

Dr. K MADHUBABU

Assistant Professor

Education Qualifications: B.Tech, M.Tech, Ph.D (CSE).,
Specialization: Wireless Networks & IoT



ADDRESS:

- D– Block -107

JNTUH ID:

8780-220513-162036

EMAIL:

kmadhubabu_cse@mgit.ac.in

DATE OF JOINING:

05-005-2023

EXPERIENCE - 15 Years

- Teaching - 1
- Research
- Industry -
- Others –

SUMMARY:

- Publications - 10
- Conferences - 2
- Patents – 1
- Riviewe-4
- Books –
- Honors/Awards - 2

EVENTS:

- Organized - 1
- Attended - 12

LET'S MEET ON SOCIAL:

- **Scopus Author ID:**
[57217277866](https://orcid.org/0000-0003-4857-3142)
- <https://orcid.org/0000-0003-4857-3142>
- <http://www.webofscience.com/wos/author/record/ResearcherID>
- <https://scholar.google.com/citations?user=XCJLtXsAAAAJ&hl=en&citsig=AMD79ooE7F->

Membership of Professional Bodies:

1. Indian Society for Technical Education - Life Member ISTE, (LM 143356).
2. International Association of Engineers (IAENG)-240443

Responsibilities Held at Institution Level:

1. Member

Responsibilities Held at Department Level:

2. Member.

Research Guidance:

UG: 17

PG: 05

Honors/Awards Received:

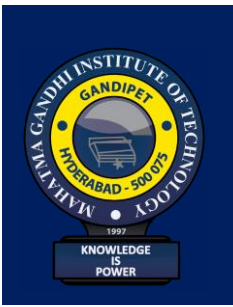
1. HONOUR CODE CERTIFICATE **Introduction to Computer Programming** Issued by IITBOMBAYX on 23rd May 2016. Authenticity of this certificate can be verified at <https://verify.iitbombayx.in/cert/1bc5a6195eef45bab3b4de5b53ef447a>
2. **BEST RESEARCH AWARD** From Alpha International Publications in 2024

Courses Handled at Under Graduate /Post Graduate Level:

3. **UG:** Unix and Operating System, Computer Networks,. Computer Programming(C-Language), Unix and Shell Programming, Unix Internals, Operating System, Linux Programming, Network Programming,. Design and Analysis of Algorithms.
4. **PG:** Unix and Operating System, Advanced Computer Network, Linux Programming

Publications:

1. Journal paper published on "Optimal Path Selection in Vehicular Adhoc Network Using Hybrid Optimization." *Multimed Tools Appl* 83, 18261–18280 (2024). <https://doi.org/10.1007/s11042-023-17513-0>(SCIE)
2. Journal paper published on "Effectiveness of deep learning in early-stage oral cancer detections and classification using histogram of oriented gradients" in expert Systems year 2023, wiley publications <https://doi.org/10.1111/exsy.13439> (Scopus with ESCI)
3. Journal paper published on "Congestion avoidance for



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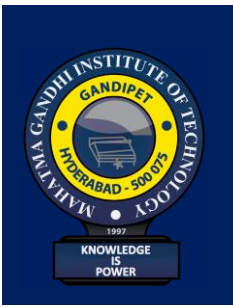
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electrically charged autonomous vehicles in vehicular Ad hoc network” in International Journal of System Assurance Engineering and Management, year 2023, Springer Publication, <https://doi.org/10.1007/s13198-023-02091-z> (Scopus with ESCI)

- Journal paper published on **“The Prediction of Diseases Using Rough Set Theory with Recurrent Neural Network in Big Data Analytics”** in International Journal of Intelligent Engineering and Systems, Vol.13, No.5, 2020 DOI: 10.22266/ijies2020.1031.02, Received: January 17, 2020. Revised: March 13, 2020.(Scopus)
- Journal paper published on **“Software Metric and Fault Prediction Using Hybrid FISHER Filter- ANNIGMA Framework”** in Volume 8. No. 9, September 2020 International Journal of Emerging Trends in Engineering Research Available Online at <http://www.warse.org/IJETER/static/pdf/file/ijeter74892020.pdf>
- Journal paper published on **“Advanced Link Prediction Technique for Social Networking Websites”** in Turkish Journal of Computer and Mathematics Education Vol.12 No.12 (2021), 4169-4175.
- Journal paper published on **“Ensemble Face Recognition Using IOT for Universal Purpose”** in international Journal of Advanced Science and Technology Vol. 29, No. 6, (2020), pp. 4069 – 4073.
- Journal paper published on **“Data Security for Multi Users in Cloud by Using Cryptography Technique”** in International Journal of Computer Science Trends and Technology (IJCTST) – Volume 2 Issue 4, Jul-Aug 2014, PP. 80-83.
- Journal paper published on **“Individual-Adaptive Position Update in MANETS”** in International Journal of Scientific Engineering and Technology Research Volume.03, IssueNo.17, August-2014, Pages: 3667-3670.
- Journal paper published on **“Improving Data Quality in Applications of Dynamic Forms”** in IJCST Vol. 3, Issue 3, July - Sept 2012 ISSN : 0976-8491 (Online) | ISSN : 2229-4333.

Conferences:



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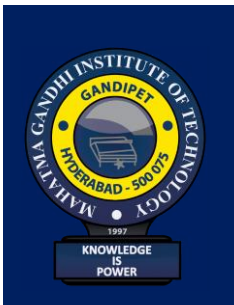
1. Conference paper published on “**Efficient Path Reconstruction Algorithms for Multi Hop Wireless Networks - A Survey**” in Proceedings of the Fifth International Conference on Inventive Computation Technologies (ICICT-2020) IEEE Xplore Part Number: CFP20F70-ART; ISBN:978-1-7281-4685-0. (Scopus, WoS)
2. Conference: K. Madhubabu and N. Snehalatha, “**Effective Unauthorized Vehicle Detection System for Intelligent Transportation**, " 2023 International Conference on Disruptive Technologies in Computers and Communication Systems (ICDTCCS), Taylor and Francis Publications, TKR Engineering College- Hyderabad, India, 2023.<https://www.routledge.com/Disruptive-technologies-in-Computing-andCommunication-Systems/Proceedings/Babu/p/book/9781032665474>.

Patents:

1. THE HEART DISEASE PREDICTION USING TECHNIQUE OF CLASSIFICATION IN MACHINE LEARNING.(12) PATENT APPLICATION PUBLICATION (21) Application No.202341010739 A(19) INDIA (22) Date of filing of Application :17/02/2023 (43) Publication Date : 24/03/2023

Papers Reviewed:

1. **Empirical Validation of Feature Selection Techniques for Cross-Project Defect Prediction**[Manuscript Number: IJSA-D-23-00246]. From Springer Nature publications, International Journal of System Assurance Engineering and Management. In April 2023.
2. **Energy Aware Stable Path Ad Hoc On-Demand Distance Vector Algorithm for Extending Network Lifetime of Mobile Ad hoc Networks**[Manuscript ID IJCS-23-0287]. From Willey publications, International Journal of Communication Systems. In April 2023.
3. **Geospatial Data for peer-to-peer communication among autonomous vehicles using Optimized Machine learning algorithm.** From Springer Nature publications, Scientific Reports journal, 19 August 2024.
4. **ASystematic Scoping Review of Self-Driving Car Models: Challenges, Opportunities, and Trends.** From Springer Nature publications, Discover Electronics, 29 September 2024.



No. of Books/Chapter Published with details:

1. PROGRAMMING IN C, from RG INTERNATIONAL PUBLICATIONS, WITH ISBN: 978-93-49773-23-3.

Events Organized:

1. Notational Skill Development AI & ML Certification Training

Program is organized for VI Semester students (90 students only) trained by Engineering Staff College, India ,Date from :12-02-2025 to 05-05-2025.

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Conferences:

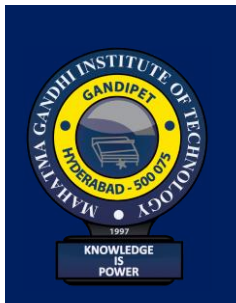
FDPs/STTPs:

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

Events Attended:

FDPs/STTPs:

1. Faculty development program on “**Programming in C and Data Structures**” at JNTUA, Ananthapuramu.
2. IIT Bombay MOOCS “**Computer Programming**” workshop.
3. Attended a 3-Day workshop on “**HADOOP**” in the Department of CSE, Audisankara College of Engineering & Technology, Gudur, Nellore (Dt), A.P.
4. Attended a One-week FDP on “**Data Sciences and Big Data Analytics**” Conducted by Electronics & ICT Academy, NIT Warangal, T.S.
5. Attended One week “**Faculty Induction Programme**” Organized by KL deemed to be University, Vaddeswaram, Guntur, A.P., India.
6. Attended One day hands-on workshop on “**CubeSat Design**” Organized by KL deemed to be University, Vaddeswaram, Guntur, A.P., India.
7. Attended One-week National level Online Faculty Development Program On “**Internet of Things and Artificial Intelligence Applications**” from 1st June to 6th June 2020, Organized by KL deemed to be University, Vaddeswaram, Guntur, A.P., India.
8. Six day International Level Workshop on “**5G Technologies with Applications for IoT**” organized by Department of Computer Science and Engineering and Department of Electronics and Communications Engineering hosted by V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING,



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- <https://scholar.google.com/citations?user=XCJLxSAAAAJ&hl=en&citsig=AMD79ooE7F->

Gudivada. (10th August to 16th August 2020).

9. AICTE Training And Learning (ATAL) Academy Online FDP on "**Internet of Things (IoT)**" from 2020-9-14 to 2020-9-18 at Central University of Jharkhand.
10. One Week International Workshop on "**Recent Advancement on Electronics and Computer Intelligence**". (RAECI -2021), program held on 26th to 30th April 2021 (Online) and organized by the Department of Electronics and CSE&A, Sambalpur University Institute of Information Technology (SUIIT), Burla , Odisha, INDIA.
11. From KLEF, Vijayawada has participated in 5 Day Faculty Development Program on "**IoT & DATA SCIENCE APPLICATIONS in ELECTRICAL ENGINEERING**" from 27th October 2021 to 1st November 2021.

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

Online Certifications:

1. Global Certifications:

- a. Earned **Foundations of Artificial Intelligence** course certificate from **Skill Up** Issue date on May 25th 2021.
- b. Earned Aviatrrix Certified Engineer **Multi-Cloud Networking Associate** ACE CERTIFICATION NUMBER 2021-15108, VALID THROUGH November30th 2024.
- c. Earned **Oracle Cloud Infrastructure Foundations 2021 Certified Associate** Issued by ORACLE UNIVERSITY, Date on November 28th 2021.

2. Course era certificates:

1. Seven

Any Other Contribution:

1. External Examiner for conducting B.Tech RESEARCH PROJECT 2 External Examination.