

Dr. D. Deepika

Assistant Professor



Education Qualifications: Doctor of Philosophy(Computer Science)
Specialization: Computer Science and Engineering

ADDRESS:

- D – Block -Room No –D 003A

JNTUH ID:

52150404-211436

EMAIL:

ddeepika_cse@mgit.ac.in

DATE OF JOINING:

18-06-2005

EXPERIENCE - 20 Years

- Teaching - 20

SUMMARY:

- Publications - 24
- Conferences – 4
- Patents - 1
- Honors/Awards - 4

EVENTS:

- Organized - 7
- Attended - 30

Membership of Professional Bodies:

1. Life Member of Indian Society for Technical Education(ISTE) LM128766
2. Life Member of International Association of Engineers (IAENG) 276660
3. Yearly Membership of Association for Computing Machinery(ACM)
4. Life Member of AI-ML Innovative Entrepreneurs and Engineers Association (AMIEE) AMI/24/0648

Responsibilities Held at Institution Level:

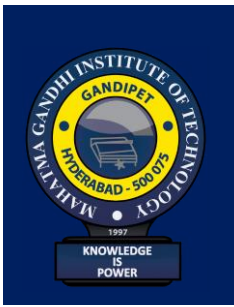
1. Member of NewsLetter Committee
2. Nirvana committee member
3. Anti- Ragging Committee Member

Responsibilities Held at Department Level:

1. ET Department Library In charge
2. Department NewsLetter Incharge
3. In charge of Faculty Data of the Department
4. RTP coordinator for IV Sem CSD AY 2023-24
5. IOMP coordinator for VI Sem CSM AY 2024-25
6. Project coordinator for VII Sem CSM AY 2025-26
7. File Incharge for FDPs, Workshops organized for students and Faculty(Events organized by ET Department)
8. BoS (CSD) member

Honors/Awards Received:

1. Telangana State Best Teacher Award 2024 , in Honor of Savitribhai Phule, the first lady Teacher of India awarded to D.Deepika on 22nd September 2024.
2. Digital Skills Readiness Program- Wipro Certified Faculty Certificate awarded for successfully clearing the TalentNext certification assessment and is recognized as a mentor for project-based learning (PBL) in Java Full Stack February 2024.
3. Secured Best Paper Award in National E-Conference on “Recent Trends in Computer Engineering & Applications(NCRTCEA-2020)” for the paper Travel Time Optimization using Machine Learning during May 24th 2020 held at Jagadambha College of Engineering & Technology, yavatmal, Maharashtra.
4. Received Guinness World Records Participation certificate for taking an online computer programming lesson in 24 hours organized by GUVI Geek Network Pvt. Lmt & AICTE-India, NEAT



Courses Handled at Under Graduate /Post Graduate Level:

- UG: DevOps and its Applications, Elements of Data Science, Java Programming, OOP through Java, Data Mining, Computer Graphics, Web Technologies, Mathematical Foundations of Computer Science, Programming for Problem Solving, Information Security, IT workshop, Python Programming Lab
- PG: Data Warehousing and Data Mining, Network Programming, Information Security and Management

Publications:

1. Vivek Singh Kushwah, M. Lakshmi Narasimha Charyulu, M. Ramana Reddy, P. Narahari Sastry, A. Krishna Kumar, and D. Deepika, International Journal, SCI, "Design and investigation of a polarization convertor loaded MIMO graphene-silicon DRA in the THz domain with enhanced isolation" Applied Optics, Vol. 64, Issue 23, pp. 6727-6732, (August 2025) <https://doi.org/10.1364/AO.570452>.
2. D. Deepika, G. Rekha, "Multi-class mental Task Classification based Brain-Computer Interface using Improved Remora depthwise convolutional adaptive neuro-fuzzy inference network model", Journal of Neuroscience Methods, vol. 423, <https://doi.org/10.1016/j.jneumeth.2025.110536>, July 2025, SCI Indexed.
3. D.Deepika, Gaddam Srikanth, Gadide Nithin published a paper titled "Crime Rate Prediction Using Machine Learning" in International Journal of Progressive Research in Engineering Management and Science (IJPREAMS) – Peer Reviewed Journal, Vol. 05, Issue 05, May 2025, pp : 197-203, e-ISSN : 2583-1062 Impact Factor :7.001
4. K.Ram Narayan Reddy, Ms.D.Deepika published a paper titled "Depth Anything V2- Monocular Depth Estimation" in International Journal of Research Publication and Reviews, Vol (6), Issue (5), May (2025) Page – 4220-4227.
5. Sanala Vaishnavi, D.Deepika published a paper titled "Decentralized voting system using Blockchain" in Journal Publication of International Research for Engineering and Management, Volume: 05 Issue: 05 | May-2025.
6. Geethanjali Reddy M, D.Deepika published paper titled "AWS-Powered smart DNA classification for E. Coli Detection" in International Journal of Scientific Research in Engineering & Management", Volume 09, Issue 05, May 2025 ISSN : 2582-3930, Impact Factor: 8.586
7. D. Deepika, G. Rekha, "A hybrid capsule attention-based convolutional bi-GRU method for multi-class mental task classification based brain-computer interface", Computer Methods in Biomechanics and Biomedical Engineering", vol.28, issue.1, <https://doi.org/10.1080/10255842.2024.2410221>, September 2024, SCI indexed.
8. M. Rama Bai, D.Deepika, Siddharth Aelpula, Gandam Revan, "Enhancing Neural Style Transfer through Integration with Machine Learning Operations Principles", International Journal of Advanced Research in Computer and Communication Engineering. Vol.13, Issue 5, May2024, Impact Factor 8.102, ISSN 2278-1021. DOI: 10.17148/IJARCC.2024.13550, Peer- reviewed Refereed journal.
9. D. Deepika, G. Rekha, "Highly accurate EEG signal classification using Multiple feature extraction and LSTM networks", Journal of Biomedical Photonics & Engineering, Vol.10, Issue.1, doi: 10.18287/JBPE24.10.010304, March 2024, Scopus Indexed.
10. Tejaswini Nakirekant D.Deepika, "Attention Based Image Captioning using Deep learning", International Journal of Innovative Research in Advanced Engineering (IJIRAE) Volume 8 Issue 12- December 2021 ISSN: 2349-2163
11. D.Deepika, M.Keerthi Reddy, "Analysis and Prediction of Covid-19 in India", IJSART Volume 7 Issue 6- 2021 ISSN(ONLINE):2395-1052
12. D.Deepika,Nihal Chandra, "Customer Churn Prediction using Machine Learning" International Journal of Future Generation Communication and Networking Vol.14,No.1, 2021 pp. 1482-1495
13. A,Krishna Kumar, D.Deepika, "Automated Monitoring of Crop Type Statistics,

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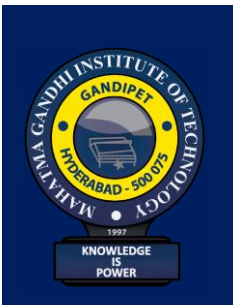
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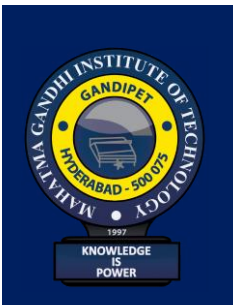
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- using image Classification” International Journal of Software & Hardware Research in Engineering ISSN:2347-4890, Volume 9 Issue 4 2021
14. S.Karthik, D.Deepika “Image Super Resolution and Automatic Colourization”, International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 05 | May 2020 e-ISSN:2395-0056 p-ISSN:2395-0072
15. P.Prashanti, D.Deepika “Travel Time Optimization Using Machine Learning”, International Journal of Computer Engineering and Applications, Volume IV, Issue I & II, May2020
16. A.Krishna Kumar, D.Deepika “Mathametical Modelling of Full Adder using Carbon Nanorods”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-7, May 2020 ISSN: 2278-3075
17. D.Deepika,A.Krishna Kumar,Monelli Ayyavaraiah,Shoban Babu Sriramoju “Phases of Developing Artificial Intelligence and Proposed Conversational Agent Architecture”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-12, October 2019 ISSN: 2278-3075 (Scopus)
18. A.Krishna Kumar, G.Ashritha, D.Deepika “Design of Vending Machine using Verilog HDL”, Journal of Emerging Technologies and Innovative Research (JETIR), Volume-5 Issue-7, July 2018 ISSN: 2349-5162
19. D.Deepika, A.Krishna Kumar, K.Swetha Reddy, K.Shiva Adithya “Finger Vein Authentication using Biometric Graph Method”, International Journal of Research (IJR), Volume-4 Issue-14, November 2017 ISSN: 2348-6848
20. D.Deepika, D.Satya Bhavani, D.Ashritha, D.Hemanth Kumar Reddy “Imbalanced Datasets”, International Journal of Current Research (IJCR), Volume-7 Issue-4, pp.15031-15033 April 2015 ISSN: 0975-833X
21. D.Deepika, B.Lavanya, G.Mounika, “A Framework for Empirical Evaluation of Classifier Security”, International Journal of Industrial Electrical, Electronics, Control and Robotics (IJIEECR), Volume-3 Issue-5, pp.1356-1363, April 2015 ISSN: 0913-6387
22. N.Pavan Kumar, D.Deepika “A Competent System for Supporting Quality of Service in Wireless Systems”, International Journal of Reviews on Recent Electronics and Computer Science (IJRRECS), Volume-2 Issue-8, pp.3046-3050 August 2014 ISSN: 2321-5461
23. Sitarami Reddy Polimera, D.Deepika “Confidential Data Recovery for a Single Database through Invariable Communication Rate”, International Journal of Reviews on Recent Electronics and Computer Science (IJRRECS), Volume-1 Issue-6, pp.1070-1074 October 2013 ISSN: 2321-5461
24. Deepika Rani K, D.S Bhavani, K.Ravi Kishore, D.Deepika “Data Transmission using TCP, GZIP & TINY Algorithms”, International Journal of Engineering Research and Applications (IJERA), Volume-2 Issue-1, pp.672-677, Jan-Feb 2012 ISSN: 2248-9622

Conferences:

1. A,Krishna Kumar, D. Deepika, V. Ramakrishna “ Design of Smart Fertilizer Chain System From Factory to Farmer” 19th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)-IEEE xplore.
2. D. Deepika, Dr. G.Rekha “Review of Methods of EEG Signal Classification Based Computer Brain Interface Techniques” 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) DOI 10.1109/ICACITE53722.2022 28-29 April 2022 - IEEE xplore.
3. A. Sangeetha, D.Deepika “A Survey on Information Security for Association Rule Mining in Large Databases” National Conference on Information Security (NCIS-2015) ISBN: 978-93-85100-32-1
4. D.Deepika, P.Prashanti “Travel Time Optimization using Machine Learning” National E-conference on “Recent Trends in Computer Engineering & Application’s” (NCRTCEA-2020) held at Jagadambha College of Engineering & Technology, Yavatmal, Maharashtra, India.



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Patents:

1. Published a patent on “Dynamic Task-Aware Ensemble Learning (D-TEL): A real-Time Adaptive Ensemble Learning Algorithm for Multi-Class Brain-Computer Interfaces” Application No.202441100458.

Events Organized:

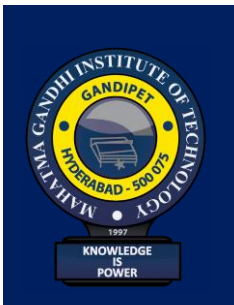
Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. Faculty Coordinator for “HackSavvy-25” , 24 Hrs National level Hackathon on 26th March 2025.
2. Organized Student & Faculty Developemnt Program on Tableau organized by MGIT in collaboration with ExcelR from 13 th to 15 th July 2023.
3. Acted as a mentor for Tech4All Training Program organized by Cognizant Foundation from 8 th sep to 27 th sep 2023
4. Organized One-week National level workshop on “Azure Serverless Computing” in association with Wilma Technologies from 10-08-2020 to 14-08-2020.
5. Organized Webinar on “Brain Computer Interface” on 12-07-2020
6. Convener of QUBIT 2015- A National level technical symposium organized by Department of CSE on 13th and 14th March 2015.
7. Convener of “Workshop on Firefox Mobile OS APP Development” organized by Department of CSE in collaboration with E-Swecha on 2nd and 3rd March 2015.

Events Attended

FDPs/STTPs:

1. Participated in the training program on AI &ML conducted by TalentNext Wipro from 17 th June to 21 st June 2024.
2. Participated in the training program in Java Full Stack conducted by TalentNext Wipro from 27 th Nov 2023 to 15 th Dec 2023.
3. Successfully completed One Week National level Faculty Development Program on “DevOps and It’s Applications” during 5 th Feb to 10 th Feb 2024 at MGIT in collaboration with Brainovision Solutions India Pvt. Ltd.
4. Participaed in One week National level FDP on “Full Stack Development” organized by the Dept of CSE,IT&ET in association with Edcults Consulting pvt. Ltd, Bangalore, held during 08-07-2024 to 13-07-2024.
5. Completed One week FDP on DevOps held by Department of Computer Applications in association with Indian Society for Technical Education at BMS College of Engineering from 29-07-2024 to 03-08-2024.
6. Participated in the 5 days FDP on “ETL-KAFKA” organized by the Department of Emerging Technologies in association with QuantumNique Solutions during 06-08-2024 to 10-08-2024.
7. Participated in “Zonal Research Scholars Conclave: Research for Radiant Bharath” organized by SHODH Telangana during 08-11-2024 and 09-11-2024 at JNYU, Hyderabad.
8. Participated in the AICTE recognized FDP on “ICT Tools for Smart Educators” organized by National Institute of Technical Teachers Training and Research, Chandigarh, Ministry of Education, Government of India, during 27-01-2025 to 31-01-2025 (One Week).
9. Participated in the AICTE recognized FDP on “IoT and Data Analysis of Sensor Data” organized by National Institute of Technical Teachers Training and Research, Chandigarh, Ministry of Education, Government of India in collaboration with CBIT, during 03-03-2025 to 07-03-2025 (One Week).
10. Successfully completed 6-Day FDP on “Revolutionizing Education with Generative AI: Teaching and Learning Stategies” during 10-03-2025 to 15-03-2025 Organized by Narasaraopeta Engineering College in collaboration with



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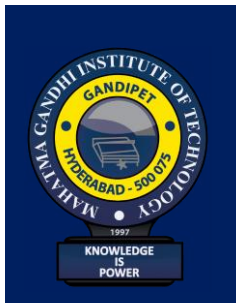
- Organized - 7
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Blackbucks Group.

11. Participated in the AICTE recognized FDP on “AI and Cloud based Tools for Research” organized by National Institute of Technical Teachers Training and Research, Chandigarh, Ministry of Education, Government of India in collaboration with CBIT, during 24-03-2025 to 28-03-2025 (One Week).
12. Successfully completed the online FDP on “Deep Learning” Organized by SkillDzire in collaboration with AICTE, during 17-03-2025 to 31-03-2025.
13. Participated in a 1 day “All India Women Academicians Conference Envisioning New Bharath” organized by ABRSM, ICSSR on 21-09-2024 at OU, Hyderabad.
14. Six-Week Technology based Entrepreneurship Development Programme on Deep Learning Organized by Sumathi Reddy Institute of Technology for Women sponsored by DST, Government of India from 15th Feb 2021 to 27th Mar 2021.
15. One –week workshop on Yoga – A Science of Breath and Meditation for Subtle Energy Channeling from 06th July 2020 to 10th July 2020 Organized by MGIT in association with Datta Kriya Yoga International Center.
16. One-week ATAL FDP on Data Sciences from 11th May 2020 to 15th May 2020 organized by NIT Nagaland.
17. One-week FDP on R Programming from 27th April 2020 to 01st May 2020 organized by Indo Global Group of Colleges, New Chandigarh in association with IIT Bombay Spoken Tutorial.
18. One-week FDP on IoT Fundamentals:Connecting Things from 08th to 12th July 2019 organized by MGIT.
19. One week National Level FDP on “Machine Learning through Mathematical Modeling supported with Python & R-Soft”, organized by Departments of M&H,CSE&IT of MGIT in collaboration with E&ICT Academy, NIT, Warangal from 2nd to 7th July 2018.
20. One-week FDP on “IoT Development and Analytics” from 12th to 17th March 2018 organized by Department of CSE in association with SmartBridge Educational Services, Hyd.
21. One-week FDP on “Applied Machine Learning using Python” organized by Department of CSE in association with Pantech ProEd Pvt. Ltd. From 18th to 23rd December 2017.
22. AICTE Sponsored Two-week FDP on “Research Trends in Digital Image & Video Processing” organized by Department of ECE,MGIT from 4th to 16th December 2017.
23. One-week National Level FDP on “Emerging Trends, Issues and Challenges in Big Data & Cloud Computing” sponsored by TEQIP-II during 20th to 25th February 2017 by Department of CSE,CBIT.
24. One-week FDP on “Image Processing and its Applications” conducted by Department of CSE, MGIT from 15th to 19th December 2014.
25. Two-week FDP in Entrepreneurship from 22nd April to 4th May 2013 organized by Entrepreneurship Development Cell, MGIT(Funded by AICTE).
26. Two-week Faculty Updation Training on “Linux Driver Development” organized by C-DAC, Hyderabad in collaboration with JNTUH as a part of PREPARE FUTURE project, HRD Division, Dept. of IT, Government of India from 17th May to 28th May 2010.

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. One –week workshop on Yoga – A Science of Breath and Meditation for Subtle Energy Channeling from 06th July 2020 to 10th July 2020 Organized by MGIT in association with Datta Kriya Yoga International Center.
2. One –week workshop on Yoga – A Science of Breath and Meditation for Subtle Energy Channeling from 06th July 2020 to 10th July 2020 Organized by MGIT in association with Datta Kriya Yoga International Center.
3. UGC – Academic Staff College, JNTUH Sponsored Refresher course on “The current Technology Trends in Information Technology” from 9th to 28th June 2014.



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4. UGC – Academic Staff College, Osmania University sponsored Orientation from 3rd June to 1st July 2013.

Online Certifications:

1. Successfully completed NPTEL course on “Fundamentals fo Object Oriented Programming” – April 2025 (12 Weeks Course).
2. Successfully completed the NPTEL 4 credit course on “Programming in Python” December 2024 (12 Weeks course)
3. NPTEL Online certification on “Computer Networks” from 08th August to 31st October, 2019 (12 Weeks) offered by Mr. Anand More of Devi Ahilya Vishwavidyalaya, Indore.
4. NPTEL Online certification on “Problem Solving through Programming in C”, Jan-Apr- 2020(12 Weeks) IIT Kharagpur
5. Course completed on “Introduction to IoT” by Cisco Networking Academy.
6. Coursera course on Programming for Everybody (Getting Started with Python)- University of Michigan
7. Coursera course on AI for Everyone - deeplearning.ai
8. Coursera course on Introduction to Data Analytics -IBM
9. Online course on Fundamentals of Convolution Neural Network(CNN) – Udemy
10. Online Course on Brain Computer Interface – Udemy
11. OER course on “Foundations to Open Education and OERs repositories” - UNED Abierta OER(Open Education Repositories)

Any Other Contribution:

1. Life Membership in Indian Red Cross Society.
2. Mentored the team MIND SPARK in Internal Hackathon for Smart India Hackathon 2020 on 21st January 2020 at MGIT, Hyderabad.
3. Participated in various Social Responsibility Activities