Name Guddeti Padmavathi

Designation: Assistant Professor

Department: H&S

Mail.I.D: padmavathi_g@vnrvjiet.in

Experience (in years):15 Teaching: 6 Research: 9 Others (If any

1. **Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Degree (B.A)	1998	Mathematics, Statistics, Economics
2	M.Sc (Maths)	2000	Mathematics
3	M.Phil	2003	Mathematics
4	PhD	2014	Differential Equations, Neural Networks

2. **Teaching and Learning:**

    2.1. Teaching Interests: Engineering Mathematics, Probability & Statistics, Dynamical systems, Cryptology.

    2.2. Novel Teaching & Learning Techniques adopted : PPT, Learning by doing, TPS

    2.3. Involvement in curriculum updating / Design:

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

    3.1. Interests and Hobbies: Listening music, Drawing

    3.2. CCA/ECA Organized:

    3.3. CCA/ECA participated:

    3.4. Counseling and Mentoring Activity:

    3.5. Committees involved in:

        Department level: NAAC Coordinator, NBA Coordinator and mathematics BoS member

        Institute Level:

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

    4.1 Conducted:

    4.2 Attended: **AICTE Sponsored FDP conducted by IIT Bombay** from 14th July to 13th August, 2016 on ICT methods.

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

5.1. Invited Lectures:

5.2. Articles / Chapters published in Books:

5.3. Books published as single author or as editor:

5.4. Projects Guided:

       a) UG:

       b) PG:

5.5. Research Interests: Dynamical systems, Neural Networks, Cryptology

5.6. Ph.D students:

       a) Enrolled:

       b) Submitted:

       c) Awarded:

5.7. Papers published in reviewed Journals:6

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Global Dynamics of Bidirectional Associative Neural Networks with Hysteresis and varying time delays	International Journal on Systemics, Cybernetics and Informatics, Pentagram research Publications	ISSN 0973-4864	www.ijsci.org	International
2	Stability Analysis of Discrete-Time Bidirectional Associative Neural networks with Hysteresis'	International Journal of Artificial Intelligent Systems and Machine Learning, CIIT	Print: ISSN 0974 – 9667 & Online: ISSN 0974 – 9543	http://www.ciitresearch.org/aiml.html Impact Factor: 1.7	International
3	Input-Output Stability of Neural Network with Hysteresis	International Journal of Computer Information Systems and Industrial Management Applications,	**ISSN 2150-7988**	http://www.mirlabs.org/ijcisim	International

		MIRLABs			
4	Multi-Level Secret Sharing Scheme for Mobile Ad-Hoc Networks	International Journal on Advanced Networking and Applications	ISSN:0975-0282	http://www.ijana.in/papers/V6I2-8.pdf Impact factor: 3.462	International
5	Global exponential stability result for complex valued hysteretic Neuron Model	International Journal of Machine Intelligence and Sensory Signal Processing, Inderscience	ISSN online: 2048-917X ISSN print: 2048-9161	http://www.inderscience.com/storage/f512101694287311.pdf	International
6	Code based secret sharing schemes for MANET	Indian Journal of Science and Technology	Print ISSN : 0974-6846 Online ISSN : 0974-5645	http://www.indjst.org/index.php/indjst/article/view/92897/74435 Impact factor: 5.02	International

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	*Global Dynamics of Bidirectional Associative Neural Networks with Hysteresis'*	International Conference on Systemics, Cybernetics and Informatics, Hyderabad, India,	International (Proceedings published by Pentagram research center.)	15-18, February, 2012.
2	Exponential Stability of Hysteresis Neural Networks with Varying Inputs	12th International Conference on Intelligent Systems Design and	International	27-29 Nov. 2012,449-454 IEEE catalog

		applications, Kochi		number CFP12394-CDR
3	*Global Dynamics of Discrete-Time Hysteresis Neural Networks*	National Conference on Recent Trends in Computing, Nanded	National	7-8, April , 2012
4	*Periodicity in the growth of microbial populations in cultured environment*	International Conference on '*Nonlinear Systems: Modeling, Simulation and Applications*',Nanded	International	19-22, December, 2006.

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Modeling of Hysteresis in Artificial Neural Systems	DST-WOS-A	2012-15 Three years	Rs.11,28,000	**Completed**

5.10 Consultancy Projects:

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

- Secured University Gold Medal and cash prize at M.Sc Level.

- Secured first rank in JNT University Ph.D entrance test.

- Fellowship received from DST under WoS-A as a Principal Investigator.

- AICTE Sponsored FDP conducted by IIT Bombay from 14th July to 13th August, 2016 on ICT methods. Dr.G.Padmavathi, was one of the top performers with cash prize 5000/-.

7. **Motto:**

- My life motto is 'Do my best, so that I can't blame myself for anything.'

- Do what is right but not what is easy