

Mrs. N. Musrat Sultana

Assistant Professor



Education Qualifications: M.Tech (CSE), (P.hD)
Specialization : Computer Science Engineering

ADDRESS:

- D – Block -Room No. D207

JNTUH ID:

83150402-233455

EMAIL:

musratsultana_cse@mgit.ac.in

DATE OF JOINING:

08-03-2008

EXPERIENCE - 18 Years

- Teaching - 18

SUMMARY:

- Publications - 20
- Conferences - 5
- Patents – 3

EVENTS:

- Organized - 4
- Attended - 33

Membership of Professional Bodies:

1. Life time member for ISTE: LM95874.
2. IAENG membership no- 277084.

Responsibilities Held at Department Level:

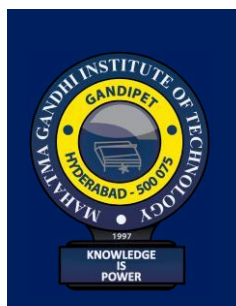
1. Time Table In charge from 2021.
2. Member of Disciplinary Committee.
3. Department Library Incharge.
4. Students Achievements of Gold Medals, Silver Medals, Certificate of Appreciation.

Courses Handled at Under Graduate /Post Graduate Level:

1. **UG:** Computer Networks, Cryptography and network Security, Cyber Security, OOPS through java/java programming, Data communication and computer networks, Programming for problem solving/ C programming, Database Management Systems, Web Services, Operating Systems.

Publications:

1. N. Musrat Sultana, K. Srinivas, "Data Privacy Protection in Cloud Computing Using Visual Cryptography", Multimedia Tools and Applications, Vol 84, ISSN: 1380-7501, Year 2024, Pages: 23577 – 23579.
2. N. Musrat Sultana, K. Srinivas, "Survey on Centric Data Protection Method for Cloud Storage Application", IEEE Xplore, ISBN: 978-1-6654-2040-2, Year 2021.
3. K. Shirisha, N. Musrat Sultana, "Speech Enhancement using Convolutional Neural Networks", Design Engineering, Vol 2021, ISSN: 0011-9342, Year 2021 Issue: 9, Pages: 16753 – 16758.
4. N. Musrat Sultana, "Survey on Centric Data Protection Method for Cloud Storage Application", IEEE Transactions, 2021 International Conference on Computational Intelligence and Computing Applications (ICCICA), 978-1-6654-2040-2/21©2021 IEEE | DOI: 10.1109/ICCICA52458.2021.9697235
5. N. Musrat Sultana, Janipella Kiran, "An Ingrained System for Pedestrian Detection in Scotopic Vision", International Journal of Innovative Research in Science, Engineering and Technology, Volume 10, Issue 6, June 2021, Page No: 8292-8301.
6. Ms. N Musrat Sultana, Mr. Juturi Rama Krishna, "Detection of Eye Diseases (Glaucoma & ARMD)" Journal of Science and Technology ISSN: 2456-5660 Volume 06, Issue 03, May-June 2021, Page No: 155-168.
7. Ms. N Musrat Sultana, Gousiya Begum, J Bhargavi, "Image to Text Conversion using Computer Vision", The International journal of analytical and experimental modal analysis, Volume XIII, Issue IV, April/2021, ISSN NO:0886-9367, Page No: 726-730.
8. Sai Tanmayee, N Musrat Sultana, S Vijaya Lakshmi, "Machine Learning Approach for DDoS Detection", Vol XIII, Issue V, May 2020, ISSN : 0731-6755, Page No: 264-270.



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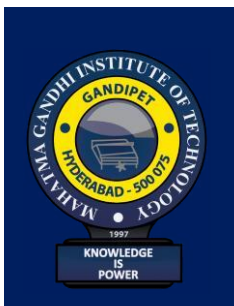
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9. S. Vijaya Lakshmi, N. Musrat Sultana, “Security Analysis and Improvements of Access Control in the Internet of Things”, Turkish Journal of Computer and Mathematics Education, Vol.12 No.9 (2021), Page No: 1557-1567.
10. N. Musrat Sultana, K. Shirisha, S. Vijaya Lakshmi, “A Competent Model for Security and Privacy in IoT using Fog Computing”, TEST Engineering Management, Vol. 82: Jan/Feb 2020, page no. 8264-8271.
11. G.Nandini, Gousiya Begum, N Musrat Sultana, “Key Aggregate Cryptosystem for scalable data sharing by cipher text data in the cloud”, JAC: Journal of Composition Theory, Volume XIII, Issue V, MAY 2020, Page No:258-263.
12. N. Musrat Sultana, A.Swapna, K. Sudha Rani, P. Bhargavi, “Improving Data Security and Efficiency Based on Image Stenography and Obfuscation”, International Journal of Research (UGC), Volume 9, Issue 5, May/2019, ISSN NO: 2236-6124.
13. N. Musrat Sultana, K. Shirisha, S. Vijaya Lakshmi, Gousiya begum, “Structure Blocks for a Strong Ecosystem for Establishing End to End IOT Options”, International Journal of Advanced Science and Technology, Vol.29, No.02, January 2020, pp.53-60.
14. N. Musrat Sultana, G.Sanjanan “Voice Based Email Systems for Blinds in Python”, International Journal for Scientific Research & Development Vol. 8, Issue 3, 2020, Page No: 637-642.
15. K.G.Kedarnath, M.Sowmya, N. Musrat Sultana, K.Shirisha, “Scalable Data Sharing in Cloud Storage by Using Key-Aggregate Cryptosystem”, International Journal & Magazine of Engineering, Technology, Management and Research, Volume No: 2 (2015), Issue No: 5 (May), ISSN No: 2348-4845, Page No: 106-109.
16. Ms. N Musrat Sultana, Gousiya Begum, S. Vijaya Lakshmi, K. Shirisha, “Effective Routing in P2P Networks with Security Deliberations”, International Journal of P2P Network Trends and Technology- Volume 3 Issue 2 March to April 2014, ISSN: 2249-2615.
17. Ms. N Musrat Sultana, Gousiya Begum, “Concept Based Mining Model for Text Clustering”, International Journal of Advanced Trends in Computer Science and Engineering, Vol.2 , No.1, Pages : 154-158 (2013), ISSN 2278-3091, Page No: 154-158.
18. K. Shirisha, S. Vijaya Lakshmi, N. Musrat Sultana, “Methodological approach for Face Recognition Using Artificial Neural Networks”, International Journal of Computer Trends and Technology (IJCTT) – volume 4 Issue 5 –May 2013, ISSN: 2231-2803, Page No: 1164-1170.
19. N. Musrat Sultana, S. Shanawaz Basha, “Secure Routing in Wireless Sensor Networks using WEAP Protocol”, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, Vol. 3, Issue 3, May-Jun 2013, pp.349-355.
20. N. Musrat Sultana, S. Shanawaz Basha, “Spectral Minutiae Fingerprint Recognition System”, Special Issue of IJCCT, ISSN (ONLINE): 2231-0371, ISSN (PRINT): 0975-7449, Volume- 3, Issue-1, Page No: 39-44.



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Conferences:

1. International Conference on Computational Intelligence & Computing Applications (IEEE-ICCICA -21) held on 26-11-2021 to 27-11-2021 organized by G H Raison College of Engineering, Nagpur, INDIA. IEEE Conference Record No: 52458.
2. International e-Conference on “Advanced Innovation in Technologies”, organized by Arifa Institute of Technology, Esanoor, Keezhaiyur Post, Thirukkuvalai Taluk, Nagapattinam-Dt, Tamilnadu, India.
3. International Conference on Computing Communication and Electrical Technologies (ICCET-2019 29th - 30th August 2019 G. Narayanamma Institute of Technology and Science for Women, Hyderabad, Telangana.
4. International Conference on Advances in Computer Science and Engineering, January 7 - 8, 2013. Lords Institute of Engineering and Technology, Hyderabad.
5. National Conference on Research Trends in Computer Science and Technology on 27-28 January, 2012.

Patents:

1. N. Musrat Sultana, “Dynamic Cloud Storage Architecture with Integrated Compression and Encryption for Enhanced Performance”, 14-02-2025, Patent Number: 202541009361.
2. N. Musrat Sultana, “An Image Processing System for Touch Display Product, Storage Medium & Electronic Device”, 12-11-2021, Patent Number: 202131049863 A.
3. N. Musrat Sultana, “Intelligent Hearing Aid System using Augmented Audio Reality”, 2021-05-13, Patent Number: AU2021101495A4.

Events Organized:

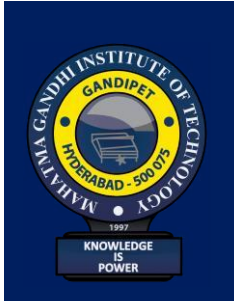
FDPs/STTPs:

1. One Week National Level Online Workshop on "Azure Server less Computing".
2. Hands-on free workshop on Python.
3. QUBIT-2020
4. National Level Faculty Development Programme on “UI FLUTTER”, 30-7-2025 to 02-08-2024.

Events Attended:

FDPs/STTPs:

1. FDP on “The Role of Linear Algebra in Machine Learning, Artificial Intelligence & Data Science”, organized by the Departments of Mathematics and Humanities, Computer Science Engineering and Information Technology, Mahatma Gandhi Institute of Technology, Hyderabad held from 29th November, 2021 to 3rd December 2021.
2. STTP on “Blockchain for Digital Transformation” held virtually during 12 – 16 August, 2021, organized by Department of CSE, CBIT(A), Hyderabad, Telangana, INDIA.
3. ATAL FDP on "Introductory Data Science and Deep Learning" from 16/07/2021 to 20/07/2021 at International Institute of Information Technology - Naya Raipur.
4. FDP on “Cyber Security” from 01-07-2021 to 03-07-2021 organized by School of Computer Science & Artificial Intelligence at SR University, Warangal.
5. FDP on Practical Exposure on Machine Learning and Data Science, from 26-04-2021 to 01-05-2021 held at Department of Electronics and Communication Engineering, GPREC (A), Kurnool.



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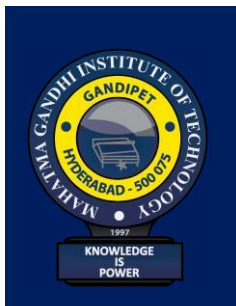
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6. Outcome Based Education and NBA accreditation for Tier II colleges, from 29-03-2021 to 03-04-2021 organized by S.R.K.R Engineering College.
7. FDP on Block Chain and its Applications, from 22-03-2021 to 27-03-2021 organized by Sri Devi Womens College of Engineering and Technology.
8. FDP on Technology based Entrepreneurship Development Programme, from 15-02-2021 to 27-03-2021 organized by Sumathi Reddy Institute of Technology for Women.
9. ATAL FDP on Artificial Intelligence, from 01-02-2021 to 05-02-2021 Organized by G. Pulla Reddy Engineering College.
10. ATAL FDP on Data Science, from 22-02-2021 to 26-02-2021 Organized by University College of engineering, Osmania University.
11. FDP on Social Enterprise Business Plan on 11-01-2021 Mahatma Gandhi Institute of Technology.
12. FDP on Millimeter wave and Massive MIMO Applications for 5G wireless Networks using AI, from 16-11-2020 to 20-11-2020, Gokaraju Rangaraju Institute of Engineering and Technology.
13. FDP on Research Avenues in Machine Learning Approaches for Pattern Recognition, from 02-11-2020 to 07-11-2020 at Mahatma Gandhi Institute of Technology.
14. FDP on Outcome Based Education and Accreditation from 05-10-2020 to 09-10-2020 at ISTE Telangana section in association with JNTUH college of Engineering, Jagtial.
15. FDP on Cyber security from 16-09-2020 to 18-09-2020 at JNTUA CEA, Hyderabad.
16. FDP on Cyber security from 16-09-2020 to 18-09-2020 at JNTUA CEA, Hyderabad.-----
17. FDP on Internet of Things (IoT) based green energy systems from 14-09-2020 to 19-09-2020 at B. V. Raju Institute of Technology, Hyderabad.
18. FDP on Intellectual Property Rights and Patent Filing from 11-09-2020 to 12-09-2020 organized by R&D CELL AND NISP CELL, MGIT.
19. International workshop on deep learning 2020, from 22-08-2020 to 26-08-2020 organized by BITS Pilani, Hyderabad.
20. FDP on Computer Networks Simulation Using NS2, from 10-8-2020 TO 14-8-2020 organized by DEPT. OF CSE, MGIT.
21. FDP on Use case and Security Aspects of Block chain Technology from 17.8.2020 to 22.8.2020 organized by Dept of CSE, MGIT.
22. FDP on Azure Serverless Computing, from 10-8-2020 TO 14-8-2020 organized by Dept of CSE, MGIT.
23. FDP on Research Methodology from 05-08-2020 to 08-08-2020 organized by KL University, AP.
24. FDP on YOGA- A science of breath and meditation for subtle energy channelling, from 6.7.2020 to 10.7.2020, held at Dept of CSE, MGIT in association with DattaKriya Yoga Centre and impact foundation.
25. FDP on Hands on Free workshop on Python on 25-07-20 organized by Dept of CSE, MGIT.
26. FDP on Hadoop and Bigdata Analytics from 24-07-2020 to 25-07-2020 held at MRITS.
27. FDP on Recent trends and Advancements in Computer Science by Eminent Academicians from 22-07-2020 to 28-07-2020 held at VidyaJyothi Institute of Technology.
28. FDP on Python Programming from 15-07-2020 to 18-07-2020 organized by KLU.
29. FDP on Free and Open Source Alternative for Web Conferencing and Teaching Learning from 15-07-2020 to 16-07-2020 organized by Dept of CSE, MGIT.



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30. FDP on Artificial Intelligence Applications through Machine Learning from 14-07-2020 to 18-07-2020 organized by Balaji Institute of Technology and Science.
31. FDP on Evolution of Iot And its Real Time Applications from 13-07-2020 to 17-07-2020 organized by Malla Reddy Institute of Technology and Sciences
32. FDP on Cyber Security from 07-07-2020 to 12-07-2020 organized by CSE, CBIT & MGIT.
33. FDP on Developing Potentials - Emerging Technologies of Computer Science from 01-07-2020 to 07-07-2020 organized by Vidya Jyothi Institute of Technology.

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

1. AICTE-ISTE approved Refresher/Orientation Programme on IoT and Machine Learning held during 03-12-2021 to 09-12-2021 organized by JNTUA.

Online Certifications:

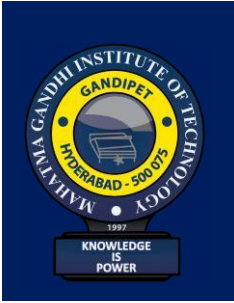
1. NPTEL: JAVA PROGRAMMING
2. NPTEL: COMPUTER NETWORKS
3. COURSERA: AI
4. COURSERA: Python for Every One
5. COURSERA: Introduction to Blockchain Technologies

Any Other Contribution:

1. Life Time Membership in Red Cross Society.
2. Participated in various Social Activities.

Awards:

1. Best Researcher Award presented by Knowledge Research Academy. Certificate No: IWDA/2025/C9.
2. Best Faculty Award presented by Knowledge Research Academy. Certificate No: HEICON/2024/C40. Date: 28-04-2024.
3. Best Teacher Award from Govt. of Telangana. August 2024.



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