Name   : Dr. NAGA VASUNDHARA DESAPANDYA
Designation: Assistant Professor
Department : CSE
Mail.ID   : vasundhara_d@vnrvjiet.in
AICTE Id:1- 464122915
DOB:31-07-1984

Experience (in years): Teaching: 16 yrs.   Research: 12   Others (if any, specify): NIL

1. Educational / Technical qualifications:

S. No	Level (UG / PG / Ph.D.)	Year of passing	Specialization
1	Ph.D.	2021	CSE
2	MTECH	2009	SE
3	BTECH	2005	CSE

2. Teaching and Learning:

2.1. Teaching Interests: Unified Modeling Language, C Language, Data structures, Digital Logic Design, Software Quality Assurance and Testing, Human Computer Interface, Data Base Management Systems, Operating Systems, Data Warehousing and Mining, Mathematical Foundations of Computer Science, Software Engineering.

2.2. Novel Teaching & Learning Techniques adopted: POGIL, Learning by Doing.

2.3. Involvement in curriculum updating / Design: Design and Updating of Course Objective and Course Outcomes of a Course.

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- To Work Hard and Follow Optimism towards work, for the benefit of self and Organization.
- Reading Research Oriented books to enhance the Knowledge.

3.2. CCA/ECA Organized: NA

3.3. CCA/ECA participated: NA

3.4. Counselling and Mentoring Activity:

    Involved in Counselling and mentoring the students of 2017,2018, 2019,2020,2021,2022,2023 admitted batches.

3.5. Committees involved in:

    Department level: NBA Coordinator, Faculty Ph.D. Guidance file, NAAC Criteria 2
                      Incharge, Organising Committee member of ICACECS 2020,
                       ICACECS 2021, CO-Chair ICACECS2022, Program Chair
                      ICACECS 2023.

Institute Level: Alumni Committee member, Annual Day Stage Management

Member, Nrithya Tarang Club Faculty Coordinator.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1. Conducted:

- A National Workshop on "Creativity for Teaching" during 27-28th Feb 2013.
- A 3 day workshop on "Emerging Trends in Social Media and Mobile Applications" from 13th Nov-2014 to 15th Nov-2014.
- A 3 day workshop on "Data Driven Project Driven" from 21st Jan-2016 to 23rd Jan-2016.
- One Week FDP on "Data Analytical Tools & Python Frameworks" from 11th May 2022 to 17th May 2022.

4.2. Attended:

- Attended one-week Online STTP on "Covid-19 Data Analysis with Deep Learning" organized by AICTE, New Delhi and Human Resource Development Centre, and Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad., India during 08th November 2021 to 15th November 2021.
- Attended 40 Hour Faculty Development Programme on "Predictive Analytics and Business Intelligence" organized by E&ICT, NIT Warangal and GNITS, Hyderabad, during 1st -10th December 20-21.
- Attended One Week Faculty Development Programme on "Recent Advancements in Machine Learning and Deep Learning" organized by Department of CSE in collaboration with VNR CSI SC, VNRVJIET, Hyderabad, during 26th – 30th April 2021.
- Attended AICTE-ISTE approved Orientation/Refresher Programme on "Intelligent Learning" organized by Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam, Andhra Pradesh, during 7th – 23rd February 2021.
- Attended AICTE Sponsored One Week Online Short-Term Training Programme (STTP) on "Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python (MLDLT 2020), Series-II: Insights into Machine Learning for solving Artificial Intelligence Problems using Python" organized by Department of Information Technology, VNRVJIET, Hyderabad., during 14th – 19th December 2020.
- Attended AICTE Sponsored One Week Online Short-Term Training Programme (STTP) on "Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python (MLDLT 2020), Series-I: Insights into Machine Learning for solving Artificial Intelligence Problems using Python" organized by Department of Information Technology, VNRVJIET, Hyderabad., during 16th – 21st November 2020.
- Attended ATAL Faculty Development Program on "Augmented Reality (AR)/ Virtual Reality (VR)" organized by Department of CSE, VNRVJIET, Hyderabad, during 7th – 11th September 2020.
- Completed a Certification Course (12 Weeks) on AI for Everyone-an online non-credit course authorized by deeplearning.ai and offered through Coursera on 14th July 2020.
- Attended Faculty Development Program on "Machine Learning for Computer Vision" organized by Electronics & ICT Academies, IIT Guwahati, IIT Roorkee, MNIT Jaipur, NIT Patna, NIT Warangal and PDPM IIITDM Jabalpur, during 29th June 2020 – 8th July 2020.

- Completed Project based Online Course on "Machine Learning using Python" (2 Months course) offered by Sky Labs during June 2020.
- Attended ATAL Faculty Development Program on "Data Science" organized by Department of CSE, JNTUCE, Pulivendula, during 26th – 30th May 2020.
- Attended 5-Day-National Level Online Faculty Development Program on "Artificial Intelligence" organized by Department of CSE & IT in association with NYCI & Brainovision Solutions India Pvt. Ltd, during 22nd- 26th May 2020
- Attended Faculty Development Programme on "Artificial Intelligence & Machine Learning and Its Application" organized by Department of ECE, NIT Patna and GNIOT, Greater Noida under Electronics and ICT Academy, NIT Patna, during 18th – 24th May, 2020.
- Attended Workshop on "Python for Data Science", organized by Bennett University, Greater Noida, a Leading India initiative during 13-May-2020 to 17-May-2020.
- Attended a webinar on "Research Workflows, Research Metrics and Excellence in Academic Institutes", co-organized by Elsevier and AICTE by on 12-May-2020.
- Attended Workshop on "Artificial Intelligence and Deep Learning", organized by Bennett University, Greater Noida, a Leading India initiative during 04-May-2020 to 08-May-2020.
- Attended 2 Days Instructor Led Live Online Workshop On "ML & AI Using Covid-19 Virus Data Analysis", Organized by Finland Labs (A Unit of Revert Technology Pvt. Ltd.) in association with National Social Summit (NSS) - IIT Roorkee, during 01-02 May 2020
- Attended One Day Workshop on "C and C++" held at VNR Vignana Jyothi Institute of Engineering & Technology, Ranga Reddy, Hyderabad, organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India on 29 February 2020.
- Attended FDP on "Natural Language Processing", organized by Electronics &ICT Academics, Nit Patna and VNRVJIET during 06-Jan-2020 to 10-Jan-2020.
- Attended FDP on "Mentoring Educators in Educational Technology" IIT Bombay X during 17-May-2018 to 02-Jul-2018.
- Attended FDP on "Block Chain Architecture design and Usecases" IIT online during 01-Aug-2018 to 27-Oct-2018.
- Attended Two-Day Weekend Training Programme on "Introduction to Machine Learning" IIT Kharagpur during 16th -17th Dec 2017.
- Attended National workshop on "Pedagogy for online and blended teaching - learning process" IIT Bombay-X during 14-09-2017 to 10-11-2017.
- Attended National workshop on "Foundation program in ICT for education" IIT Bombay-X during 3/8/17 to 20/9/17.
- A Faculty Development Program on "Machine Learning Recent Trends and Applications" from 21st Nov 2016 to 26th Nov 2016 conducted by GNITS, Hyderabad.
- A Faculty Development Program On "Data Warehouse and Business Intelligence" from 25th April 2016 to 05th March 2016 conducted by CBIT, Hyderabad.
- A workshop on "Big Data and Hadoop" from 27th Nov-2015 to 28th Nov-2015 at VNRVJIET, Hyderabad.
- A workshop on "Internet of Things" from 21st Aug-2015 to 23rd Aug-2015 at VCE, Hyderabad.

- Presented a paper in 4th National Conference on "Emerging &Innovative Trends in Computer Science titled" Advanced Image Classification Techniques for Spatial Images", conducted from April1-2,2015 by VCE, Hyderabad.
- A Faculty Development Program on Data Mining Tools and Research issues from 16th -17th May 2014 conducted by BVRIT, Narsapur, Hyderabad.
- A Staff Development Program on Cloud Computing and Security from 3rd -15th June 2013 VNRVJIET, Hyderabad.
- An International Conference on Data Sciences from 26th -28th Feb 2014 Conducted at VNRVJIET, Hyderabad.
- POGIL on Feb 16th 2013Conducted at VNRVJIET, Hyderabad.
- Art of Teaching workshop from 2-3 May 2013Conducted at VNRVJIET, Hyderabad
- A seminar on Research Methodology 4th May 2013 Conducted at VNRVJIET, Hyderabad
- A Seminar on Soft Computing On 14th Dec 2013 Conducted at VNRVJIET, Hyderabad.
- A short-term course on Women in Research Conducted by JNTU, Hyderabad.
- A short-term course on Geospatial Technologies Conducted by TCS, at Hyderabad.
- A short-term course on Rational Rose Software at VNRVJIET, Hyderabad.
- A 15 Day Staff Develop Program on Advanced Data Mining Techniques Conducted by VNRVJIET, Hyderabad.

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: 21

      b) PG: 5

5.5. Research Interests: Data Mining and Machine Learning

5.6. Ph.D. students:

      a) Enrolled: 01

      b) Submitted: NA

      c) Awarded: NA

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	Hybrid Classification Models using ANN and Fuzzy	CiiT Data Mining and Knowledge Engineering, Vol.7, No.8, PP:279-282	0974- 9578	0.621	International

	Support Vector Machines on Spatial Databases				
2	Rough Set Based SVM Technique for Spatial Image Classification	International Journal of Control Theory and Applications, Vol.9, No.44, PP:365-378	0974-5572	0.166	International
3	A Novel Approach for Data Recursive Schemes to Access the Data	International Journal of Scientific Engineering and Technology Research, Vol.5, Issue.35, PP:7271-7275	2319-8885	5.762	International
4	Accuracy Assessment of Rough Set based SVM Technique for Spatial Image Classification	International journal of Knowledge and Learning, Vol.12, No.3, PP:269 – 285	1741-1009	---	International
5	Comparative Analysis of Spatial Image Classification Techniques Using Rough sets	International Journal of Geoinformatics, Vol.14, No.4, PP:39-45	1686-6576	0.176	International
6	Implementation of Dynamic Keyword Query Suggestions on Geolocation using Document Proximity	International Journal of Computer Sciences and Engineering, Vol.6, Issue.7, PP:1338-1342	2347-2693	3.022	International
7	A Survey on Framework of Efficient keyword query suggestion on Geolocation using document proximity	International Journal of Research, Volume 05 Issue 12 PP:3492-3497	2348-6848	3.541	International
8	Sentiment Research on Twitter Data	International Journal of Recent Technology and Engineering, Volume-8, Issue-2S11, PP:1068-1070	2277-3878	---	International
9	Design, development and performance analysis of cognitive assisting aid with multi sensor fused	Journal of Big Data, Volume- 1,No.3,PP:143-154,April 2023.	2196-1115	10.835	International

	navigation for visually impaired people				
10	Robotic Process Automation - The Ineluctable Virtual Workforce in Various Business Sectors: Post Covid-19 Scenario	International Journal of Engineering Trends and Technology	2231-5381	0.72	International

5.8. Papers presented at National / International Conference:

S. No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Advanced Image Classification Techniques for Spatial Images	Emerging and Innovative Trends in Computer Science	National	April 1-2,2015
2	Rough-Set and Artificial Neural Networks based Image Classification	International Conference of Contemporary computing and Informatics	International	December, 14-17,2016
3	Implementation of Hybrid RS-ANN for Spatial Image Classification	International Conference on Computational Intelligence and Computing Research	International	December, 15-17,2016
4	Implementation of Spatial Images Using Rough-Set Based Classification techniques	International Conference on Computational Intelligence and Informatics-2018(ICCII-2018)	International	December 28-29,2018
5	Face Detection And Comparison using Deep Learning	Algorithms for Intelligent Systems, Springer Nature Singapore Pte Ltd	International	August 13-14 2021
6	Classification of Skin Diseases using Ensemble Method	Algorithms for Intelligent Systems, Springer Nature Singapore Pte Ltd	International	August 13-14 2021
7	Hybrid Regression Model for Medical Insurance Cost Prediction and Recommendation	IEEE International Conference on Intelligent Systems, Smart and Green Technologies	International	November 13-14 2021
8	Segmentation of medical images using U-Net++	4th International Conference on Advances in Computing, Communication Control and Networking	International	December 16-17 2022

5.9. Sponsored research Projects: Nil

S. No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: Nil

S. No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honours received:

- Received Letter of Appreciation for proactive involvement in the smooth conduction of ICACECS,2020.

- Got 100 % Pass percentage in the subject of Database Management Systems.

- Got 100 % Pass percentage in the subject of Data Structures.

- Received a cash prize for 100% Pass percentage in the subject Operating System at Sri Vasavi College of Engineering, Tadepalligudem.

7. Motto: KNOWLEDGE IS POWER