

Ms. M. Varalakshmi

Assistant Professor

Education Qualifications: B.Tech, M.Tech, (Ph.D.)
Specialization: Computer Science and Engineering



ADDRESS:

- D – Block -Room No

JNTUH ID:

- 9679-220623-111851

EMAIL:

- mvaralakshmi_it@mgit.ac.in

DATE OF JOINING:

- 29-05-2023

EXPERIENCE - 15 Years

- Teaching -18
- Research -2

SUMMARY:

- Publications - 8
- Conferences - 2
- Patents – 3

EVENTS:

- Organized - 3
- Attended – 37

LET'S MEET ON SOCIAL:

- <https://www.linkedin.com/in/madda-varalakshmi-36048364/>
- [Madda Varalakshmi - Google Scholar](#)
- <https://orcid.org/0000-0001-5481-1317>

Membership of Professional Bodies:

1. IAENG - 130523.
2. ACM - 9115842
3. SDIWC - 19249

Responsibilities Held at Institution Level:

1. Women Grievance Committee Member ,
2. Exam cell in-charge
3. Cultural Events Coordinator
4. Discipline Committee Member

Responsibilities Held at Department Level:

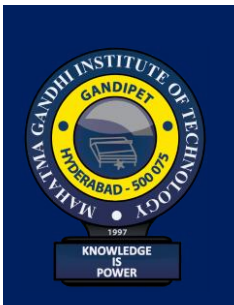
1. Syllabus framing committee member
2. Students Internship Coordinator
3. Coordinator for technical Events

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** C, OOPs through C++, DS, R-Programming with Statistical Analysis, Compiler Design , Principles of Programming Languages , UNIX Programming, Operating Systems, , Formal Languages & Automata Theory, Artificial Intelligence, Machine Learning.
- **PG:** Advanced UNIX Programming, Distributed Systems

Publications:

1. **M.Varalakshmi**, Dr. Sundaradasu Suresh, “Hybrid Steganography Using Multimedia (Image, audio, video) Concepts Based on Invariant Substitution Techniques -SSN: 2320 – 7884 (Online) ISSN: 2321-0257 (Print) - Paper Ref: IJDCST /V-1/I-4/SW-061
2. **M.Varalakshmi**, G. Anitha, “A review report on data mining for a big data. - ISSN (Online) :2320-0804 - Paper ID: RK150417 - publication in Volume 4, Issue 4 (April Issue) of IJEA.
3. Keerthi , **M. Varalakshmi**, “Voyage organization for combination of fortuitous”. IJESAT,Volume-3, Issue-5
4. Ponnaganti Kalyani, **M. Varalakshmi**. “A Novel Approach For Identifying Different Shapes Based On Edges Using Classification Algorithms In Image Processing” IJCAR, International Journal of Current Advanced Research ISSN: O: 2319-6475, DOI:http://dx.doi.org/10.24327/ijcar.2017.3634.0334
5. Peddi Ramyasri,, PotturiMounika Sindhura, PattenBhanu Prasanna,, NagallaTulasi, **Ms. M.Varalakshmi** (Asst.Prof) , “Developing smart agri-tech app for farmers” - 2018 IJCRT | Volume 6, Issue 2 April 2018 , | ISSN: 2320-2882 online) (Scopus, ESCI)
6. Sk. Husne Tanveer, S. Sai Siva Teja, V. Arunkanth, V.L.N. Aditya, **Madda.Varalakshmi**,“ Data Analysis : Identifying The Most Influential Attributes Of Heart Diseases That Cause Deaths” , IJRAR, Volume 7 | Issue 1 March 2020



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7. V. Naveen Babu¹, T. Murali, Sk. Meer Hussian, S. Nava Chaitanya and **Madda.Varalakshmi**, “Data Analysis: Finding the Most Effective Factors Causing Cancer Deaths”, International Journal of Computer Sciences and
8. Jeevana Jyothi Pujari, **M Varalakshmi**, Mahammad Salma Sultana , Kowtharapu Radha, “Review: Time complexities in genetic algorithm with the use of multiprocessor task scheduling”, International Journal of Grid and Distributed Computing Vol. 13, No. 1, (2020), pp. 2714– 2719 Engineering Open Access Technical Paper Vol.8, Issue.4, Apr 2020 E- ISSN: 2347-2693, DOI: <https://doi.org/10.26438/ijcse/v8i4.9096>| Available online at: www.ijcseonline.org.

Conferences:

1. M.Varalakshmi, P. Pavani, G. RamaDevi, “Need , Impact and scope of Prescriptive Analytics”. International Journal of Engineering and Advanced Technology (IJEAT) ISSN:2249 – 8958, Volume-8, Issue-3S, February 2019
2. ASK Wasim, M.Varalakshmi, Sudeepthi. “ Streaming Big Data Analytics Current Status, Challenges and Connection of unbounded data Processing platforms”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue9S2, July 2019

Patents:

1. Patent on “Deep Learning And AI For Enhanced Image And Video Analysis” was published on 08-03-2024 along with Mr. Venkatesh Kavididevi, Mr. Ravi Teja Gedela, Mr.K Divya Reddy ; Application Number : 202441009106
2. Patent on “Forgery Detection by using extracted ELA features using CNN” was published on 20/12/2024 along with Mr R.Suresh, Ms. B Rajani, Dr.B.Sivaranjani; Application Number : 202441098417
3. Patent on “A systematic approach on Deep Transfer Learning Models for Industrial Fault Diagnosis Using Vibration and Acoustic Sensors Data” was published on 11/04/2025 along with Mr . Jhum Swain, Mr. Susanta Kumar Sahoo, Dr. Soujanya Duvvii; Application Number : 202541027003

Events Organized:

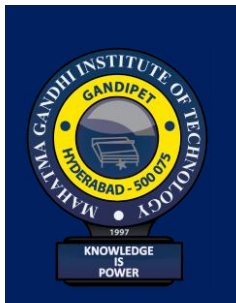
FDPs/STTPs:

1. One week Faculty Development Program on “ APPLIED CRYPTOGRAPHY” , Sponsored by Ministry of Electronics and Information Technology, GoI, Organized by E&ICT Academy, NIT Warangal & VVIT (CSE & IT) , AP, from 12th November – 18th November, 2018
2. 4-Day Training on “UNITY” , conducted at Vasireddy Venkatadri Institute of Technology, Guntur from 27th– 30th March, 2018.
3. One Day Faculty Enablement Program on “ Data Analytics” , a seminar held at Vasireddy Venkatadri Institute of Technology, Guntur on 24th June 2017 conducted by SPHERE Soft Solutions India Pvt. Ltd

Events Attended

FDPs/STTPs:

1. One Week FDP on "Applied Deep Learning" Organized by Department of AI & ML, CBIT (A), Hyderabad, in association with ACM Chapter, held from 19th – 24th May, 2025
2. One Week FDP on "AI and Cloud based Tools for Research" Organized by National Institute of Technical Teachers Training & Research, Chandigarh, Ministry of Education, Government of India, held from 24th – 28th March, 2025.
3. Fifteen Day FDP on "Deep Learning" Organized by Skill Dzire (Swayam Plus) in collaboration with AICTE, held from 17th – 31st March, 2025.



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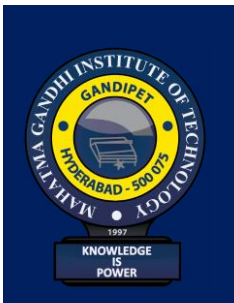
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4. One Week FDP on "Emerging Innovations and Challenges in Modern Data Analytics Applications" Organized by Department of IT, MGIT, in association with Computer Society of India (CSI), held from 20th – 24th January, 2025.
5. One Week ATAL FDP on "Statistics for Industrial Data Analysis" Organized by AICTE Training and Learning (ATAL) Academy at Vishwakarma Institute of Technology, held from 13th – 18th January, 2025.
6. One Week ATAL FDP on "Leveraging Healthcare: Innovations, Technology and Applications (HealthITA)" Organized by AICTE Training and Learning (ATAL) Academy at National Institute of Technology Delhi, held from 16th – 21st December, 2024.
7. Two Day Conference on "Emerging Trends in Business Management: Entrepreneurship, Technology, and Sustainability (ICBM-ETS 2024)" Organized by School of Management Studies, CBIT, Hyderabad, held from 13th – 14th December, 2024.
8. One Week ATAL FDP on "High Performance Computing for Data Intensive and Complex AI Applications" Organized by AICTE Training and Learning (ATAL) Academy at Chaitanya Bharathi Institute of Technology, held from 2nd – 7th December, 2024.
9. Two Day Research Conclave "SHoDH Telangana – ZONAL Research Scholars Conclave for Radiant Bharath" Organized by JNTUH & ABVP, Hyderabad, Telangana, held from 8th – 9th November, 2024.
10. One Week FDP on "Robotics and Industrial Automation" Organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology (A), Hyderabad, Telangana, held from 4th – 9th November, 2024.
11. One Week FDP on "Trends in Threat Analysis of Cyber Attacks in Machine Learning" Organized by Departments of IT & CSE, Vardhaman College of Engineering, Hyderabad, Telangana, held from 23rd – 28th October, 2024.
12. One Week FDP on "Foundation of Stock Market for Beginners" Organized by Star International Foundation for Research and Education, held from 23rd – 27th September, 2024.
13. One Week FDP on "Zero Trust Cloud Security" Organized by National Institute of Technical Teachers Training & Research, Chandigarh, Ministry of Education, Government of India, held from 5th – 9th August, 2024.
14. Four Day FDP on "UI Flutter" Organized by Department of CSE, ET & IT, MGIT, Hyderabad, held from 30th July – 2nd August, 2024.
15. One Week FDP on "Implications of Emerging Computing Technologies" Organized by Hindustan College of Arts & Science, held from 29th July – 4th August, 2024.
16. One Week FDP on "Big Data Analytics with SPARK" Organized by Department of CSE & IT, CBIT, Hyderabad, held on 1st – 6th February, 2024.
17. One Week Workshop / Training Programme on "Federated Machine Learning (Healthcare, Cloud Computing & IoT)" Organized by Department of CSE & IT, Vardhaman College of Engineering, Hyderabad, held on 21st – 25th November, 2023.
18. One Week FDP on "Deep Learning" Organized by National Institute of Technical Teachers Training & Research, Chandigarh, Ministry of Education, Government of India, held on 11th – 15th September, 2023.
19. One Week Workshop on "Data Visualization Tools Using R, Power BI, Tableau" Organized by Department of IT, MGIT, Hyderabad, held on 4th – 8th September, 2023.
20. One Week FDP on "Data Science for Business" Organized by VIIT, Pune, held on 4th – 8th September, 2023.
21. One Week FDP on "Cloud Infrastructure (AWS)" Organized by JNTUK UCEN, held on 21st – 25th August, 2023.



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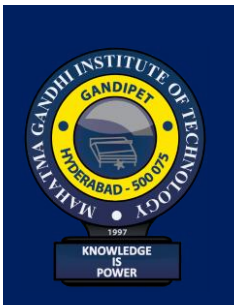
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- One Week FDP on "Trends in Technological Intelligence (T2I - 2023)" Organized by Banarasi Das Northern India Institute of Technology, held on 21st – 25th August, 2023.
- One Week Workshop on "MERN Stack" Organized by Department of IT, MGIT, Hyderabad, held on 24th – 28th July, 2023.
- 3-Day FDP on “ DEVOPS” conducted by Vardhaman College of Engineering, Kacharam, Telangana.
- 3 Day- FDP on Latest Research Methodologies , conducted by Vardhaman College of Engineering, Kacharam, Telangana.
- 7-Day Workshop of GURUDAKSHA, conducted by Vardhaman College of Engineering, Telangana.
- One Week Faculty Development Program on “Amazon Web Services (AWS)” during the period of 22nd – 27 th August 2022 Organized by Department of Electrical, Electronics and Communication Engineering, School of Technology, GITAM (Deemed to be University), Hyderabad in collaboration with Brain O Vision Solutions India Pvt.Ltd & All India Council For Technical Education (AICTE)
- One Week FDP on "CURRENT RESEARCH TRENDS In COMPUTER SCIENCE" Organized by Department of CSE, University College of Engineering & Technology, KRISHNA UNIVERSITY, Held on 04th - 08th July, 2022.
- One Week Faculty Development Program on “Research Methodology” organized by KSRM, CRI ,Kadapa, University, 17th January – 21st January, 2022.
- 10 Days Faculty Development Program on “ Block Chain technologies” , Sponsored by Ministry of Electronics and Information Technology, GoI, Organized by E&ICT Academy, NIT Warangal & VVIT (CSE & IT) from 19th – 29th July, 2021.
- One Week National Faculty Development Program and Online Training on "R Programming “hosted by Prakasam Engineering College, Kandukur In association with Spoken Tutorial Project, IIT-Bombay, funded by a National Mission on Education through ICT, MHRD, Govt.of India (22nd May to 28th May 2020).
- One week Faculty Development Program on “ APPLIED CRYPTOGRAPHY” , Sponsored by Ministry of Electronics and Information Technology, GoI, Organized by E&ICT Academy, NIT Warangal & VVIT (CSE & IT) , AP, from 12th November – 18th November, 2018.
- One week Faculty Development Program on “ Data Analytics with R” , Sponsored by Ministry of Electronics and Information Technology, GoI, Organized by E&ICT Academy, NIT Warangal & GNITS (CSE & IT) , Telangana, from 30th April – 5th May, 2018.
- 4-Day Training on “UNITY” , conducted at Vasireddy Venkatadri Institute of Technology, Guntur from 27th – 30th March, 2018.
- One Day Faculty Enablement Program on “ Data Analytics” , a seminar held at Vasireddy Venkatadri Institute of Technology, Guntur on 24th June 2017 conducted by SPHERE Soft Solutions India Pvt. Ltd.
- One Week Faculty Improvement Program on “Google Android Developer Fundamentals” workshop by APSSDC from 7th to 11th November, 2016.
- One Day Faculty Development Program and seminar conducted by IBS on 24th July, 2015.



Online Certifications:

- The Power of Macroeconomics: Economic Principles in the Real World”
- Practical Time Series Analysis – Coursera
- Neural Networks and Deep Learning – Coursera
- Model Thinking – Coursera
- Intro to Time Series Analysis in R – Coursera
- Python for Data Science – NPTEL
- AI / ML for Geo Data Analysis – IIIRS, ISRO
- TESOL / TEFL - World TESOL Academy
- Preparing Data for Analysis with Microsoft Excel - Microsoft – Coursera
- Overview of Geographic Information System – IIIRS, ISRO

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