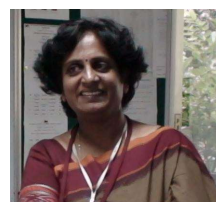


Name : Dr.JAYASHREE TATINENI
Designation : Professor & Head; Mathematics
Department : Humanities and Sciences
Mail.I.D : jayashree_t@vnrvjiет.in



Experience (in years): Teaching: 32 **Research:** 8 **Others (If any, Specify):**

- Head, Dept of H&S., VNR VJИET, 2011 –till date
- Assoc. Professor, H & S Dept., VNR VJИET, 2006 -2011
- Reader, Department of Mathematics, Sri Venkateswara College, University of Delhi, Delhi since Dec1985
- Lecturer, Department of Mathematics, Daulat Ram College, University of Delhi, Aug TO Dec.
- Visiting Reader for PG courses, Department of Mathematics, South Campus, University of Delhi
- Counselor, IGNOU for its various programmes.

1. Educational/ Technical Qualifications

| S.No | Level (UG / PG / Ph.D) | Year of passing | Specialization |
|------|---|-----------------|---------------------------|
| 1. | Ph.D. | 2002 | Automated Reasoning |
| 2. | M.Phil. | 1987 | Mathematics (C* Algebras) |
| 3. | M.Sc. | 1984 | Mathematics |
| 4. | B.Sc. | 1982 | Mathematics |
| 5. | +2, CBSE Board | 1979 | |
| 6. | 10 th , Secondary School Examination | 1977 | |

2. Teaching and Learning:

2.1 Teaching Interests:

- Probability & Statistics
- Propositional Logic
- Math for Machine Learning and Artificial Intelligence

2.2. Novel Teaching & Learning Techniques adopted: Blended Learning techniques – Screencast, Plickers, Flipped class room, Think-Pair-Share, etc.

2.3. Involvement in curriculum updating / Design:

As Board of Studies chairperson – involved in designing Mathematics and Statistics papers relevant to engineering disciplines

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Working in social organizations.

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated:

- Working as mentoring coordinator as part of the integrated MTP program to assist in grooming the students.
- Organized many introductory programs in Mentoring and Induction for the staff as well as students

3.4. Counseling and Mentoring Activity: Coordinating Mentoring programs at VNR VJИET as part of MTP

3.5. Committees involved in:

Department level: BOS

Institute Level:

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted: Workshop on “Outcome Based Teaching- Learning, Evaluation and Assessment Strategies” from 25 June to 27th June, 2019

4.2 Attended:

- Training programme at DRDO in Computer Programming and Computer Graphics.
- Refresher course in many areas of Mathematics and Computer Science during 1987 to 1997
- Conducted a workshop, Computational Methods and Mathematical modeling for Scientists and Engineers, CMMSE at VNR VJIET in December, 2009
- Incremental Prime Implicant Generation of Nested Propositional Formulae, MATEIT, Deendayal Upadaya College, New Delhi.
- Attended the International Conference on Engineering & Applied Sciences held at Singapore from 15th to 17th August, 2014.
- Presented a paper at National Conference, MATEIT, Delhi.
- Data Analytics Using R by NITW from 6th -10th May, 2018

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Delivered a guest Lecture on “ Active Learning Methods “at Bhavan’s Degree College, Sainikpuri, Secunderabad, Telangana

5.2. Articles/Chapters published in Books:

5.3. Books published as single author or as editor:

5.4. Projects Guided:

a) UG: 5

b) PG:

5.5. Research Interests:

- Pattern Recognition
- Feature Extraction,
- Automated Reasoning.
- Education Technology
- Math in Machine Learning and AI

5.6. Ph.D students: Presently guiding a Ph.D. student in the topic, Pattern Recognition.

a) Enrolled:

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed Journals:

| S.No | Title of the Paper | Journal Name Vol.No. PP | ISBN/ISSN No. | Impact Factor/ Citation Index | National/ International |
|------|--------------------|----------------------------|------------------|----------------------------------|----------------------------|
| 1. | | | | | |

5.8. Papers presented at National / International Journals:

| S.No | Title of the Paper | Names of the Conference/Seminars | National/ International | ISBN/ISSN No. | Period |
|------|---|--|----------------------------|-------------------|--|
| 1 | A Novel Approach to Teaching of Mathematics for Application & Innovation in Engineering | International Scientific Conference of Engg. & Applied Sciences | International | 978-986-89844-9-3 | 15 th to 17 th Aug, 2014 |
| 2 | Visualize to Realize through Career Vision Approach | National Conference on Student Driven research for Inspired Learning in Science & technology | National | | October 16-17, 2015 |
| 3 | Usefulness and Practicality of Online Moodle quizzes to enhance the learning process for Foundation | Moodle Moot India | International | | December, 2018 |

| | | | | | |
|----|--|--|----------|-----------|---------------|
| | Mathematics courses in Engineering | | | | |
| 4. | "Improving Learning in First Year Mathematics courses in Engineering Education using Learning Analytics" | Machine Learning and Artificial Intelligence | National | 0972-8031 | 1-3 Feb, 2020 |

5.9. Sponsored research Projects:

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

5.10 Consultancy Projects:

- Submitted a project proposal to DST-NSTMIS for funding.

Title of Project: A strategic design for quality improvement of teaching faculty in private engineering Institutes.

Preliminary Investigation in progress

- Submitting a proposal to MHRD under PMMMNMTT for establishing a Teaching Learning Centre at VNRVJIE

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

6. Awards / Honors received:

7. Motto:

- Purpose of life- Happiness
- Obstacles will be there in the path – Accept it – climb over it or around it as long as you do not remain static and expect others to solve it for you.