step up DC-DC Converter for PV Module Application | Conference                              | National                   | 24th<br>March,2017                             |

5.9. Sponsored research Projects:

| S.No | Title | Agency | Period | Grant amount | Ongoing / Completed |
|------|-------|--------|--------|--------------|---------------------|
|      | Nil   |        |        |              |                     |

5.10 Consultancy Projects:

| S.No | Title | Agency | Period | Sanctioned Amount | Ongoing / Completed |
|------|-------|--------|--------|-------------------|---------------------|
|      | Nil   |        |        |                   |                     |

6. Awards / Honors received: Nil

7. Motto: Hard work, Believe in your self