



Mrs.M. Vinitha

Assistant Professor

Education Qualifications : M.Tech(Ph.D)

Specialization : Computer Science and Engineering



ADDRESS:

D – Block -Room No:D-206

JNTUH ID:

1291-250610-150352

EMAIL:

mvinitha_cse@mgit.ac.in

DATE OF JOINING:

01-01-2026

EXPERIENCE - 10 Years

- Teaching – 10

SUMMARY:

- Publications - 16
- Conferences – 8
- Patents-2
- Books/Book chapters-1
- Honors/Awards - 1

EVENTS:

- Organized – 2
- Attended – 12+

LET'S MEET ON SOCIAL:

- Vidwan-ID :653921
- Google scholarid: 54E_WsEAAAAJ
- Scopus ID:58246314700

Membership of Professional Bodies:

- Life Member of IAENG(524461)
- Life Member of ISTE(LM1449)

Competitive Examination Qualified:

- **UGC-NET** in Computer Science & Applications Qualified in December 2016
- **GATE** in Computer Science and Engineering Qualified in 2014 and 2016.
- **AP-RCET** Research common Entrance Exam Qualified in DEC 2018

Responsibilities Held at Institution Level:

- Campus Monitoring Committee Member

Responsibilities Held at Department Level:

- Member

Honors/Awards Received:

- **Pratibha Award** for meritorious performance in SSC 2008 examinations, securing Mandal First rank. Got selected for six years integrated course in IIIT.

Courses Handled at Under Graduate /Post Graduate Level:

- UG: C Programming, Data Structures, Design Analysis of algorithms , Operating Systems, Computer Networks, Cryptography Network Security, Object oriented programming through java, DBMS, Data Science with Python, Data mining.

Publications:

- Published a paper on “A study on Data Visualization” in International Organization of Scientific Research (IOSR) in Oct 2017. <https://www.iosrjournals.org/iosr-jce/papers/Vol19-issue5/Version-2/C1905021417.pdf>
- Published a paper on “Smart Cities” in International Journal in IT & Engineering (IJITE) (ISSN: 2321-1776) in April 2017. <https://ijmr.net.in/current/2017/APRIL%2C-2017/0zirUR7G4fqOsmQ.pdf>
- Published a paper “Recent Review on Recent Advances in Text Summarization Techniques” in Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_70 [scopus]

ADDRESS:

D – Block -Room No:D-20

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- Published a paper on “Fashion recommendation system” in(2024) International Research Journal on Advanced Engineering Hub (IRJAEH), vol. 2, no. 05, pp. 1243–1247, May 2024, [doi: 10.47392/IRJAEH.2024.0171](https://doi.org/10.47392/IRJAEH.2024.0171).
- Published a paper on "Plant Leaf Disease Detection Using Convolutional Neural Network", International Journal of Science and Research (IJSR), Volume 13 Issue 4, April2024,pp. 1545-1548, <https://www.ijsr.net/getabstract.php?paperid=SR24422151104>
- Published a paper on “Image Transformation Through Pencil Art Rendering and Selective Colorization” (2024) International Research Journal on Advanced Engineering Hub (IRJAEH), 2(06), pp. 1558–1563. <http://doi:10.47392/IRJAEH.2024.0213>
- Published a paper “Crop Care Tech: A Web Based Application for Crop, Fertilizer Recommendation, Disease Detection by Using ML, DL” International Research Journal on Advanced Engineering Hub (IRJAEH) e ISSN: 2584-2137 Vol. 02 Issue: 09 September 2024 Page No:2252-2259<https://irjaeh.com>
- Published a paper on “Omnicare: A Comprehensive ML/DL-Based Prediction System for Healthcare and Agriculture” In International Research Journal on Advanced Science Hub 2582-4376 ,Vol. 06, Issue 10 October <http://dx.doi.org/10.47392/IRJASH.2024.041>
- Published a paper “ An Efficient Ant Colony Optimization Optimized Deep Belief Network Based Text Summarization Using Diverse Beam Search Computation for Social Media Content Extraction” in International Journal of Intelligent Engineering and Systems, Vol.17, No.6, Nov 2024. DOI: 10.22266/ijies2024.1231.89 [scopus]
- Published the paper titled "GreenThumb Advisor: Smart Farming Solutions for Higher Yields and Informed Decisions" in IRJASH, vol. 6, no. 12, pp. 374–380, December 2024. DOI: 10.47392/IRJASH.2024.049.
- Published a paper on “ILABCARE: A Comprehensive ML/DL –Based Prediction System for Healthcare” in International Research Journal on Advanced Engineering Hub (IRJAEH) Page: 156-163,Vol 3, Issue 2, Feb 2025. <https://doi.org/10.47392/IRJAEH.2025.0021>
- Published a Paper on “Integrated U-Net 3+ with Decomposed Multi head Self-Attention Block and Filter Response Normalization for Brain Lesion Localization and Tracking using 3D MRI” in ITM Web of Conferences, https://www.itmconferences.org/articles/itmconf/pdf/2025/10/itmconf_keis2025_01057.pdf

Conferences:

1. Presented a paper on “Face Detection Using color Based Segmentation” 8th International conference on Science and Innovative Engineering organized by Jawahar Engineering College, Chennai Tamil Nadu on 1st April 2018.
2. Presented a Paper on “Recent Review on Recent Advances in Text Summarization Techniques” in 2nd International conference on cognitive and intelligent computing ICCIC 2022 organized by Vasavi College of Engineering, Hyderabad, Telangana on Dec 27th 2022.
3. Presented a paper on “Fashion recommendation system” in International Conference on Advancements in Science, Technology and Management (ICASTM)2024 organized by St. Xavier’s College of Management & Technology Patna, Bihar & Global conference Hub Coimbatore, Tamil Nadu on 25th -26th April 2024.

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54E_WsEAAAAJ
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4. Presented a paper on “Image Transformation Through Pencil Art Rendering and Selective Colorization” in International Conference on Advancements in Science, Engineering and Management(ICASEM)2024 jointly organized by Vidya Vihar Institute of , Bihar & Global conference Hub Coimbatore, Tamil Nadu on 30th -31st May 2024.
5. Presented a paper on “Crop Care Tech: A Web Based Application for Crop, Fertilizer Recommendation, Disease Detection by Using ML, DL” in International Conference on Recent Trends in Arts, Commerce, Science & Technology (ICRACST-2024)Jointly organized by IQAC Initiative , M.G.V.C Arts, Commerce and Science College, Muddebihal, Vijayapur, Karnataka,India & RSP conference Hub,Coimbatore,Tamilnadu,India on 10th & 11th August 2024.
6. Presented a paper on “Omnicare: A Comprehensive ML/DL-Based Prediction System for Healthcare and Agriculture” in International Conference on Advancements in Science, Engineering and Technology (ICASET -2024) jointly organized by Vidya Vihar Institute of , Bihar & Global conference Hub Coimbatore, Tamil Nadu on 27th -28th September 2024.
7. Presented a paper on “GreenThumb Advisor: Smart Farming Solutions for Higher Yields and Informed Decisions” in 4th International Conference on Modern computing Trends and Technology (ICMCTT-IV 2024) organized by kristu Jyothi College in kerala & RSP Hub Tamilnadu on 28th & 29th Nov 2024.
8. Presented a paper on “ILABCARE: A Comprehensive ML/DL –Based Prediction System for Healthcare” in International Conference On Innovations in Engineering, Management and Science(ICIEMS 2025) organized by R&D Cell & Department of CSE, Harcourt Butler Technical University , Kanpur Up India on jan31st and feb 1st 2025.
9. Presented a paper on “Integrated U-Net 3+ with Decomposed Multi head Self-Attention Block and Filter Response Normalization for Brain Lesion Localization and Tracking using 3D MRI” in International Conference knowledge Engineering and Information System organized by Department of MCA Seshadripuram college tumakuru on August 29th &30th 2025.

No. of Books/Patents Published with details:

- Published a book on Title "Artificial Intelligence" in alpha internataional publication in feb 2025, ISBN:978-93-5762-874-7
- Published a Design patent on “English Text Mining Natural Language Processing Device” on Jan2025. Design No: 443946-001.
- Published a utility patent on “AI Driven Synthetic Biology designing Novel Organisms for Environmental Remediation” on Aug 2025 Application No: 202541074794A.

Events Organized: two**FDPs/STTPs: 15+****Online Certifications:**

1. NPTEL course on
 - Deep Learning
 - Programming with Generative AI
 - AI-ML using Python
 - Algorithmic Graph Theory and Data Structures
2. Completed the following courses and got certified from edx
 - PY0101EN:Python Basics for Data Science by IBM in May 2024
 - PH125.8x: Data Data Science Machine Learning by Harvardx university in May 2024
 - ML0101EN:Machine Learning with Python: APractical Introduction offered by IBM on May 7th 2024