J.Hima Bindu
Assistant Professor,IT

Education Qualifications: **M.Tech(CS),(Ph.D)**
Specialization: **Image Processing and Computer Vision**

ADDRESS:
- D–Block-Room No 303

JNTUH ID:
61150402-134425

EMAIL:
jhimabindu_it@mgit.ac.in

DATE OF JOINING:
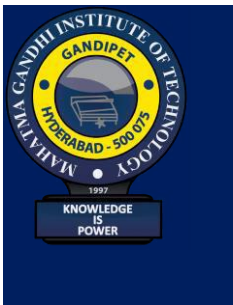18-08-2006

EXPERIENCE-19Years
- Teaching-19

SUMMARY:
- Publications-17
- Conferences-17
- Patents–5
- Honors/Awards-1

EVENTS:
- Organized-16
- Attended– 73

Social Media:

https://www.linkedin.com/in/j-himabindu-5605b0238

Membership of Professional Bodies:

1. ISTE(Life Membership)–LM129030

2.Indian Red Cross Society(Telangana State Branch)–Life Member

Responsibilities Held at Institution Level:

- Member in Co-curricular and Extracurricular activities committee
- Campus Monitoring duty
- Member in various Committees of Nirvana
- Alumni Activities Committee member
- Member in UGC Qualitative initiative-Consortium for Academic and Research Ethics
- Anti-Ragging committee member

Responsibilities Held at Department Level:

- Class In charge for CSB
- Lab In charge
- Alumni Coordinator from IT department
- NPTEL Coordinator from IT department
- Member in various committees of yukti and convener for yukti-2016 and Techkriti-2024
- Board of Studies Member from IT Department
- Results analysis In charge
- AI Club Coordinator

Courses Handled at Undergraduate/Postgraduate Level:

- **UG:**
- C Programming and Data Structures
- Object oriented programming through Java
- Web Technologies
- Information Security
- Digital logic design
- Formal Languages and Automata Theory
- Network Security
- Database Management Systems
- Principles of Programming Languages
- Artificial Intelligence
- Cryptography and network security
- Automata Theory and Compiler Design
- Data Analytics
- Constitution of India
- Cyber Security

- **PG:**
  - ➤ Internet security threats and vulnerability
  - ➤ Network Security
  - ➤ Cloud Computing

- **Minor Degree:**
  - ➤ Data Wrangling and Visualization

Publications:

1. A Review on Autonomous Robot for Forest Fire Detection,*"International Journal of Research Publication and Reviews,* vol. 6, no. 4, UGC Indexed, International Journal.
2. "Brain Tumor Segmentation and Classification on 3D Images Using Deep Learning Approach,"International Journal of Research Publication and Reviews, vol. 6, no. 4, UGC Indexed, International Journal.
3. "Autonomous Robot for Forest Fire Detection,"OEIL Research Journal, vol. 23, no. 5, Scopus Indexed, International Journal.
4. "Deriving Efficient 3D U-Net Based Segmented Anomaly Detection and Classification in 3D MRI Images Using ConvLSTM Model and Shuffled Frog Leaping Algorithm,"Journal of Information Systems Engineering and Management, vol. 10, Scopus, Web of Science Indexed (Q2),InternationalJournal. DOI:https://doi.org/10.52783/jisem.v10i16s.2591
5. "Ensemble Techniques for Detecting Malicious URLs and Phishing Attacks Using Machine Learning Approach,"Journal for Basic Sciences, vol. 25, no. 5, Scopus Indexed, International Journal.
6. "3D MRI Image Segmentation Using Ensemble Models,*"Proceedings of ICMSEE-25, Taylor and Francis, Scopus Indexed, International Conference.
7. "A Survey on 3D MRI Image Segmentation Using Ensemble Models,"International Journal of Scientific Research in Engineering and Management (IJSREM), vol. 9, no. 3, UGC Care Indexed, International Journal.
8. "An Optimized Ensemble Learning Framework for Phishing and Malicious URL Detection,"International Journal of Scientific Research in Engineering and Management (IJSREM), vol. 9, no. 3, UGC Care Indexed, International Journal.
9. An Agricultural Aiding Design for Farmer using MachineLearning, IJAST, ISSN: 2005 – 4238, Scopus Indexed.
10. "Intelligent Manufacturing System To Manage Industrial Internet Of Things(IIOT)"Science,Technology&Development Journal, ISSN:0950-0707.
11. SVM machine learning algorithm implementation to predict lung and breast cancer, International Journal of Information and Computing Science, ISSN: 0972-1347.
12. Student Placement Prediction Using Machine Learning, International Journal of Creative Research Thoughts, ISSN: 2320-2883.
13. Heart Disease Prediction System using HEALTHCARE Datasets, Journal of Engineering Sciences, ISSN:0377- 9254.
14. A Recursive Approach for Resource Renting in Cloud Workflow Applications, International Journal of Research & Analytical Reviews, ISSN: 2349-5138.
15. Progression to wards Mobility Management In wireless System-IJRRECS-2013.

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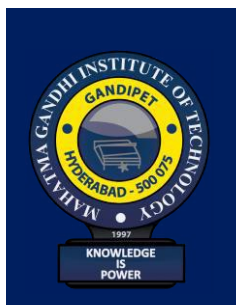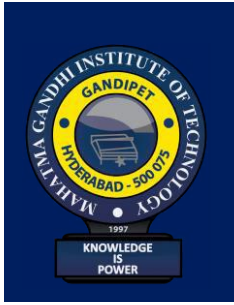
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16. Revolutionizing Road Maintenance - Road Failure Detection System," JETIR, vol. 11, no. 5, May 2024, ISSN: 2349-5162, UGC Indexed.
17. "Neurovision - Deep Learning Approach for Brain Tumor Identification," African Journal of Biological Sciences, vol. 6, no. 9, 2024, pp. 2092–2102, ISSN: 2663-2187, Scopus Indexed / Q4. DOI: https://doi.org/10.33472/AFJBS.6.9.2024

Conferences:

1. An Extensive Review of Intelligent Deep Learning Based Anomaly Detection and Classification of 3D MRI Brain Imaging Data," 3rd International Conference on Sentiment Analysis and Deep Learning 13-14 March 2024, IEEE Xplore, July 2024.

2. Classification of Brain Tumor Images Using Segmentation and Transfer Learning," 5th International Conference on Mobile Computing and Sustainable Informatics, 18-19 Jan 2024, IEEE Xplore, Jan 2024.

3. Presented a paper on Intelligent System to Manage and Monitor Machine Health atCBIT, ETCTA-2021.
4. Presented a paper on Robust Deep Learning Approach for Brain tumor Classification and Detection at MGIT, ICASPACE-2021.
5. Presented a paper on Time Series Analysis of Stock Market Price Prediction using Deep Learning at National Conference on Recent Trends in Electrical Engineering, MGIT, RTEE-2020.
6. Presented a paper on Automated Test Tools Natir& Selenium-ICICSIT 2015 at MGIT.
7. Presented a paper on Cloud Security Issues in Virtualization and Containerization -ICICSIT-2015 at MGIT.
8. Presented a paper on Efficient and Secure Management of Log Records - ICICSIT-2015 at MGIT.
9. Presented a paper on Security In Cloud Through HomomorphicEncryption -ICICSIT-2015.
10. Presented a paper on Security in Cloud Computing through Symmetric Encryption, National Conference on Advancements & Innovations in Engineering & Management-2015.
11. Presented a paper on Collaborative Management of Resources in Cloud Computing -IJCCS-2015.
12. Presented a paper on Performance Analysis of Cache Based Web Search Engine -NCEITCS -2014 At Vasavi College of engineering.
13. Presented a paper on Blobseer with Version Pruning Module for Fast Retrieval of Historical Data -NCEITCS-2014 At Vasavi College of engineering.
14. Presented a paper on Cloud Progression Towards Data Integrity - NCEITCS-2014 At Vasavi college of engineering
15. Presented a paper on Collaborative Management of Resources in Cloud Computing -IJCCS-2015.
16. Presented a paper on Performance of Web Search Engine Using Different Levels of Cache - International Conference on Computer & Communication Technologies-2014.
17. Presented a paper on Adding Version Pruning Module in Blobseer International Conference on Computer & Communication Tech-2014.

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Patents:

1. Smart forest fire monitoring and rescue system using IOT Technology, patent no: 202541024099A, March 18th 2025, published.
2. Intelligent Lymphedema Management Smart Compression Garments Enhanced with Iot Sensors and Machine Learning, Patent No.202541013740A, March 7th 2025, published.
3. Real time signal generators for cellular jammer with dynamic switching off requencybands, patentNo:2021101590,5th May2021, Granted.
4. Embedded Wireless Sensor Based Sleep Monitoring System," National Publication, Published, 04 March 2024 – 08 March 2024, Publication ID: 202441015727A.
5. Application No. 2021101590, Title of the invention: "Real-Time Signal Generators for Cellular Jammer With dynamic Switching of Frequency Bands", published on: 05/05/2021.

Awards:

1. Received certificate of Appreciation as Top performing mentor from NPTEL- July 2021.
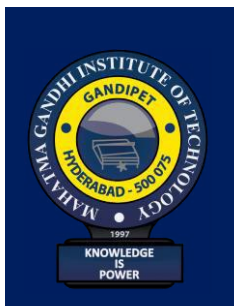
Events Organized:

Conferences:

1. OrganizingCommitteememberinICICSIT-2015

FDPs/STTPs:

1. Organized a One Week Online FDP on "Cyber Attacks and Digital Forensics" from 20th July to 24th July 2020 in association with Indian Servers.
2. Organized FDP on UI FLUTTER from 30th July - 2nd August 2024.

Refresher Courses/Workshops/Webinars/Seminars/Guest Lecture:
1. Organized Five Days Hands-on workshop on MERN Stack from 24th to 28th July 2023
2. Organized Two Days Online workshop on "Machine learning using python"from 17th & 18th September 2021 in association with Pantech e-Learning.
3. Organized guest lecture on "API Centric Approach To Application Development" on29th JUNE 2021.
4. Organized guest lecture on Introduction to NLP and Feature Engineering , 20th November 2021
5. Organizedguestlectureon"ExploreYourHorizon",23rdOctober2021
6. Organizedguestlectureon"SequelServerManagementServices",17thjuly 2021
7. Organizedguestlectureon"BasicsofMONGODBdatabase"on28thAugust 2021.
8. Organized a session on on "Career in Cyber Security" on 29th December 2021.
9. Organized One day Webinar on"Automation of software testing with open source tools" on 4th July 2020.
10. Organized OnedayWebinaron"fullstackdevelopment"on1stJuly 2020.
11. Organized Guest lecture on "Programming principles" t o Firstyear IT students on 08-05-2021.
12. Organized Guest lecture on "Career guidance" to First year IT studentson 20-03-2021.

13. Organized One day webinar on" Microsoft Azure Cloud Technology" organized by Department of Information Technology on 18-07-2021.

Events Attended:

FDPs/STTPs:

1. Attended Two-Week Faculty Development Program on "Transforming Education: Integrating OBE and NEP" organized by the Department of Electronics and Communication Engineering, CVR College of Engineering from 22nd July to 2nd August 2024.
2. Attended Four-Day Faculty Development Programme on "UI Flutter" organized by the Departments of CSE, ET, and IT, MGIT from 30th July to 2nd August 2024.
3. Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on "The Revolution of Large Language Models (LLMs) in Artificial Intelligence" organized by Vidya Jyothi Institute of Technology from 18th to 23rd November 2024.
4. Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Empowering the Next Generation of Entrepreneurs with Deep Learning and Cloud-Powered AI Technologies" organized by Sri Vasavi Engineering College, Hyderabad from 20th to 25th January 2025.
5. Attended One-Week Faculty Development Program on "Emerging Innovations and Challenges in Modern Data Analytics Applications" organized by the Department of Information Technology, Mahatma Gandhi Institute of Technology from 20th to 25th January 2025.
6. Attended Online FDP on "Deep Learning" organized by Skilldzire in collaboration with AICTE from 17th to 31st March 2025.
7. Completed NPTEL Online Certification on "Deep Learning" offered by IIT Kharagpur from January to April 2025.
8. Attended One-Week FDP on "Advancements in Battery Technology and Management for Sustainable E-Mobility" organized by the Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology from 16th to 20th June 2025.
9. Participated in the "All India Women Academicians Conference: Envisioning New Bharath" organized by Akhil Bhartiya Rashtriya Shaikshik Mahasangh (ABRSM) at Osmania University, Hyderabad on 21st September 2024.
10. Attended Five Days Online Faculty Development Programme (FDP) on "Trends in Technological Intelligence 2023 (T2I-2023)" organized by the Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT from 21st to 25th August 2023.
11. Attended One-week National Level Online Faculty Development Programme on "Recent Trends in Green Energy Initiatives and Soft Computing Techniques" organized by the Department of Electrical and Completed a 10-hour NFDP on "Deep Learning and Artificial Intelligence" organized by AP Skill Development Corporation (APSSDC) from 26th February to 1st March 2024.
12. Attended Five Days Online STTP on "Data Science for Business" organized by the Department of AI&DS, Vishwakarma Institute of Information Technology, Pune from 4th to 8th September 2023.
13. Electronics Engineering, Mahatma Gandhi Institute of Technology from 11th to 15th July 2023.
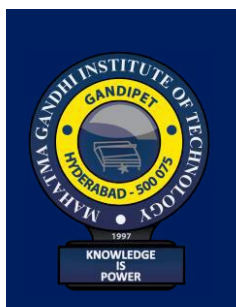
14. Completed Online Certification Course on "Cloud Computing" offered by NPTEL from January to April 2024.
15. Attended Webinar on "How to Write Effective Research Papers" organized by Anurag Engineering College, Kodad on 13th October 2022.
16. Participated in Workshop on "Research Conclave '22 – Exchanging Futuristic Ideas for Innovative Research" organized by VFSTR, Guntur from 8th to 9th July 2023.
17. Attended National Level FDP on "AWS" organized by SWEC and Brain'O'Vision from 22nd to 27th August 2022.
18. Attended ATAL FDP on "A Holistic Approach for Sustainable and Smart Agriculture using AI and Deep Learning Techniques" organized by KLU, Hyderabad from 5th to 16th September 2022.
19. Attended FDP on "Recent Trends in Wireless Communications" organized by MGIT from 20th to 22nd October 2022.
20. Attended FDP on "ETL – Data Warehousing Tools" organized by G. Pulla Reddy Engineering College from 31st October to 4th November 2022.
21. Attended FDP on "DL App Dev Tools & Research" organized by VIIT, Pune from 28th February to 4th March 2023.
22. Attended FDP on "Recent Trends in Data Science for Engineering" organized by CBIT IEEE-RAS Student Chapter from 26th to 30th June 2023.
23. Completed Online Certification on "Introduction to Machine Learning" offered by NPTEL from 15th July to 13th September 2022.
24. Attended FDP on "Smart Tools and Methodologies for Academic Research" organized by MGIT from 1st to 5th August 2022.
25. Attended 1 week FDP on Research Areas in Artificial Intelligence & Machine Learning with Case Studies organized by GRIET, $14t^h$-20th June 2021.
26. Attended 1-Week ATAL-FDP on "Introductory Data Science and Deep Learning "Organized by IIIT, Raipur, 16th to 20th July, 2021
27. 5 day International STTP "Blockchain for Digital transformation "Organized by CSE Department, CBIT(A),12thto16thAugust,2021
28. One Week STTP "Data Science & Big Data Analytics "Organized by INDOGLOBAL College of Engineering, abhipur, new chandigarh, 30th August to 4th September, 2021
29. 1 week ATAL FDP on "Recent Trends & Challenges in Image Processing And Computer Vision "Organized by USICT Guru Gobind Singh IP University, 29th November to 3rd December, 2021
30. Attended 5 day STTP on "Emotional intelligence using AI,ML&Python" organized by my project in association .
31. Attended AICTE MARGDARSHAN FDP on Art of Writing Papers and Research Methodologies from07th – 13th May 2020 organized byGRIET
32. Attended3DayFDPonINTERNETOFTHINGSfrom5th-7thMay2020 organized by St.Martins Engineering College.
33. Attended 1 week FDP on PHP & MySQL from 18th-23rd May 2020 organized by JNTU JAGTIAL.
34. Attended 1 week FDP on LATEX organized by Sanjay Ghodawat University, Kolhapur in association with Spoken Tutorial Project, IIT-Bombay from 27th April to 2nd May 2020.
35. Attended A Five day FDP on IPR Awareness and Patent Prosecution at CMR engineering college from 6th-10th May, 2020.
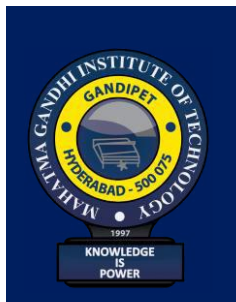
36. Attended One Week Faculty Development Programmeon"ICT TOOLS"in association with STP - IIT Bombay from 11th - 16th May, 2020.
37. Attended One week AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" from 26-05-2020 to 30-05-2020 organized by JAWAHARLAL NEHRU UNIVERSITY, New Delhi.
38. Attended One week AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 31-05-2020 to 04-06-2020 organized by JAWAHARLAL NEHRU UNIVERSITY, New Delhi.
39. Attended Two day online FDP on "effective technical report writing using Latex" from8th-9thJune 2020 organized by Mahatma Gandhi Institute of Technology.
40. Attended One week FDP on ruby & perl programming from 3rd to 8th June 2020 organized by St. Martins Engg College in association with IIT Bombay.
41. Attended One week FDP on "Block chain Security and Smart Contracts" organized by Departments of IT &CSE under AICTE MARGDARSHAN during 15th - 20th June, 2020.
42. Attended One week FDP on Introduction to networks CCNA from 22nd to 27th June 2020 organized by Mahatma Gandhi Institute of Technology.
43. Attended One Week online FDP on" DATA SCIENCE BEHIND NATURAL LANGUAGE PROCESSING" from 6th July to 10th July 2020, Organized by Department of IT, Kakatiya Institute of Technology& Science Warangal.
44. Attended One Week National Level Online FDP on "Cyber Security" From 7th July to 12th July 2020, Organized by Department of MCA, CBIT (A) and Dept. Of CSE, MGIT in association with Supraja Technologies.
45. Attended 15 days FDP on Data Science & Its Applications in STEM from 7th to 21st September organized by Andhra university College Of Engineering and JNTUK, Kakinada in association with APSCHE.
46. Attended One Week STTP on "Advanced Deep Learning Techniques with Python" from 31st august-5th September organized by Anurag group of institutions.
47. One week AICTE Training And Learning (ATAL) Academy Online FDP on"cybersecurity"from5thto10thOctoberorganizedbyGECnew Delhi.
48. One week AICTE Training And Learning (ATAL) Academy Online FDP on "Augmented/Virtual reality" from 26th to 30th October organized by CBIT.
49. Completed One week online refresher program on "programming in IOT" from 23rd to 28th November, JNTUH Jagtial.

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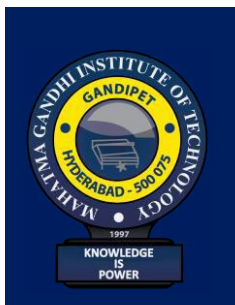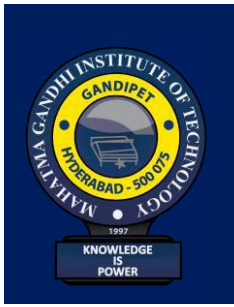- Patents–5
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RefresherCourses/Workshops/Webinars/Seminars/GuestLecture:

1. Attended One week workshop on "IoT Fundamentals: Connecting Things" from 8th to 12th July, 2019 organized by IT, MGIT in association with CISCO Networking Academy.
2. Attended AICTE-ISTE Refresher Program, "IOT & Machine Learning" Organized by JNTUA,3rd to 9th December,2021
3. Participated One week National Level FDP on Machine Learning Through Mathematical Modelling Supported with Python & R-Soft, organized by Departments of M&H , CSE, IT of MGIT 2nd-7th July 2018
4. Participated empowerment coaching for facilitators including 48 hours of class room earning, guided practice under expert supervision spread over 8 weeks.
5. Participated in One week FDP on Applied Machine Learningusing Python organized by CSE Dept., in association with Pantech ProEd Pvt. Ltd. MGIT 18th-23rd December 2017
6. Participated in One week National FDP on Data Analytics using R Sponsored by TEQIP –II Organized by IT Dept., CBIT 20th – 25th March 2017
7. Participated in Two-Week FDP on Research Trends in Digital Image & Video Processing organized by ECE Dept., MGIT 4th -16th December 2017.
8. Attended One Week Faculty Development Programme on Internet of Things with Raspberry PI & Network Simulator (NS-2)on 17th to 21stOctober, 2016 at IT Department, MGIT.
9. Attended A Two Day Workshop on Intelligence and Security Informatics during 24th&25th July, 2015 at CBIT.
10. Attended FDP on Project Management from an Industry Perspective held on 8 March, 2015 at MGIT attended a National Level Workshop on Next Generation Devices and Computing during 28th&29th November, 2014 at CBIT.
11. Attended FDP on Introduction to Service Oriented Architecture and Cloud Computing held on 15th November, 2014 at MGIT.
12. Attended a Two day Workshop on Cloud Computing from 7th to 8th September, 2016 at MGIT
13. Attended a two day workshop on Cloud computing from 25th to 29th NOV,2013 at MRECW.
14. Attended one day workshop Exploring Internet on 18th Feb, 2014 at MGIT.
15. Attended Socio-effectiveness of Women-WOWFACTOR geld on 8th and 10th March 2014 organized by Ashna-Women's cell at MGIT.
16. Attended Project management from Industry perspective held on 8th Mar, 2014 at MGIT.
17. Participated UGC Sponsored Refresher Course on Strategies for Research Oriented Teaching from 19th MAY to 7th June, 2014 at JNTUH.
18. Attended FDP on Project Management from an Industry Perspective held on 08 March, 2015 at MGIT.
19. Attended One week FDP on Image Processing and its Applications from15th to 19th December 2014 conducted by CSE at MGIT.
20. Attended a National Level Workshop on Next Generation Devices and Computing during 28th& 29th November, 2014 at CBIT.
21. Attended FDP on Introduction to Service Oriented Architecture and Cloud Computing held on 15th November, 2014.

22. Faculty Development Program on Mobile Applications Development & Testing Methodologies From 6 – 8 Aug.'12 at MGIT, Hyderabad. Participated UGC Sponsored Orientation Course from 10th June–6th July'13 at JNTU, Hyderabad.
24. Attended a Two Day Workshop on Android Application Development on 22nd & 23rd July, 2016 by Pantech Pro. at IT.

Online Certifications:

1. Completed Certification on "Introduction to Data Analytics for Business" Certified by Coursera.
2. Completed Certification on "AI for everyone "Certified by Coursera.
3. CompletedCertificationon"CybersecurityandInternetofthings"Certified by Coursera.
4. Completed Certification on "Programming For Everybody " Certified by Coursera.
5. Completed Certification on "AWS Fundamentals: Building Server less Applications " Certified by Coursera.
6. Completed Certification on " Introduction to Data Analytics for Business" Certified by Coursera
7. Completed Certification on "Neural networks and deep learning "Certified by Coursera.
8. Completed NPTEL Online certification on "Fundamentals Of Artificial Intelligence".
9. Completed NPTEL Online certification on "Computer Networks and Internet Protocol".
10. Completed NPTEL Online certification on "Software Project Management".
11. Completed NPTEL Online certification on "Cryptography and Network Security".

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