

Dr. Mallikharjuna Rao K

Assistant Professor

Data Science and Artificial Intelligence

Cabin # 125A, Academic Block

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<https://publons.com/researcher/2269358/dr-mallikharjuna-rao-k/>

https://www.researchgate.net/profile/K_Mallikharjuna_Rao

<https://scholar.google.co.in/citations?user=OQdBx7EAAA&hl=en>

https://www.youtube.com/channel/UCaFvG48rBC0yE_XAdeUelzA

Professional Experience : 18+ Years

- Working as Assistant Professor at Data Science and Artificial Intelligence Department, **Dr. SPM International Institute of Information Technology- Naya Raipur (IIIT NR)- Naya Raipur**, Chhattisgarh, India from 12 August 2021 to till date.
- Worked as Assistant Professor Sr. Grade-1, School of Computer Science and Engineering, **VIT-AP University (Vellore Institute of Technology–Andhra Pradesh), Amaravati**, Andhra Pradesh, India from 15th May 2019 to 7th August 2021.
- Worked as Associate Professor in Department of Information Technology, **Shri Vishnu Engineering College for Women (A)**, Vishnupur, Bhimavaram from 1st Nov 2018 to 14th May 2019.
- Worked as Assistant Professor in Information Technology Department in GIT, **GITAM** (Deemed to be University), Visakhapatnam 29th September 2011 to 31st Oct 2018.
- Worked as Assistant Professor in Computer Science and Engineering Department in **GRIET**, Hyderabad, since June 2007 to May 2011
- Worked as Assistant Professor in **ST. Martin's Engineering College**, Secunderabad from June 2005 to May 2007.
- Worked as a lecturer in **Newton's Institute of Engineering**, Macherla from June 2004 to May 2005.

Education

- Ph.D. (Computer Science & Engineering)** from **Jawaharlal Nehru Technological University Hyderabad**, awarded on 08 August 2018.
- M.Tech. (Compute Science)** **Jawaharlal Nehru Technological University Hyderabad**, with a Percentage of 77 % (Distinction) in 2010.
- B.Tech (Information Science & Technology Engineering)**, Acharya Nagarjuna University Andhra Pradesh in 2004.

Research Guidance

S.No	Name of the Student	Thesis Title/ Area of Research	Year of Registration	University/ Institute	Status
1	Ms. Suvrima Datta (205000105)	Intelligent Security Framework for IoT Network Leveraging on SDN	August 2020	IIIT NR	Awarded
2	Ms. Mamta Nag (245000105)	Medical Image Analysis	August 2024	IIITNR	Ongoing

Awards & Accolades

- Received best paper award at **IEEE ICBDS 2023 International Conference**
- Received best patent research award from VIT-AP University
- Received appreciation for 5/5 teaching feedback at VIT-AP University (Evaluated by Rtd. Prof. Bruhadeeswaran).
- Received Excellence award for **Multimedia Application and Development** from G.R.I.E.T Hyderabad.
- Received Excellence award for **Software Testing Methodologies** from G.R.I.E.T. Hyderabad.
- Received Excellence award for **OOAD Using UML** from G.R.I.E.T. Hyderabad.
- Received Excellence award for **Software Engineering** from G.R.I.E.T. Hyderabad.

Professional Membership's

- Senior Member, IEEE- 94075074**
- Executive Member, IEEE Computational Intelligence Society, MP Section.**
- Member IEEE Communication Society.**
- Member, IEEE Computer Society**
- Life Member Computer Society of India.**
- The Institute of Engineers (IEI): Associate Member- AM-165950-5**

Guest Lectures / FDP

- Delivered a talk in Two-days FDP on **Data Pre-processing and Statistical Learning** at PVSIT, Vijayawada from 22-04-2022 to 23-04-2022.
- Delivered guest lecture on "**Data Warehousing and Data Mining**" at QISIT, Ongole, Andhra Pradesh, India on 16 March 2020
- Delivered guest lecture on "**Software Engineering**" at QISIT, Ongole, Andhra Pradesh, India on 16 March 2020
- Delivered guest lecture on "**Artificial Intelligence**" at QISIT, Ongole, Andhra Pradesh, India on 15 February 2019.
- Delivered guest lecture on "**Software Engineering**" at QISIT, Ongole, Andhra Pradesh, India on 15 February 2019.
- Delivered guest lecture on Software Testing Methodologies at VVIT, Hyderabad

Patents

1. **Dr. Mallikharjuna Rao K, et.al.**, "System and Method to Segregate the Fruits by Machine Learning." With Application No. 202221052788, The Patent Office, Govt. of India, Dated 23/10/2022, India. **Grant No: 445966**
2. **Dr. Mallikharjuna Rao K, et. al.**, "HSMP-Activity Recognition: Human Activity Recognition using Smart Mobile Phone " with Application No.202041045969, The Patent Office, Govt. of India, Journal No. 46/2020 Dated 13/11/2020, India.
3. **Dr. Mallikharjuna Rao K, et. al.**, " A Vedic and Parallel Prefix Adder Based Signal Multiplier" with application no 202041051659, The Patent Office , Govt. of India, Journal No. 49/2020 Dated 04/12/2020, India.

Editorial/Review Boards

- Reviewer of **IEEE Transactions on Artificial Intelligence**
- Reviewer of **IEEE Sensors Journal**
- Reviewer of **IET Software**, United Kingdom
- Reviewer of **Biomedical Signal Processing and Control**
- Reviewer of **National Academy of Science Letters**
- Reviewer of **International Journal of System Assurance Engineering and Management**
- Reviewer of **Journal of Computer Science, Science Publications, USA**
- Reviewer of **Bulletin of Electrical Engineering and Informatics (BEEI), IAES Publishers, Indonesia.**
- Reviewer of **International Journal of Scientific & Engineering Research – IJSER (ISSN 2229-5518)**
- **Editorial Board Member** of International OF Multidisciplinary Research and Publications (IJMRP), India.
- Reviewer of **Journal of Autonomous Intelligence.**
- **TPC Member, 2024 Asia Conference on Trends in Image Processing, London, UK**
- **Session chair, IEEE ICIICSS-2023** International Conference.
- **Session chair, IEEE ICBDS-2023** International Conference.
- **Expert, IEEE IDBA-ACMWIR 2023** international conference.
- **Session Chair, IEEE WIECON-ECE 22**
- **Session Chair, IEEE international Conference TRIBES-2021**
- **TPC Member and Reviewer IEEE ICIICSS-2024** International Conference.
- **Reviewer OTCON-2024** International Conference.
- Reviewer of **IEEE TEMSCON-2023** International Conference
- Reviewer of **IEEE IICAIET-2023** International Conference
- Reviewer of **IEEE AIKIIE-2023** International Conference
- Reviewer of **IEEE ICIICS-2023** International Conference
- Reviewer of **IEEE EASCT-2023** international conference (IEEE Bangalore Section)
- Reviewer of **IEEE InC4** international conference.
- Reviewer of **IEEE ICIICS 2023 International Conference (IEEE Bangalore Section)**
- Reviewer of **IEEE NMITCON-2023** International Conference
- Reviewer of **EAIT 2024 Springer** international conference.
- Program Committee Member and Reviewer of **ICSISCET 2023 Springer** international conference.
- Reviewer of **ICCI 2023 Springer** international conference.
- Reviewer of **ICCIS 2023 Springer** international conference.

- Reviewer of **CSCT 2023 Springer** international conference.
- Reviewer of **CVR 2023 Springer** international conference.
- Reviewer, **IEEE ICMNWC-2022**
- Technical Reviewer for **IEEE IICAIET 2022**
- Technical Reviewer for **IEEE MYSURUCON 2022.**
- Reviewer, **IEEE ICMNWC-2022**
- Reviewer, **ICSISCET-2023**
- TPC Member of **IEEE international Conference TRIBES-2021**
- **Program Committee member & Reviewer** of CSEAI 2023
- **Program Committee member & Reviewer** of MLCL 2023
- **Program Committee member & Reviewer** of CMC 2023
- **Program Committee member & Reviewer** of CoSIT 2023.
- **Program Committee member & Reviewer** of DMDB 2023.
- **Program Committee member & Reviewer** of NCWMC 2023.
- **Program Committee member & Reviewer** of CIOS 2023.
- **Program Committee member & Reviewer** of EDUPAN 2023.
- **Program Committee member & Reviewer** of SIPO 2023.
- **Program Committee member & Reviewer** of AIBD 2023.
- **Program Committee member & Reviewer** of MLSC 2023.
- **Program Committee member & Reviewer** of VLSIE 2022.
- **Program Committee member & Reviewer** of MECN 2022.
- **Program Committee member & Reviewer** of 2ICML 2022.
- **Program Committee member & Reviewer** of CIRS Y 2022.
- **Program Committee member & Reviewer** of ICCIS 2022
- Reviewer, ICRTEECI-2021 Springer International Conference
- Reviewer, ICCIDE-2021 Springer International Conference
- Reviewer of **Insc-International Journal of Computer Science & Information Technology, Institute of Scholars, India.**
- **Program Committee member & Reviewer** of 9th International Conference on Software Engineering and Applications (JS 2020).
- **Program Committee member & Reviewer** of 7th International conference on Software Engineering (SOFE 2021), Vie Austria.
- **Program Committee member & Reviewer** of 7th International conference on Advances in Computer Science and Information Technology (ACSTY 2021), Vienna, Austria.
- **Program Committee member & Reviewer** of 7th International Conference on Computer Science, Information Technology and Applications (CSITA 2021), Zurich, Switzerland.
- **Program Committee member & Reviewer** of 10th International Conference on Software Engineering and Applications (SEAS 2021), February 20-21, 2021, Dubai, UAE.

Grants Received

S. No	Funding Agency	Name of the Convenor	Approval Letter No with Date	Programme Title	Year of Funding	Amount Sanctioned
1	DST	Mallikharjuna Rao K	BDID/10/43/2015 dated 16.03.2016	National Workshop on "Data Science and Big Data Analytics"	2016	Rs. 6,00,000

Publications (Referred International Journals /Conferences)

Published : 27

In Press: 09

Publications under Review : 07

Published in International Referred Journals:

1. S. Datta, A. Kotha, U. Venkanna and K. Mallikharjuna Rao, "XNetIoT: An Extreme Quantized Neural Network Architecture for IoT Environment Using P4," in *IEEE Transactions on Network and Service Management*, vol. 21, no. 5,

2. Venkatesh Bhandage, Mallikharjuna Rao K, Satish Muppidi, Balajee Maram, "Autism spectrum disorder classification using Adam war strategy optimization enabled deep belief network," Biomedical Signal Processing and Control, Volume 86, Part A, 2023, 104914, ISSN 1746-8094, <https://doi.org/10.1016/j.bspc.2023.104914>.
3. K Mallikharjuna Rao, Ghanta Sai Krishna, Kundrapu Supriya, "Data preprocessing techniques: emergence and selection towards machine learning models - a practical review using HPA dataset," Multimedia Tools and Applications <https://doi.org/10.1007/s11042-023-15087-5>.
4. Mallikharjuna Rao K, "Text and Image-based Steganography with the aid of AES Encryption Cryptography an Ensemble Practical Method" Mukta Shabd Journal, PP. 487-498, Feb 2023, DOI:10.0014.MSJ.2023.V11102.0086781.113706.
5. Mallikharjuna Rao K, et al., "A Review of Predictive and Descriptive Data Mining Techniques in Higher Education Domain," International Journal of Computer Engineering And Applications, Volume XIII, Issue VI, January. 21.
6. Mallikharjuna Rao K, et al., "Visualizing Network Path and Data Link Activity in Mobile Adhoc Network by using INET," International Journal of Computer Engineering And Applications, Volume XIII, Issue VI, January. 21.
7. K Mallikharjuna Rao et al., "Multi-dimensional parametric assessment with IoT in the acquaintance of digital pipeline," International Journal of Electrical and Computer Engineering, Vol. 9, No.6, December 2019, pp. 4649~4656 ISSN: 2088-8708, DOI: <http://doi.org/10.11591/ijece.v9i6.pp4649-4656>.
8. Mallikharjuna Rao K, "Development of Cluster-based Multiprocessor Systems with Analytical Model: A Approach," Journal of Communications vol. 14, no. 11, pp. 1091-1097, November 2019. Doi: 10.12720/jcm.14.11.1091-1097.
9. Dr. K Mallikharjuna Rao et al., "Dimensionality Reduction and Hierarchical Clustering in Framework for Hyperspectral Image Segmentation," Bulletin of Electrical Engineering and Informatics (BEEI), published by Universitas Ahmad Dahlan in collaboration with IAES Indonesia, ISSN: 2089-3191, e-ISSN: 2302-9285, Vol. 8, No.3, September 2019, DOI: 10.11591/eei.v8i3.1451.
10. K Mallikharjuna Rao, Dr. K Anuradha, "An Efficient Method for Enhancing Reliability and Selection of Software Reliability Growth Model through Optimization Techniques," Journal of Software (JSW), IAP Publishers, Finland, Issn:1796-217X(O), Vol. 12, No.1, January 2017, DOI: 10.17706/jsw.12.1.1-18.
11. K Mallikharjuna Rao, Dr. K Anuradha, "Performance Evaluation of Software Reliability Growth Models Using Optimization Techniques," International Journal of Computer Science and Information Security (IJCSIS), Pittsburgh University, USA, ISSN:1947-5500 (O), Vol. 14. Issue.11 November 2016.
12. K Mallikharjuna Rao, Dr. K Anuradha, "A New Method to Optimize the Reliability of Software Reliability Growth Models using Modified Genetic Swarm Optimization," International Journal of Computer Applications, (IJCA), Foundation of Computer Science (FCS), NY, USA, 0975-8887(O), Vol.145, No.5, pp.1-8, July 2016, DOI: 10.5120/ijca2016910610.
13. K Mallikharjuna Rao, Dr. K Anuradha, "An Efficient Method for Software Reliability Growth Model Selection using Modified Particle Swarm Optimization Technique" International Review on Computers and Software (I.RE.CO.S), Praise Worthy Prize Publishers, Italy, 1828-6003(O), Vol.10, No.12, pp. 1169-1178, Dec 2015 DOI: <https://doi.org/10.15866/irecos.v10i12.8089>.

IEEE Proceedings in International Conferences:

14. Abhinav Roy, Bhavesh S Gyanchandani, Jyoti Sahu, Mallikharjuna Rao K, "SyncNet: Harmonizing Nodes for Efficient Learning", **The 32nd International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2024)**, University of Split, FESB and Croatian Communications and Information Society (CCIS), and technically co-sponsored by the IEEE Communications Society. The conference will be held on September 26-28, 2024 in Split – Bol (island of Brač), Croatia. (In press)
15. Mallikharjuna Rao K, Ashutosh Kumar, Deepesh Agrawal, Shikar Reyya, "Chin Sleuth: Crypto Transaction Tracking Platform", International Conference on Cyber Security-Current Perspectives (ICCSCP-2024), CSI proceedings, Hyderabad (In press)
16. Tanu Patel, Jyoti Sahu, **Mallikharjuna Rao K**, "Comparative Analysis of Regression Techniques for Accurate House Price Prediction Using Machine Learning: A Statistical Analysis Method" **2nd IEEE International Conference on Blockchain and Distributed Systems Security (IEEE ICBDS 2023)**, Chhattisgarh, India (Accepted & Presented)
17. S. Kashyap, T. Thaware, S. R. Sahu and M. R. K, "Multi-Crop Leaf Disease Detection using Deep Learning Methods," **2022 IEEE 19th India Council International Conference (INDICON)**, Kochi, India, 2022, pp. 1-6, DOI: 10.1109/INDICON56171.2022.10040099.
18. J. Vijaya and M. Rao, "Heart Disease Prediction using Clustered Particle Swarm Optimization Techniques," **2022 IEEE 6th Conference on Information and Communication Technology (CICT)**, Gwalior, India, 2022, pp. 1-5, doi: 10.1109/CICT56698.2022.9997925.
19. G. S. Krishna, K. Supriya, and K. M. Rao, "Selection of Data Preprocessing Techniques and Its Emergence Towards Machine Learning Algorithms using HPI Dataset," **2022 IEEE Global Conference on Computing, Power and Communication Technologies (GlobConPT)**, New Delhi, India, 2022, pp. 1-6, doi: 10.1109/GlobConPT57482.2022.9938255.
20. S. Reddy Sankepally, N. Kosaraju and **K. Mallikharjuna Rao**, "Data Imputation Techniques: An Empirical Study using Chronic Kidney Disease and Life Expectancy Datasets," **IEEE 2022 International Conference on Innovative Trends in Information Technology (ICITIIT)**, Kottayam, India, 2022, pp. 1-7, doi: 10.1109/ICITIIT54346.2022.9744211.
21. V. K. Tripathi, P. Parashar, and **M. Rao K**, "Missing Data: Its Emergence in the Real-world-A Practical Review on Google Play Apps dataset using Python," **2022 IEEE IAS Global Conference on Emerging Technologies (GlobConET)**, Arad, Romania, 2022, pp. 209-214, doi: 10.1109/GlobConET53749.2022.9872426.
22. K. V. Murali Mohan, A. R. Satish, **K. Mallikharjuna Rao**, R. K. Yarava and G. C. Babu, "Leveraging Machine Learning to Predict Wild Fires," **IEEE 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)**, Trichy, India, 2021, pp. 1393-1400, doi: 10.1109/ICOSEC51865.2021.9591952.
23. K Mallikharjuna Rao, Dr. K Anuradha "A Hybrid Method for Parameter Estimation of Software Reliability Growth Model Using Modified Genetic Swarm Optimization with the aid of Logistic Exponential Testing Effort Function", **Research Advances in Integrated Navigation Systems (RAINS - 2016)**, **IEEE Proceedings**, ISBN: 978-1-5090-1111-

List of Book Chapters:

24. **Mallikharjuna Rao K**, Varada Raju, “ A provisional study of detecting Diabetes in Pregnant Women using Machine models”, SCIS 2024, LNNS, Springer (In press)
25. Harshit Kumar Chaubey, Siri Arelli, Tanu Patel, Vishnu Verma, and **Mallikharjuna Rao K**, "Cloud Versus Local: Performance Evaluation of Multi-Node Hadoop Clusters Using HiBench Benchmarks" , Future Technologies Conference – FTC 2024, 14-15 November 2024 | London, United Kingdom, (In press)
26. **Mallikharjuna Rao K**, Rachamadugu Subramanya Buvan, Mudumba Karthikeya Prachodhan, and Aneesh Narayan Bandaru, “ Enhancing Abdominal Trauma Diagnosis with AI: Improving Detection, Care, and Outcomes Through Machine Learning”, 5th ICDSA, Springer LNNS Series (In press).
27. **Mallikharjuna Rao K**, Ashutosh Kumar, Deepesh Agrawal, and Shikhar Reyya, “ Leveraging Blockchain for Development of Time Limit-based Multi-Authorized Secure Digital Signature Framework”, 5th International Conference on Advances in Information Communication Technology & Computing” (AICTC - 2024), Springer LNNS Series (In press).
28. **Mallikharjuna Rao K.**, Deepesh Agrawal, Priykrit Varma, and Shikhar Reyya, "Computer Vision-based Self-Inflicted Violence Detection in High-Raised Areas with the aid of Deep Learning", PEIS-2024, Springer LNEE Series (In press).
29. **Mallikharjuna Rao K**, et.al., "Cryptographic Image Concealment with Neural Networks", Taylor & Francis Proceedings. (In Press).
30. **Mallikharjuna Rao K.**, et.a., An Efficient CNN-based Approach for Automated Animal Intrusion Detection", Taylor & Francis Proceedings (In Press)
31. Harleen Kaur, Kaur Bedi, **Mallikharjuna Rao K**, and M.A. Lekhana “Deep Neural Networks for Image-Based Indian Sign Language Recognition: A Comprehensive Review and Practical Analysis” ADCIS 2023, and publication in the Springer Book Series "Lecture Notes in Networks and Systems (Accepted & Presented)
32. **Mallikharjuna Rao, K.**, Kaur, H., Bedi, S.K. (2024). The Impact of Cesarean Section Trends and Associated Complications in the Current World: A Comprehensive Analysis Using Machine Learning Techniques. In: Sharma, H., Chakravorty, A., Hussain, S., Kumari, R. (eds) Artificial Intelligence: Theory and Applications. AITA 2023. Lecture Notes in Networks and Systems, vol 844. Springer, Singapore. https://doi.org/10.1007/978-981-99-8479-4_12
33. Kosaraju, N., Sankepally, S.R., **Mallikharjuna Rao, K.** (2023). Categorical Data: Need, Encoding, Selection of Encoding Method and Its Emergence in Machine Learning Models—A Practical Review Study on Heart Disease Prediction Dataset Using Pearson Correlation. In: Saraswat, M., Chowdhury, C., Kumar Mandal, C., Gandomi, A.H. (eds) Proceedings of International Conference on Data Science and Applications. Lecture Notes in Networks and Systems, vol 551. Springer, Singapore. https://doi.org/10.1007/978-981-19-6631-6_26.
34. Babu, K.S., **Mallikharjuna Rao, K.** (2022). Onion Price Prediction Using Machine Learning Approaches. In: Chaki, N., Devarakonda, N., Cortesi, A., Seetha, H. (eds) Proceedings of International Conference on Computational Intelligence and Data Engineering. Lecture Notes on Data Engineering and Communications Technologies, vol 99. Springer, Singapore. https://doi.org/10.1007/978-981-16-7182-1_15 .
35. **Mallikharjuna Rao K.**, A Rama Sataish, (2022) A Comprehensive Study on Workloads in Cloud Computing. In: Bianchini M., Piuri V., Das S., Shaw R.N. (eds) Advanced Computing and Intelligent Technologies. Lecture Notes in Networks and Systems, vol 218. Springer, Singapore. https://doi.org/10.1007/978-981-16-2164-2_40.
36. **K Mallikharjuna Rao**, Dr. K Anuradha “An Efficient Method for Parameter Estimation of Software Reliability Growth Model using Artificial Bee Colony Optimization”, Springer-LNCS Series 5th Joint International Conference on Swarm, Evolutionary, and Memetic Computing – SEMCCO 2014, Odisha, India, ISSN: 0302-9743(P) 1611-3349 (E) Vol.8947, pp.765-776, August 2015, DOI: [10.1007/978-3-319-20294-5_65](https://doi.org/10.1007/978-3-319-20294-5_65).

Academic Contributions

- **Assistant Controller of Examinations** at IIIT Naya Raipur from August 16, 2022 to till date.
- **Website Coordinator** at IIIT Naya Raipur from August 16, 2022 to till date.
- **Coordinator Outreach** at IIIT Naya Raipur from August 16, 2022 to till date.
- **Member Alumni Relations Committee** at IIIT Naya Raipur from August 16, 2022 to till date.
- **Co-coordinator** Foreign Internships at IIIT Naya Raipur from September 17, 2021 to August 15, 2022
- **Member, Alumni Relations Committee** of VIT-AP University at VIT-AP University, Inavolu, Guntur, AP, India from July 2020 to August 2021.
- **Faculty Coordinator, CSI Chapter VIT-AP University** at VIT-AP University, Inavolu, Guntur, AP, India from Oct 2020 to August 2021.
- **Coordinator, News Letter** for School of Computer Science and Engineering (SCOPE) at VIT-AP University, Inavolu, Guntur, AP, India from September 2019 to August 2021.
- **Coordinator** Automation Anywhere University-Centre of Excellence at SVECW
- **Member of Departmental Project Review Committee** at SVECW.
- **Member** of Curriculum monitoring committee in department at SVECW
- **Convener** of Three days **National Workshop on Data Science & Big Data Analytics** at **GITAM University**, Visakhapatnam 13 June 2016 sponsored by DST, Govt. Of India.
- **Boys Hostel Coordinator** from June 2016 to May 2018 at **GITAM University**
- **TEQIP-II Academic Coordinator** at department level from the Department of IT at GITAM University from June 2012 to December 2016.
- Acted as **Academic Monitoring Committee Chairperson** for Four times at GITAM University.
- **Organizing Member** of National Conference on Emerging Trends in Information Technology (NCETIT-2013) at GITAM University, Visakhapatnam, 29-30 March 2013.
- **Member** of Curriculum monitoring committee in department at GITAM University.

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- **Guided** 16 UG projects at GITAM University.
 - **PG Project coordinator** at GRIET
 - **BOS Member** from the department at GRIET
 - **Placements in charge** from the department at GRIET
 - **Member** of Curriculum monitoring committee in department at GRIET.
 - **Guided** 16 PG and 23 UG projects at GRIET.

Academic Achievements

- Received appreciation certificate for **Session Chair** from IEEE WIECON-22 International Conference at IIIT Naya Raipur.
- Received appreciation certificate for delivering an invited talk in Two-days FDP on **Data Pre-processing and Statistical Learning** at PVSIT, Vijayawada.
- Received appreciation award for **SCINTIFIC-21** from IIIT Naya Raipur.
- Received appreciation certificate from **IEEE Tribes-21** Conference from **IEEE**.
- Received certificate from **AICTE Training and Learning (ATAL) Academy** for Online FDP on "**Data Sciences**" from 2021-1-18 to 2021-1-22 at **MSME -TECHNOLOGY DEVELOPMENT CENTRE (PPDC)**.
- Certificate of appreciation for the online quiz on "**Research Methodology**" organized by Department of CSE, KLE College of Engineering and Technology, Chikodi on 30/05/2020.
- Certificate of appreciation for Online Faculty Awareness Program on "**Research Methodology**" organized by Department of Mechanical Engineering, Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Pune-412206 during the period of 20/05/2020 to 25/05/2020 with a score of **83%**.
- Certificate of appreciation for the online quiz on "**Research Methodology**" IQAC, Vignana Bharathi Institute of Technology, Aushapur(V), Ghatkesar (M), Medchal (D) on 23/05/2020.
- Certificate of appreciation for **E-Quiz** on "**Artificial Intelligence and Robotics**", Organized by the Department of Instrumentation and Control Engineering in association with Instrument Society of India (ISOI)- Students Chapter, on 23.05.2020.
- Certificate of appreciation for the online quiz on "**Application of Parametric Test in Research**" organized by Senthil Research Advocacy forum, Tamilnadu from 20th May 2020 to 22nd May 2020 with score of 84%
- Certificate of appreciation for Online Faculty Awareness Program on "**Outcome Based Education and NBA Accreditation**" organized by Department of Mechanical Engineering, Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Pune-412206 during the period of 12/05/2020 to 17/05/2020.
- Certificate of appreciation for **E-Quiz** on "**Awareness Program on Intellectual Property Rights**" with score of **75%** organized by Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering Department of Mechanical Engineering on 15-5-2020.
- Participation certificate for webinar on "**Challenges in Cyber Security**" organized by Saveetha Engineering College, on 14.05.2020, Thursday.
- Participation certificate for the webinar on "**Blockchain Technology for New Era of Higher Education**" held on May 14, 2020 organised by Blockchain Study Circle, Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- E-certificate for one day faculty development programme on "**Effective Research and Proposal Writing**" hosted by Departments of CSE & IT, Sri Adi Chunchanagiri Women's College, Cumbum, on 13 May 2020.
- Participation certificate in the webinar on "**Introduction to Image Quality Measures**" organized by Chennai Institute of Technology on 13.05.2020.
- Certificate of appreciation for the online quiz on Awareness of "**Outcome-Based Education Paradigm among Teachers**" with a pass score of 100% organized by Department of Computer Engineering, Shree L.R. Tiwari College of Engineering, Thane on 13/05/2020.
- Certificate of appreciation for "**JAVA QUIZ**" organized by Department of Computer Engineering, NBN Sinhgad School of Engineering, Pune, on 13/05/20.
- Participation certificate for the webinar on Star Certified "**DevOps Expert**" organized by Star Certification on May 11, 2020.
- Certificate of appreciation for "**Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation**" organised by Sinhgad Institute of Technology and Science, Narhe,Pune on 7-5-2020.
- Certificate of appreciation for excellent performance in **World IPR day online quiz-2020** on 26-04-2020 organized by School of Life Sciences, B.S, Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai, India in association with **Unnat Bharath Abhiyan (UBA)**.
- Received **Appreciation Certificate** for Judgement of Paper & Poster Presentation, ASPIRE 2K18 from B.V. Raju College, Vishnupur, Bhimavaram.
- Nominated as an **observer** for multiple times for **AP State Level Police Recruitment Board Examinations**

Lab Manuals Prepared

- OOAD Using UML
- Data Warehousing and Data Mining
- Multimedia and Application Development

Organized Conference(S)/Workshop(S)/Seminar(S)/Staff Development Program(S):

- **Convener** of Three days **National Workshop on Data Science & Big Data Analytics** at **GITAM University, Visakhapatnam**, from 11-13 June 2016 sponsored by DST, Govt. Of India.
- **Organizing Member** of **National Conference on Emerging Trends in Information Technology (NCETIT-2013)** at

GITAM University, Visakhapatnam, 29th -30th March 2013.

- **Conducted 5-day Personality Development and Aptitude Training** at **GRIET**
- **Coordinator** of National level Technical Symposium **PRAGNYA 2009** at **Gokaraju Rangaraju Institute of Engineering and Technology**, Bachupally, Hyderabad.
- **Co-Coordinator** of **National Level workshop** on **Advanced Algorithms and Data Mining Techniques** for Young Scientists with collaboration of **AICTE**, at **Gokaraju Rangaraju Institute of Engineering and Technology**, Hyderabad, 17-21 November 2008.
- Organizing Committee Active Member of **International Conference on Advanced Computing Technologies (ICTACT 2008)**, at **Gokaraju Rangaraju Institute of Engineering and Technology**, Bachupally, Hyderabad, 26-27 December 2008.
- **Co-Coordinator** for **National Level Workshop** on **Advanced Computing Technologies** for Young Scientists with collaboration of **Department of Science and Technology**, at **Gokaraju Rangaraju Institute of Engineering and Technology**, Hyderabad.
- **Coordinator** of National level Technical Symposium **PRAGNYA 2008** at **Gokaraju Rangaraju Institute of Engineering and Technology**, Bachupally, Hyderabad.
- Acted as **Auditing Member** of Intra College auditing committee **Twice** at **GRIET**
- Organized National level Technical Symposium **PRAGNYA 2007** at **Gokaraju Rangaraju Institute of Engineering and Technology**, Hyderabad.
- Organized National level Technical Symposium **TECHNOSMEC- 2006** at **St. Martin's Engineering College**, Dhulapally, Secunderabad.

Participation in Continuing Education Programs/ Conferences/ FDP/workshops:

- Attended 60 hours FDP on “**AI and Deep Learning**” jointly organized by APSSDC and 360DigiTMG from 1-28 July 2020.
- Attended 30 days (60 hours) FDP on “**Data Science**” jointly organized by APSSDC and EXCELR from 1-30 June 2020.
- Attended 2-day FDP on “**OOAD with UML using IBM Rational Software Architecture (RSAD)**” organized by SCOPE, VIT-AP from 13 &14 November 2019.
- Attended 5-day FDP on “**Java and Python Programming**” organized by SCOPE, VIT-AP from 25-29 June 2019.
- Two days National workshop on “**Artificial Intelligence and Machine Learning**” (VITAIML-2K19) organized by SCOPE, VIT-AP from 22 & 23 June 2019.
- Attended one day workshop on “**NPTEL**” jointly organized by IIT Madras & GEC, at Gudlavalleru Engineering College on 6th Dec 2018
- Attended one day workshop on **Global Competitiveness JNANABHERI** at Andhra University, Visakhapatnam on 23 Aug. 2018 conducted by **Govt. of Andhra Pradesh**.
- Attended 10days **Faculty Development Program on Database Management Systems** at GITAM University organized by NITW and Electronic & ICT Academy 16-25 May 2016
- Attended 3days National workshop on **Recent Trends in Software Testing (RTST-2014)** at NIT Rourkela from 12th – 14th May 2014.
- Attended 2days Faculty Development Program on **Basics of Pedagogy** Advanced at GITAM University from 3rd – 4th May 2014
- Attended 2days workshop **Advanced MISSION-10X** at GITAM University from 3rd – 4th May 2012
- Attended 5days workshop **MISSION-10X** at GITAM University from 26th – 30th March 2012
- Attended 4days workshop on **Rational Application Developer 7.0** at GVPCE, Visakhapatnam from 28th Nov -1st Dec 2011.
- Attended National level workshop on **Artificial Intelligence - A Neural Network Approach** at **Vidya Vikas Institute of Technology**, Chevella, Rangareddy District.
- Participated in Two days **International Conference on Advanced Computing Technologies (ICTACT 2008)** from 26-12-2008 TO 27-12-2008 at GRIET, Hyderabad.
- Attended **National level Workshop on Emerging Trends in Data mining** at **Gokarju Rangaraju Institute of Engineering and Technology**, Bachupally, Hyderabad.
- Attended **IBM Rational Software Development Conference 2008** conducted by **IBM Pvt. Ltd** at Taj Krishna, Hyderabad.

SUBJECTS TAUGHT

AT PG LEVEL	AT UG LEVEL
1. CS347C: Data Mining and Machine Learning	1. CS347C: Data Mining and Machine Learning

<ol style="list-style-type: none"> 2. DA305C: Big Data- Tools and Techniques 3. Software Engineering 4. Software Testing Methodologies 5. OOAD Using UML 6. Software Project Management 7. Multimedia Application & Development 8. Data Warehousing and Data Mining 9. C Programming 	<ol style="list-style-type: none"> 2. DA305C: Big Data- Tools and Techniques 3. CSE1006 - Foundations for Data Analytics 4. CSE1005/ EURIT602 Software Engineering* 5. SWE3002/ EID304- Software Project Management 6. EID354 - Software Testing Methodologies 7. EURIT 701/ SWE2008-OOAD Using UML* 8. EURIT 504 - Artificial Intelligence 9. EHS407 - Professional Ethics 10. EURIT 727 - E-Commerce 11. EID302- Web Technologies 12. EURIT 402 - Java Programming 13. UGIT6T02/ EID356 - Data Warehousing and Data Mining* 14. EIT201- Computer Vision & Graphics 15. EID301/EURME 852-Database Management Systems** 16. EID201- Object Oriented Programming through C++ 17. EIT301 - Multimedia Application & Development 18. Principles of Programming Languages 19. EID 101- Programming with C
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* Taught in two different Universities/institutes

** Taught in same institute as a core for B.Tech. (IT) Regular and as an Inter-Departmental Elective for B.Tech. (Mech. Engg.)



MALLIKHARJUNA RAO K