

# Mrs.Chinnakka Sudha

## Assistant Professor



**Education Qualifications:** M.Tech (Ph.d)  
**Specialization:** Computer Science

### ADDRESS:

- D-BLOCK 308

### JNTUH ID:

**11150331-191821**

### EMAIL:

chinnakkasudha\_it@mgit.ac.in

### DATE OF JOINING:

01-08-2018

### EXPERIENCE - 15 Years

- Teaching - 15

### SUMMARY:

- Publications - 11
- Conferences - 1
- Patents – 2
- Honors/Awards - 2

### EVENTS:

- Organized - 8
- Attended - 53

### Membership of Professional Bodies:

1. Life Member of ISTE

### Responsibilities Held at Institution Level:

1. Nirvana Committee Member
2. Anti-Ragging Duties
3. Campus Monitoring Duties

### Responsibilities Held at Department Level:

1. Time Table In-charge
2. Class In-charge & Mentor
3. NSS Coordinator
4. Musings Coordinator 2024 & 2023
5. NAAC Criteria 7 In charge
6. Faculty coordinator for YUKTI 2020
7. NAAC & NBA Work

### Honors/Awards Received:

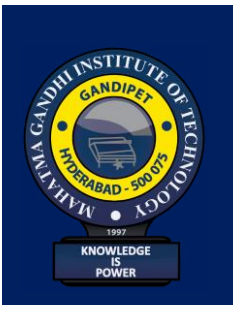
1. Qualified TS-SET 2018
1. Participated as Mentor for Smart India Hackathon 2019 – Grand Finale at IIT Kharagpur on 2 nd & 3 rd March 2019

### Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Data Science , Data Science Applications , Algorithm Design and Analysis(ADA), Artificial Intelligence(AI), Programming for Problem Solving(PPS), Formal Languages and Automata Theory(FLAT), Data Structures(DS), Database Management Systems(DBMS) , Operating Systems(OS) , Software Engineering(SE) , Design and Analysis of Algorithms(DAA), Compiler Design(CD), R Programming Lab
- **PG:** Wireless Networks and Mobile Computing, Distributed Databases

### Publications:

1. Published a paper in Advances in Computational Design on “Optimized adaptive intrusion detection framework for big data in social media application” Vol. 10, No. 3 (2025) 233-250.
2. Published a paper in Cluster Computing on “Intelligent intrusion forecasting framework for distributed environment using federated learning” 2024.
3. Published a paper in SCOPE on “ResearchHub: Unveiling Connections and Recommendations, VOLUME 14, JUNE 2024
4. Published a paper in IEEE on “Prediction and Prognosis of Diabetes Using Logistic Regression”
5. Published a paper in IJCRT on “COVID 19 Detection Model using Deep Learning “,IJCRT, Volume 10, Issue 6 ,June 2022

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6. Published a paper in Sambodhi (UGC Care Approved) on “A Survey on Role of Wireless Sensor Networks in IOT” Vol-43,july-september 2020.
7. Published a paper in International Journal of Advanced Science and Technology on “ A Conceptual Framework for understanding the Role of Machine Learning in Artificial Intelligence “ Vol 29 ,No.4s, March 2020.
8. Published a paper in International Journal of Recent Technology and Engineering (IJRTE) on “Usage of Machine Learning Algorithms in Data Mining “ Volume 8,May 2019.
9. Published a paper in international journal of research and analytical reviews (IJRAR)UGC Approved on “A Review on Fundamental Features of Data De-Duplication” Volume 5, Issue 4, Oct-Dec 2018.
10. Published a paper in “International Journal Of Research (IJR)” on “Improving The Performance of wireless sensor networks: A Survey”
11. Published a paper in International Journal of Computer Science and Management Research on “continuous queries processing using data aggregators”.

**Conferences:**

1. Presented a paper titled A Survey on Role of Wireless Sensor Networks in IOT in Online International Conference Organized by St.Martins Engineering College from 29 th -30 th june 2020

**Patents:**

1. Patent publication on “A Unified Framework for Intrusion Detection and Threat Severity Prediction across distributed and Social Media Networks” Application No: 202541074944 A
2. Patent publication on “Handwritten Digit Recognition : HANDWRITTEN DIGIT RECOGNITION USING AI- BASED Programming . Application No: 202041033431

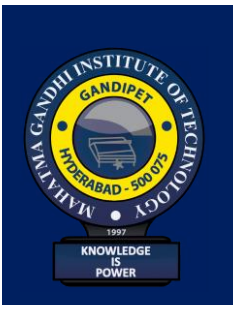
**Events Organized:****FDPs/STTPs:**

1. 5 Days FDP on “Data Science using R Programming, MGIT ,HYD from 06-08-2024 to 10-08-2024
2. One day online work shop on “Social Responsibility and Community Engagement” conducted by School of Management Studies, Mahatma Gandhi Institute of Technology, Hyderabad on 17-06-2020.

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

1. Organized 2 days Workshop on “Essentials of Data Science With R” from 25-11-2025 & 26-11-2025
2. Organized 3 Days Workshop on “JAVA FOUNDATIONS” from 04-11-2024 to 06-11-2024
3. Organized 3 Days Workshop on “Database Programming with SQL” from 27-09-2024 to 29-09-2024
4. Organized 2 days Workshop on “Machine Learning Using Python “ from 17 th - 18 th Sep
5. Organized a Webinar on “Data Analytics” on 22 nd May 2021
6. Organized a National Level Webinar on “Microservices Architecture using Java Technologies certificate”on 11 th July 2020

**Events Attended:****FDPs/STTPs:**



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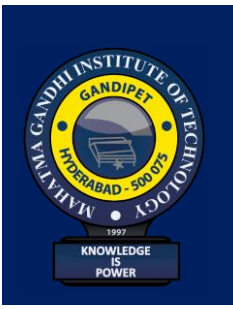
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1. Participated in the 1-week Faculty Development Program (FDP) on "Applied Deep Learning", organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad, held from 19th May 2025 to 24th May 2025.
2. Participated in the Faculty Development Program (FDP) on "AI Agents" organized by The Commissionerate of Collegiate Education (CCE), Government of Andhra Pradesh, in collaboration with ExcelR Edtech Pvt. Ltd., held from 12th May 2025 to 16th May 2025.
3. Participated in the Faculty Development Program (FDP) on "Blockchain & Web3" organized by the Department of CSE & CSE (Data Science), Sri Siddhartha Institute of Technology, in collaboration with ExcelR Edtech Pvt. Ltd., held from 10th March 2025 to 17th March 2025.
4. Participated in the Faculty Development Program (FDP) on "Artificial Intelligence" organized by SkillDzire in collaboration with AICTE, held from 17th March 2025 to 31st March 2025.
5. Attended an FDP on "Revolutionizing Education with Generative AI: Teaching and Learning Strategies", organized by Narasaraopeta Engineering College (NEC) in collaboration with Blackbucks Group from 10-03-2025 to 15-03-2025
6. Participated in the 2-week Short Term Training Program (STTP) on "AI-Driven Autonomous Systems: Applications and Innovations" organized by Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, held from 27th January 2025 to 8th February 2025.
7. Participated in a FDP titled "Emerging Innovations and Challenges in Modern Data Analytics Applications", conducted from 20th January 2025 to 25th January 2025, organized by the Department of Information Technology, Mahatma Gandhi Institute of Technology, Hyderabad, Telangana, in association with the Computer Society of India (CSI).
8. Participated in an FDP on "Gen AI & ChatGPT Application in the Industry", organized by the Department of MBA & Research Centre, SJC Institute of Technology, Chikkaballapur, in collaboration with Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad, Bharti Vidyapeeth College of Engineering, Pune, and ExcelR Edtech Pvt. Ltd. from 27th January 2025 to 31st January 2025
9. Participated in a Faculty Development Programme (FDP) on UI-FLUTTER, organized by Mahatma Gandhi Institute of Technology (MGIT), held from 30th July 2024 to 2nd August 2024.
10. Participated in the Faculty Development Program (FDP) on "AI and Gen AI with Industry Application" organized by MIT Academy of Engineering (MIT AOE), Autonomous – Maharashtra; The National Institute of Engineering – Mysore; Narasaraopeta Engineering College, Autonomous – Andhra Pradesh; and Matrusri Engineering College, Autonomous – Telangana, in collaboration with ExcelR Edtech Pvt. Ltd., held from 16th July 2024 to 22nd July 2024.
11. Participated in the Faculty Development Program (FDP) on "GenAI and Prompt Engineering using Microsoft Copilot", organized by Saraswati College of Engineering and CMR College of Engineering & Technology, in collaboration with ExcelR Edtech Pvt. Ltd., held from 15th April 2024 to 19th April 2024.
12. Participated in the Faculty Development Program (FDP) on "Data Analytics using Power BI and Tableau", organized by Parul University – Gujarat, held from 11th March 2024 to 15th March 2024.
13. Participated in the Faculty Development Program (FDP) on "Deep Learning



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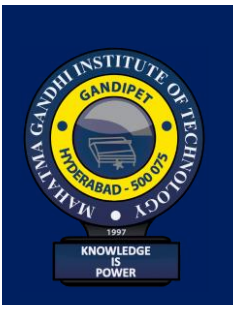
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and Artificial Intelligence", organized by the Andhra Pradesh State Skill Development Corporation (APSSDC) in collaboration with ExcelR Edtech Pvt. Ltd., held from 26th February 2024 to 1st March 2024.

14. Participated in the Professional Development Program on "Data Science Mastery", organized by VNR Vignana Jyothi Institute of Engineering and Technology, held from 5th February 2024 to 10th February 2024.
15. Participated in the Faculty Development Program (FDP) on "Effective Curriculum Implementation Using FOSS", organized by the Curriculum Development Centre Department, NITTR, held from 8th January 2024 to 12th January 2024.
16. Participated in the Two-Week Faculty Development Program (FDP) on "Big Data Analytics", organized by the Department of Information Technology, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, held from 4th December 2023 to 15th December 2023.
17. Participated in the Workshop on "Data Visualization Tools using R, Power BI, and Tableau", organized by Mahatma Gandhi Institute of Technology (MGIT), held from 4th September 2023 to 8th September 2023.
18. Participated in the Short Term Training Program (STTP) on "Data Science for Business", organized by Vishwakarma Institute of Information Technology (VIIT), Pune, held from 4th September 2023 to 8th September 2023.
19. Participated in the Faculty Development Program (FDP) on "Deep Learning for NLP and Computer Vision", organized by Chaitanya Bharathi Institute of Technology (CBIT), held from 10th July 2023 to 28th July 2023.
20. ATAL FDP On "Data Analytics and Machine Learning" Organized by Central University of Jharkhand. From 20-09-2021 to 24-09-2021
21. ATAL FDP On "Fundamental of Artificial Intelligence" Organized by College of Technology and Engineering, udaipur. From 13-09-2021 to 17-09-2021
22. FDP On "Contemporary Research Methodology" Organized by Mahatma Gandhi Institute of Technology, Hyderabad. From 7th and 8th Sep 2021.
23. ATAL FDP On "Distributed and Cloud Technology" Organized by E.G.S.Pillay Engineering College. From 16-08-2021 to 20-08-2021
24. ATAL FDP On "Data Sciences" Organized by National Power Training Institute(Southern Region).From 09-08-2021 to 13-08-2021
25. ATAL FDP On "Mathematics for ML" Organized by NIT, Arunachal Pradesh. From 27-07-2021 to 31-07-2021
26. FDP on "Multi Technologies" Organized by MVSR Engineering college , Hyderabad from 27-06-2021 to 03-07-2021
27. FDP on "Research and application perspectives in AI and ML" Organized by Sridevi Women's Engineering College from 21-06-2021 to 25-06-2021
28. FDP on "Cyber Security & Cyber Forensics" Organized by MVSR Engineering College from 14-06-2021 to 18-06-2021
29. FDP on "IPR & Patent Prosecution" Organized by MVSR Engineering College , Hyderabad. From 24<sup>th</sup>-28<sup>th</sup> May 2021.
30. Attended a FDP on "Advancement of Intelligent System and Computation" Organized by JIS College of Engineering. From 20<sup>th</sup>-24<sup>th</sup> April 2021
31. STTP On "IOT Powered Solutions for Health Care Innovations" Organized by KCG College of Technology, Chennai. From 15<sup>th</sup>-20<sup>th</sup> March 2021



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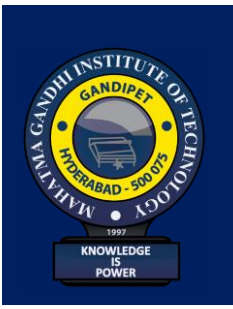
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32. FDP On” Data Science using Python” Organized by Bhavan’s Vivekananda College,hyd from 08<sup>th</sup>-17<sup>th</sup> February 2021..
33. ATAL FDP on “Artificial Intelligence” Organized by College of Engineering and Technology, IILM Academy of Higher Learning. From 8<sup>th</sup>-22<sup>nd</sup> January 2021
34. STTP on”Data Science with R Tool” Organized by Nanda Engineering College,Erode-52 from 04<sup>th</sup>-9<sup>th</sup> January 2021
35. Attended ATAL FDP on “Data Science” from 7-11 th September 2020. Organized byMakhanlal Chaturvedi National University of Journalism and Communication
36. Attended ATAL FDP On “Data Science” from 26.05.2020 to 30.05.2020 Organized by JNTUA College of Engineering, Pulivendula.
37. Attended ATAL FDP On “Artificial Intelligence” from 27.04.2020 to 01.05.2020 organized by MSME –Technology development center (PPDC)Meerut
38. Attended ATAL FDP On “Data Science” from 04.05.2020 to 08.05.2020 Organized byMSME –Technology development center (PPDC) Meerut
39. Attended workshop on “MOBILE COMPUTING” organized under networking activity of technical quality improvement program (TEQIP) during June 5th-7th 2008 at Department of CSE, University College of Engineering, OU, Hyderabad.
40. Attended a workshop organized by Microsoft & IEG/JKC through MANA TV on “SYSTEM INTEGRATION”.

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

1. Attended the Webinar on "Research Tools and Techniques – A Guide for Beginners", organized by P.S.R. Engineering College, Sivakasi, on 19th January 2024.
2. Workshop on “Python Programming” Organized by CBIT,Hyderabad from 16-07-2021 & 17-07-2021
3. Webinar on “Cloud Computing and IPR “ Organized by “Lokenete DR.Balasaheb vikhe Patel on 30-07-2021
4. International Workshop on “Building Data-Driven Solutions Using Data Analytics withML and DL Algorithms” Organized by CBIT ,Hyderabad. From 24-06-2021 to 28-06-2021
5. Attended a Webinar on “The Impact Of Learning Space on Educational Ecosystem” Organized by Ch.S.D.St.Thesara’s college for women,Eluru on 18<sup>th</sup> April 2021
6. Webinar on “ Big Data Analytics” Organized by “ Jagannath Institute of Technology, Chennai. On 30<sup>th</sup> March 202
7. Webinar on “ Data Science and ML Using Python” Organized by Kalinga University, Raipur. On 19<sup>th</sup> March 2021
8. International Webinar on “Choose to Challenge” Organized by Mgit Hyderabad. On 08<sup>th</sup> March 2021
9. Webinar on” How to write Research and Review Article” Organized by Jagannath Institute Of Technology, Chennai on 27<sup>TH</sup> February 2021
10. Webinar on” Security of Vehicular Adhoc Networks” Organized by Jagannath Institute Of Technology, Chennai. On 26<sup>th</sup> February 2021
11. One Week Workshop on “E-Content Development” Organized by Bharat Institute of





Engineering and Technology (BIET), Hyderabad from 24<sup>th</sup> Feb -01<sup>st</sup> March 2021

12. AICTE-ISTE Refresher program on “ Intelligent Learning “ Organized by Anil Neerukonda Institute of Technology & Sciences, AP,India from 17<sup>th</sup> -23<sup>rd</sup> February 2021
13. Two day International Webinar on “Empowering Women: A Paradigm Shift In Nep 2020” Organized by Mahatma Gandhi Institute Of Technology,Hyderabad. From 08<sup>th</sup>-09<sup>th</sup> January 2021

#### **Online Certifications:**

1. Certified NPTEL in “Introduction to Internet of Things “ with Elite+Silver
2. Certified NPTEL in Introduction to Automata, Languages and Computations with Elite+Silver
3. Certified NPTEL in Big Data Computing with Elite+Silver
4. Certified NPTEL in Design & Analysis of Algorithms
5. Completed Coursera online course on “ AI for Everyone”
6. Completed Coursera online course on “Linear Regression with NumPy and Python”
7. Completed Coursera online course on “Programming for Everybody (Getting Started with Python)
8. Completed Udemy online Course on ” Introduction to R Programming”

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