R.VIJAYALAKSHMI

Education Qualifications: Master of Engineering
Specialization: Computer Science And Engineering

ADDRESS:
- D-Block Room No.311

JNTUH ID:
6637-230524-103835

EMAIL:
rvijayalakshmi_it@mgit.ac.in

DATE OF JOINING:
14-06-2023

EXPERIENCE - 4 Years
- Teaching - 4
- Research -
- Industry -
- Others –

SUMMARY:
- Publications - 13
- Conferences - 18
- Patents – 1
- Books – 1
- Honors/Awards - nil

EVENTS:
- Organized -
- Attended - 40

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- https://www.instagram.com/mgithyderabad
- https://www.linkedin.com/company/mgithyderabad
- https://twitter.com/MGIThyderabad

Membership of Professional Bodies:

IAENG - 335203

Responsibilities Held at Institution Level:
1. Member, student monitoring committee.
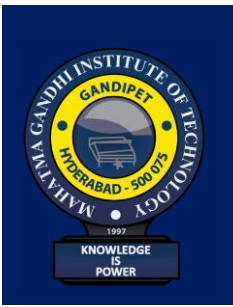
Responsibilities Held at Department Level:
1. Mentor for III-year IT students.

Courses Handled at Under Graduate /Post Graduate Level:
1. **UG:** Object oriented Programming (CSB), Node Js/React Js lab (IT & CSB), Block chain Technology , Python Programming Lab (IT & CSB), Cyber security (MECH & IT).

Publications:
1. R.Vijayalakshmi ,M.Renuga Devi "Data security by Iris code using randomized attribute method,"International Journal on Emerging technology in computer science and electronics' ' [ISSN (Print): 0976-1353, Volume 12 issue 2, January 2015]. Paper ID: V12I2P11.

2. R.Vijayalakshmi,M.Renuga Devi " Ear based segmentation and authentication by using active contour algorithm," International Journal of Innovative Research in Computer Science and Engineering (IJIRCSE),ISSN: 2394-6364, Volume – 1, Issue – 9. August 2015".

3. R.vijayalakshmi "INTERACTIVE WAY OF CONTROLLING PRESENTATION USING HAND GESTURES" International Journal of Novel Research and Development (IJNRD) ISSN :2456-4184 ISSN Approved & 8.76 Impact Factor Published in Volume 9 Issue 5, May-2024 | Date of Publication: 13-05-2024. Paper ID - IJNRD2405311.

4. R.Vijayalakshmi Predict future business sales Forecasting using machine learning International journal of scientific research in engineering and management. Published in IJSREM journal on volume 08 issue 05 ,May 2024 ISSN : 2582-3930 Impact factor:8.448 DOI:10.55041/IJSREM33901.

5. .R.VijayaLakshmi Visual Vigilance: Video-Based Detection to Ensure Helmet Complianceb International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 09 Issue: 03 | March - 2025 SJIF Rating: 8.586 ISSN: 2582-3930.

6. R.VijayaLakshmi Enhancing Web Service Classification with Explainable AI:A Semi-Supervised Learning approach International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 09 Issue: 03 | March - 2025 SJIF Rating: 8.586 ISSN: 2582-3930.

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7. R.VijayaLAkshmi Live helmet detection International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 09 Issue: 03 | March - 2025 SJIF Rating: 8.586 ISSN: 2582-3930.

8. R.vijayaLakshmi HAS Published A Research Paper Entitled Quality-Based Web Service Classification with Explainable AI and Recommendation System: A Semi-Supervised Learning Approach in IJARSCT, Volume 5, Issue 4, May 2025 Of Publication International Journal of Advanced Research in Science, Communication and Technology ISSN No: 2581-9429 Volume 5, Issue 4, May 2025

9. R. Vijaya Lakshmi HAS Published A Research Paper Entitled "Quality-Based Web Service Classification with Explainable AI and Recommendation System: A Semi-Supervised Learning Approach "in IJARSCT, Volume 5, Issue 4, May 2025.

10. R.vijayalakshmi In recognition of the publication of the paper entitled "VISUAL VIGILANCE: VIDEO BASED DETECTION TO ENSURE HELMET COMPLIANCE" Published in Volume 10 Issue 5, May-2025, | Impact Factor: 9.15,IJSDR.

11. R.VijayaLakshmi has published a research paper entitled "AUGMENTED REALITY INTERIOR DESIGN APPLICATION "OEIL RESEARCH JOURNAL (ISSN:0029-862X) VOLUME 23 ISSUE 5 May 2025.

12. R.VijayaLakshmi has published a research paper entitled "Augmented Reality Interior Design Application "International Journal of Research Publication and Reviews Journal homepage: www.ijrpr.com ISSN 2582-7421 Reviews, Vol 6, Issue 4, pp 4018-4029 April 2025 DOI : https://doi.org/10.55248/gengpi.6.0425.1454.

13. R.Vijayalakshmi has presented a paper entitled Approximation of an autonomous navigation system in UAVs based on reinforcement learning in 6 t h International Conference of Emerg ing Technology (INCET 2025) during 22 n d 24 t h May 2025.

Conferences

1. Data security by IRIS code using randomized attribute method presented in International conference at "V.P Muthaiah Pillai Meenakshi Ammal Engineering college for Women ",srivilliputhur .
2. Data security by IRIS code using randomized attribute method presented in IEEE international conference at "Adhiparasakthi Engineering College", Melmaruvathur.
3. Ear based segmentation and authentication by using active contour algorithm

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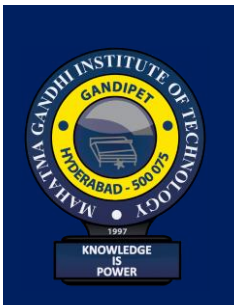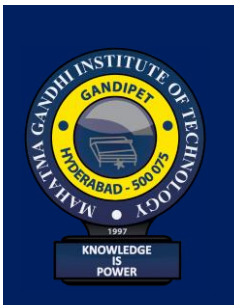- Honors/Awards - nil

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presented in national conference at " Kalasalingam University " , srivilliputhur.

4. Discovering and determining firewall arrangement in consistences presented in national conference at "Renganayagi varatharaj College of Engineering " , Salvarpatti .

5. Ear based segmentation and authentication by using active contour algorithm presented in an international conference at "GreenTech college of Engineering for Womens ",Salem.

6. Design of security enhancement in mobile adhoc network using forwarding game theory presented in national conference at "P.S.R Rengasamy college of Engineering for Women", Sivakasi.

7. Geometric feature extraction based human identification and authentication using EAR biometrics presented in an international conference at "Ranganathan Engineering College",Coimbatore.

8. Geometrical feature extraction based human identification and authentication using EAR images presented at IEEE international conference at "Karpagam College of Engineering" , Coimbatore.

9. Ear based segmentation and authentication by using active contour algorithm presented in an international conference at "Pandian Saraswathi Yadav Engineering College ", Madurai.

10. A survey paper on MRI based brain tumor detection using machine learning presented in national conference on "Karpagam Academy of higher education 2022 ,Coimbatore"

11. Covid -19 contact tracking using IMEI number presented at "velammal college of engineering and technology,2023 ,Madurai".

12. INTERACTIVE WAY OF CONTROLLING PRESENTATION USING HAND GESTURES presented at "ICLTSET '24 International conference on Latest Trends in Science, Engineering and Technology · Karpagam Institute of Technology" on 26-04-2024

13. Human Cough Breathing and Speech Signals To Detect Covid 19 With Artificial Intelligence presented at "IDHAYA ENGINEERING COLLEGE FOR WOMEN CHINNASALEM-606 201, KALLAKURICHI DISTRICT, TAMIL NADU, INDIA ".27-04-2024

14. A Survey Paper On Covid – 19 Human Cough, Breathing And Speech Signals With AI presented at National Conference on "Artificial Intelligence and Machine Learning - (NCOIL-2024)" Organized at Erode Sengunthar Engineering College, Perundurai on 27th December 2024,Tamil Nadu ,India.

15. A survey paper on eye detection and authentication using randomized attribute method AT THE SECOND INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND INFORMATION TECHNOLOGY (ICIT-25) HELD ON MARCH 03rd AND 04th 2025, AT ERODE SENGUNTHAR ENGINEERING COLLEGE(AUTONOMOUS), PERUNDURAI, ERODE, TAMIL NADU, INDIA.

16. Geometric feature extraction based human detection and authentication using ear images presented at international conference on recent innovations in engineering and technology (ICRIET 2025) organized by the department of information technology organized by Bannari Amman institute of technology sathyamangalam ,Erode on 11.04.2025 to 12.04.2025 ,Tamil Nadu ,India

17. A SURVEY PAPER ON EYE DETECTION AND AUTHENTICATION USING RAMDOMIZED ATTRIBUTE METHOD presented at THE SECOND INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND INFORMATION TECHNOLOGY (ICIT-25) HELD ON MARCH 03rd AND 04th 2025, AT ERODE SENGUNTHAR ENGINEERING COLLEGE(AUTONOMOUS), PERUNDURAI, ERODE, TAMIL NADU, INDIA.

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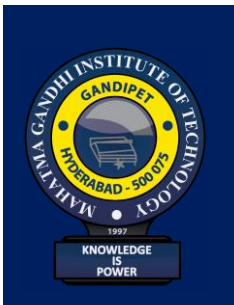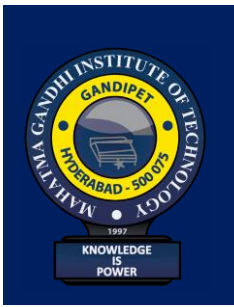- Attended - 40

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18. R.Vijayalakshmi has presented a paper entitled Approximation of an autonomous navigation system in UAVs based on reinforcement learning in 6 t h International Conference of Emerg ing Technology (INCET 2025) during 22 n d to 24 t h May 2025.

Events Attended

FDPs/STTPs:

1. "Embedded System and Cisco Network" in Unnamalai institute Of Technology, kovilpatti.
2. "Cloud Computing Solutions for Genomics Analysis" in National Engineering College, Kovilpatti.
3. "Android Application Development" in Sree Sowdambika College of Engineering, Aruppukottai.
4. "Research issues in Digital Image Processing" in Mepco Schlenk Engineering College, Sivakasi.
5. "Networking Platform" conducted by HCL in Kalasalingam Institute of Technology, Srivillipithur.
6. Seminar on "Web Development and Web Hosting Using Open Source Technologies" in Ad-e-park, Chennai.
7. "Internet of Every things" in Vaigai Engineering College, Madurai.
8. Online FDP on "Statistics for business research and SPSS application" conducted by NIT, Warangal from 18 to 25 July 2022.
9. Online FDP on "Recent Trends in DataScience For Engineering "Conducted by CBIT,Hyderabad From 26 June 2023 To 30 June 2023.
10. 5 Days Hands on Workshop training On MERN STACK conducted by Mahatma Gandhi Institute Of Technology(Autonomous) Codegnan IT Solutions 24-07-2023 to 28-07-2023.
11. Online FDP on "Trends In Technological Intelligence 2023 " Conducted by Babu BanaRasi Das National India Institute Of Technology,Lucknow 21.08.2023 to 25.08.2023.
12. Online 5 days STTP on "Data Science Business" Conducted By VIIT Pune,04-09-2023 to 08-09-2023.
13. 5 Days Workshop on ""DATA VISUALIZATION TOOLS USING R, POWER BI And Tableau " Organized by Mahatma Gandhi Institute Of Technology(Autonomous)In Association with Pantech Learning PVT ,LTDFrom 04- 09-202 3 TO 08-09-2023
14. 2 days workshop on "smart application of labview in electronics engineering "organized by Sri vidya college of engineering and technology, 01-12-2023 to 02-12-2023 .
15. 1 day webinar on "Research Tools and techniques -A Guide for beginners" organized by P.S.R Engineering college, sivakasi 19.01.2024 .
16. Five Days national Online FDP on "RESEARCH METHODOLOGY: ETHICS & PUBLICATIONS ",organized by the IQAC and PG & Research Department of Mathematics, Theivanai Ammal College for Women (Autonomous), Villupuram on 22.01.2024 - 26.01.2024.
17. One week national level Faculty Development Programme on ""DevOps and It's Applications",organized in collaboration with at Mahatma Gandhi Institute

of Technology. BRAIN O vision Solutions India Pvt.Ltd, Hyderabad.05-02-2024 to 10-02-2024.

18. One Week Professional Development Programme on "Data Science Mastery"Organized by Department of CSE - (CyS, DS) and AI & DS VNR Vignana Jyothi Institute of Engineering and Technology (05th Feb to 10th Feb, 2024).

19. 21 Days Masterclass on " Embedded Systems(Arduino)" has successfully organized by in collaboration with Mahatma Gandhi institute of technology ,hyderabad 14.02.2024 06.03.2024.

20. 21 Days Masterclass on "Autonomous Vehicle Design" has successfully organized by in collaboration with Mahatma Gandhi institute of technology ,hyderabad 13.03.2024 02.04.2024.

21. one week national level Faculty Development Programme on "Full Stack Development" organized by department of computer science and engineering MGIT ,Hyderabad 08-07-2024 to 13-07-2024.

22. one week national level Faculty development Programme on "UI FLUTTER" organized by Department of CSE,IT,ET MGIT,Hyderabad 30-07-2024 to 02.08.2024.

23. Two weeks Faculty development on "Transforming Education: Integrating OBE and NEP 2020" organized by Department of Electronics and Communication Engineering, CVR College of Engineering , Vastunagar, Mangalpalli (V), Ibrahimpatnam (M), Ranga.Reddy(D), Telangana,Hyderabad 22 July to 2 August 2024.

24. One Week international Faculty development Programme on "AI for sustainable development" Organized by VIIT Pune IEEE Region 10 humanitarian technology activities,IEEE Pune 05-08.2024 to 09-08-2024

25. one week AICTE ATAL TechSaksham Faculty Development Program on "MERN Web Stack Development" Organized by 'TechSaksham' initiative of Microsoft and SAP 20-08-2024 to 24-08-2024.

26. Five days national level faculty development programme on "Data Science using R Programming "organized by department of IT,CSE,ET ,Mahatma Gandhi institute of technology ,telangana ,hyderabad 06-08-2024 to 10-8-2024.

27. Five Days Online Faculty Development Program on "Emerging Technologies And Their Applications In Computational Sciences" organized by the Department. of Computer Science and Engineering ,Stanley College of Engineering and Technology for Women (Autonomous) Hyderabad - 500 001, Telangana from 25th to 29th Oct, 2024.

28. Five-Day Online Faculty Development Programme on "Speech Recognition and Text Analytics using Generative AI " held during 9th December to 13th December, 2024 organized by the Department of Information Technology, Stanley College of Engineering & Technology for Women, Hyderabad, India.

29. Five days International Online FDP on "USAGE OF DEEP LEARNING, MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE

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- Others –

SUMMARY:

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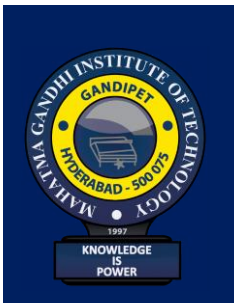- Patents – 1
- Books – 1
- Honors/Awards - nil

EVENTS:

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- Attended - 40

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TOWARDS SMART MOBILITY" from 16 th to 21 st December-2024 organized by by DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, KONERU LAKSHMAIAH EDUCATION FOUNDATION, DEEMED TO BE UNIVERSITY, BACHUPALLY CAMPUS, HYDERABAD, TELANGANA-500043

30. 21 Days Masterclass on Jetson AI has successfully completed 22.11.2024 12.12.2024 mgit collaboration with Pantech E Learning.

31. One Week Faculty Development Program on "Mastering AI Tools for Faculty Excellence" Organized in association with IEEE Computer Society Pune Chapter by Department of CSE - Artificial Intelligence & Department of CSE- Artificial Intelligence and Machine Learning, Vishwakarma Institute of Information Technology, Pune from 23rd December to 27th December 2024.

32. one week faculty development program on "Emerging Wireless Technologies for 6G" held during 6 January to 10 January 2025 organized by the Department of Electronics and Communication Engineering.

33. National Level one week fdp on "Emerging Innovations and Challenges in Modern Data Analytics Applications" organized by Department of Information Technology, Mahatma Gandhi Institute of Technology, Hyderabad, Telangana in association with CSI from 20th January 2025 to 25th January 2025.

34. Five days Faculty Development Program on "Exploring the Frontiers of Computation - Formal Language and Automata" organized by Department of Computer Science and Engineering along with Information Technology at J.P. COLLEGE OF ENGINEERING from 03.02.2025 to 07.02.2025.

35. One week fdp on Gen AI & Chat GPT Application in the Industry Organized by the Department of MBA & Research Centre, SJC Institute of Technology, Chikkaballapur. Chaitanya Bharathi Institute of Technology Autonomous, Hyderabad – Telangana. Bharti Vidyapeeth (Deemed to be University) College of Engineering, Pune in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 27th Jan to 31st Jan 2025.

36. Five days Faculty Development Program on "Exploring the Frontiers of Computation - Formal Language and Automata" organized by Department of Computer Science and Engineering along with Information Technology at J.P. COLLEGE OF ENGINEERING from 03.02.2025 to 07.02.2025.

37. FDP on Blockchain & web 3 organized by Department of CSE & CSE (Data Science), Sri Siddhartha Institute of Technology, SSAHE, Karnataka. Jai Narain College of Technology, Bhopal,Madhya Pradesh. Dr. Vithalrao Vikhe Patil College of Engineering, Ahilynagar,Maharashtra. Rajkumar Goel Institute of Technology, Ghaziabad (UP). Oriental Institute of Science &

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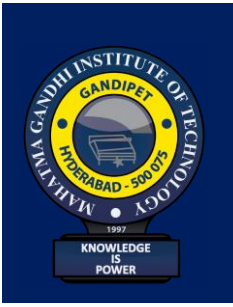- Patents – 1
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Technology,Bhopal Madhya Pradesh. Srinivas Institute of Technology,Managlore,Karnataka 10.03.2025 to 17.03.2025

38. Three days FDP on "NLP With Chat GPT" organized by Sai ram institute of technology,west tambaram chennai .Date 17.03.2025 to 19.03.2025

39. FDP Program has successfully completed online on Deep learning organized by SkillDzire in collaboration with AICTE 17-Mar-2025 To 31-Mar-2025

40. Faculty Development Program on Generative AI and Prompt Engineering Organized by the Khalsa College for Women, Civil Lines, Ludhiana (Punjab) New Horizon College of Engineering, Department of MCA, Bangalore, Karnataka Bharti Vidyapeeth (Deemed to be University) College of Engineering, Pune in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 21 st April to 25th April 2025.

41. one day online FDP on understanding IPR : A complete guide to Research,Patents , copywrites,trademarks and scholarity writing organized by MRCE Entrepreneurship Development Cell (EDC) Malla Reddy College Of Engineering Telangana ,in collaboration with pencilbitz held on 26.06.2025

42. FDP on GEN AI &AGENTIC AI organized by MIT academy of Engineering Alandi ,Pune,Maharashtra,Ramaiah Institute of technology -department of management of studies ,bangalore ExcelREd.tech.pvt 09.06.2025 to 27.06.2025.

43. One week FDP on Recent Advancements in Artificial Intelligence (AI) & ML organized by Department of Electronics and Communication Engineering St.Joseph 's college of Engineering is associated with STEP -National Institute of technology ,surathkal and Pantech e learning.30.06.2025 to 04.07.2025

44. R.Vijayalakshmi Participated in Faculty Development Program on Cloud Computing Organized by the J B Institute of Engineering & Technology (JBIET), Hyderabad, Telangana. GITA Autonomous College, Bhubaneswar. Hyderabad Institute of Technology & Management (HITAM), Telangana RV Institute of Technology & Management (RVITM), Bangalore, Karnataka. Atma Malik Institute of Technology and Research, in Collaboration with ExcelR Edtech Pvt. Ltd Date: 14 th July to 18 th July 2025.

45. R Vijayalakshmi Participated in Faculty Development Program on Data Analytics Using Power BI Organized by the Atria Institute of Technology (AIT), Autonomous, Bangalore, Karnataka.and Annasaheb Dange College of Engineering and Technology, Ashta, Maharashtra in Collaboration with ExcelR Edtech Pvt. Ltd Date: 28th July 2025 to 01st August 2025.

PATENT
1. Patent on "NodeJS and Postman for Serverless Computing has successfully published IGI Global publishing tomorrow research today.

Any Other Contribution:
1. One
2. Two

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