

Name: Doddapaneni.Swetha

Designation: Assistant Professor

Department: EIE

Mail Id: swetha_d@vnrvjiet.in



Experience (in years): Teaching: 7 years Research: Others (if any, specify):

1. Educational / Technical qualifications:

| S.No | Level (UG / PG / Ph.D) | Year of passing | Specialization |
|------|------------------------|-----------------|----------------------------|
| 1. | B.Tech | 2012 | EIE |
| 2. | M.Tech | 2015 | Electronic Instrumentation |
| 3. | Ph.D(pursuing) | | Nano sensors |

2 Teaching and Learning:

2.1 Teaching Interests: Industrial Instrumentation, Bio-Medical Instrumentation, Instrumentation Practices in Industries, Analytical Instrumentation, Switching Theory and logic Design, Principles and Applications of Nanotechnology & Embedded systems.

2.2 Novel Teaching & Learning Techniques adopted: Learning and Teaching through you tube videos, POGIL & MOOC's.

2.3 Involvement in curriculum updating / Design: NIL

3 Co-curricular and Extra-Curricular Activities

3.1. Professional Society Memberships:- ISOI life membership

3.2: Interests and Hobbies: Playing Indoor games and Reading Books

3.3.CCA/ECA Organized: Involved in organizing women's day celebrations

3.4.CCA/ECA participated: World yoga day celebrations at VNRVJIET, Carroms.

3.5 Counselling and Mentoring Activity: Involved in mentoring twenty students every semester from the past 7 years

3.6 Committees involved in:

Department level: NBA Institute Level: NAAC

4 Conference / Workshop / Seminar / Guest Lectures :

4.1. Conducted: Organised three Guest Lectures to II & III year students.

4.2. Attended:

- Attended three day workshop on "Design and Applications of Nano Materials for Sensors" organised by Department of EIE, VNRVJIET during 10th-12th November 2016.
- Attended a workshop on "Sensor Networks and Internet of Things" at VNRVJIET during 27th November – 2nd December 2016.
- Attended a one month Induction training program organized by PMMMMNTT ministry of Human resource development, IIT Bombay during 28th November- 20th december 2017.
- Completed an NPTEL course on Introduction to Internet of Things during September – November 2019.
- Attended a one Week FDP on "Robotics & AI" organized by NIT Warangal & VNRVJIET during 24th – 28th June 2019.

- Attended a three day workshop on “Effective Utilization of Digital Platforms for Teaching and Learning Process” organised by Department of EIE, VNRVJIET during 1st – 3rd May 2020.
- Completed an NPTEL course on Introduction to Research during September – November 2020.
- Attended a one Week FDP on “Data Science for Engineers” organized by Department of CSE(Data Science, Cyber Security and Artificial Intelligence & Data Science), VNRVJIET during 23rd to 28th January, 2023.
- Attended an FDP on “Recent Trends in Cognitive Science & its Applications” organized by Department of CSE, VNRVJIET during 13-18th march 2023.
- Attended an FDP on “Artificial Intelligence in Biomedical Signal Processing” organized by NIT Warangal during 6th – 13th February 2023.

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:

5.4. Projects Guided:

a) UG: 10 Project b) PG: NIL

5.5. Research Interests: Nanotechnology , Bio-Medical Instrumentation

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 Vol.No. PP | ISBN/IS SN No. | Impact Factor/ Citation Index | National/ International |
|------|---|---|--|--|----------------------------|
| 1. | Classification of Diabetic maculopathy from Retinal images | International Journal of Engineering & Technology, Vol 7 (2018) 254-258 | ISSN:22 27-524X | 4.22 | International |
| 2. | Non-Invasive Measurement of Stress Levels in Knee Implants | IJAER, Vol-14, Number 1 (2019) PP:308-312 Jan-19 | ISSN-0973-4562 | | International |
| 3. | Enhanced Magnetic properties of Fe ³⁺ doped ZnS nanocrystals via low temperature co-precipitation: spintronic and nano-device applications | Physica Scripta | Volume 95 (2020) 05 802 (11pp) number 10 | 1.9 | International |

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|----|--|--|------------------|------|---------------|
| 4. | Polymeric nanoformulation of a non-systemic Dithiocarbamate pesticides: Preparation, characterization and Bioassay | RJC-Rasayan Journal of Chemistry, Vol-15, No-3, 2022 | ISSN: 0974-1496, | 1.23 | International |
|----|--|--|------------------|------|---------------|

5.8. Papers presented at National / International Conference:

| S.No | Title of the Paper | Names of the Conference/ Seminars | National/ International | Period |
|------|--|--|-------------------------|--------|
| 1 | Classification Of Diabetic Maculopathy from Retinal Images | International Conference on Innovations in Electrical, Electronics, Power, Smart Grids & Advanced Computing Technologies | International | 2 days |
| 2 | Analysis of Retinal Blood Vessel Segmentation in different types of Diabetic Retinopathy | 4th International Conference on Recent Challenges in Engineering and Technology (ICRCET-18) | International | 2 days |

5.9. Sponsored research Projects:

| S.No | Title | Agency | Period | Grant amount | Ongoing / Completed |
|------|-------|--------|--------|--------------|---------------------|
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5.10 Consultancy Projects:

| S.No | Title | Agency | Period | Sanctioned Amount | Ongoing / Completed |
|------|-------|--------|--------|-------------------|---------------------|
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6 Awards / Honors received: NIL

7 Motto:

To deliver best of the knowledge and indulge in research activities