

**Dr. B. MANJULA**

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**Residence**

29-1-18, Dwaraka City,  
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***"Education is the most Powerful Weapon which can use to Change the World"***

***...Nelson Mandela***

***"Life should be great rather than long" ... Dr. B. R Ambedkar***

**ACADEMIC QUALIFICATIONS:**

- Ph.D. in Computer Science in the Department of Computer Science from Kakatiya University, Warangal, (Title of the Thesis: Applications of data mining techniques in tracing the trends of business)
- M.Sc. (Information System) from Osmania University, Hyderabad.
- Bachelor of Computer Applications from Osmania University, Hyderabad

**EXPERIENCE:**

- Currently working as an Assistant Professor at Department of Computer Science, Kakatiya University Warangal from Feb, 2008 to till date
- Worked as an Academic Consultant in Osmania University Post Graduate College of Secunderabad, from August, 2004 to January, 2008.

**ADMINISTRATIVE EXPERIENCE:**

- **Chairperson**, Board of Studies, Department of Computer Science, Kakatiya University, Warangal during 2024 to till date.
- **Vice-Principal**, University College Kakatiya University, Warangal during 2023 to 2025
- **In-Charge Principal**, University PG College, Kakatiya University, Bhupalpally during 2023 to 2025
- **In-Charge Principal**, University PG College, Kakatiya University, Mahabubabad during 2023 to 2025
- **In-Charge Director** for University Computer Centre, Kakatiya University, Warangal during the 2020 to 2024.
- **Director**, Hostel Office, Kakatiya University, Warangal during the 2022 to 2023.
- **Head**, Department of Computer science, Kakatiya University, Warangal during the 2020 to 2022.

- **Principal**, University College of Engineering and Technology for Women's, Kakatiya University, Warangal during 2017 to 2019.
- **Chairperson**, Board of Studies, Department of Computer Science, Kakatiya University, Warangal during 2015 to 2018.
- **In-Charge Director** for University Networks and Website, Kakatiya University, Warangal during 2015 to 2017.
- **Head**, Department of Computer science, Kakatiya University, Warangal during the 2012 to 2014.
- **In-Charge Director** for University Computer Centre, Kakatiya University, Warangal during the 2012 to 2014.

**PATENTS:**

1. "AI-Powered Cybersecurity Monitoring Dashboard Device", Design No. 440470-001, 2024.
2. "System For Blockchain-Integrated Machine Learning Models in Distributed Cybersecurity Protection", Application Number: 202441099215, 2024
3. "Graphical User Interface for Secure Authentication Device", Design No. 451939-001, 2025.

**BOOKS PUBLISHED**

1. "Data Mining Techniques in Tracing the Trends of Business" ISBN-13:978-3-659-82147-9, ISBN-10:3659821470, EAN: 9783659821479, pages: 148, Lambert Academic Publishing (**LAP**), 2015-12-29, Germany.
2. "C++ Programming for Beginners-Foundations, Analysis and Examples", ISBN: 9789353479992, **BlueRose** Publishers, Page: 325, 2019
3. Futuristic Trends in Information Technology **Iterative International Publishers**, eISBN:978-93-6252-846-9 Volume 3 Book 3, pages: 256, 2024
4. "Getting Started with Python" **BlueRose** Publishers, ISBN: 978-93-5472-615-6, Page: 204, 2021
5. "Fundamental of Cyber Security" **Iterative International Publishers**, , e-ISBN :978-93-7020-897-1, pages 134, Volume: 5-2025

#### CHAPTERS PUBLISHED

1. "A Framework for Secure Mobile Cloud Computing", Advances in Intelligent Systems and Computing, **Springer**, Singapore, SCOPUS index, ISBN: 978-981-10-2470-34, pp 353-363, 2016.
2. "A Survey Study on SVD and Genetic Algorithm Based Digital Watermarking Techniques", Advances in Intelligent Systems and Computing, **Springer**, Singapore, SCOPUS index, ISBN: 978-981-10-2470-2, pp 7-16, 2016.
3. "Soft Computing Technique for Intrusion Detection System in Mobile Ad Hoc Networks", Soft Computing in Wireless Sensor Networks, SCOPUS index, **CRC Press**, Taylor & Francis Group, ISBN-13: 978-0-8153-9530-0, pages 20, 2018
4. "A Study of Sentiment Analysis: Concepts, Techniques, and Challenges" Lecture Notes on Data Engineering and Communications Technologies, **Springer**, Singapore, SCOPUS index, ISBN: 978-981-13-6458-7, pp 147-162, April 2019.
5. "A Study of Digital Banking: Security Issues and Challenges". Advances in Intelligent Systems and Computing, **Springer**, Singapore, SCOPUS index, ISBN:978-981-15-1479-1, pp 163-185, March 2020.
6. "An Integrated Approach to Reduce Class Imbalance", Intelligent Systems, **Springer** Nature, SCOPUS index, vol.431, [https://doi.org/10.1007/978-981-19-0901-6\\_35](https://doi.org/10.1007/978-981-19-0901-6_35), pp 381-392, 2022
7. "A New Method for Imbalanced Data Reduction Using Data Based Under Sampling". Soft Computing and Signal Processing. **Springer**, Singapore. [https://doi.org/10.1007/978-981-19-8669-7\\_22](https://doi.org/10.1007/978-981-19-8669-7_22), volume 313, pp 243-250, 2023.
8. "Watermarking the Digital Image Using Hybrid Approach" Research Developments in Science and Technology, Vol. 9, pp 136-155, <https://doi.org/10.9734/bpi/rdst/v9/2415A>, July 2022
9. "Network Traffic Analysis using Feature-Based Trojan Detection Method", Soft Computing and Signal Processing, **Springer**, Singapore. [https://doi.org/10.1007/978-981-99-8451-0\\_48](https://doi.org/10.1007/978-981-99-8451-0_48), vol 840, pp 559-567, 2024
10. "An Optimistic Oversampling Using K-Mean and Nearest Neighbor", Futuristic Trends in Information Technology, **Iterative International Publishers**, e-ISBN:978-93-

6252-846-9, Volume 3 Book 3, pp 27-31, DOI:  
<https://www.doi.org/10.58532/V3BK13P2CH1>, 2024

11. "An Artificial Intelligence-Based Chat-Bot System Using Natural Language Processing: A Study", Futuristic Trends in Information Technology, **Iterative International Publishers**, DOI: <https://www.doi.org/10.58532/V3BK13P2CH2>, Volume 3 Book 3, pp 32-42, e-ISBN:978-93-6252-846-9, 2024
12. "Mobile Banking – A Case Study of Pre-Authorization and Post-Authorization on Session Hijacking", Futuristic Trends in Information Technology, **Iterative International Publishers**, DOI: <https://www.doi.org/10.58532/V3BK13P2CH3>, Volume 3 Book 3, pp 43-52, e-ISBN:978-93-6252-846-9, 2024
13. "Brain Tumor Prediction using MRI Images Employing Convolutional Neural Network (CNN)" IoT and AI-Enabled Healthcare Solutions for Intelligent Disease Prediction, **CRC Press**, pp 227-240, 2025.
14. "Deep Learning Applications for Chronic Disease Detection and Prevention" IoT and AI-Enabled Healthcare Solutions for Intelligent Disease Prediction, **CRC Press**, pp 78-86, 2025.
15. "A Unified Layered Defense Strategy: Safeguarding Perimeters, Data, and Identities through Firewalls, Encryption, and Identity Management", Fundamentals of Cyber Security, **Iterative International Publishers**, e-ISBN :978-93-7020-897-1, Volume: 5, pp 10-20, 2025.
16. "Fundamentals of Cyber Security: Terminology, Types and Standards", Fundamentals of Cyber Security, **Iterative International Publishers**, e-ISBN :978-93-7020-897-1, Volume: 5, pp 1-10 2025.

#### **PAPERS PUBLISHED IN JOURNALS:**

1. "*Comparison of Multicast Routing Protocols in Ad-Hoc Wireless Networks*", International Journal on Computer Science and Engineering (IJCSE), ISSN: 0975-3397, Vol. 3 No. 2, PP.: 871- 876, Feb 2011
2. "*Quality of Service for Mobile Ad-Hoc Wireless Networks*", International Journal on Computer Science and Engineering (IJCSE), ISSN: 0975-3397, Vol. 3 No. 4, PP.: 1573-1577, Apr 2011.

3. "Analysis of Business Trends in Telecommunication", International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences, ISSN: 0974-3588, Vol. 4 Issue 2, PP.:194-199, JULY '11 – DEC '11.
4. "Comparison of Data Mining Versus Traditional Analysis in Textile Business", IFRSA International Journal of Data Warehousing & Mining, ISSN (Online): 2249 –2186 ISSN (Print): 2249 –7161, Vol.1 issue 1, PP. 32-37, Aug 2011.
5. "DFFS: Detecting Fraud in Finance Sector", International Journal of Advanced Engineering Sciences and Technologies, ISSN: 2230-7818, Vol. No. 9, Issue No. 2, PP. 178 – 182, IF: 4.39, Sep 2011.
6. "Study of Trends in Higher Education", International Journal of Computer Trends and Technology, ISSN: 2231-2803, Vol.1 issue 1, Page 6-10 Sep to Oct Issue 2011.
7. "Stock Prediction using Neural Network", International Journal of Advanced Engineering Sciences and Technologies, ISSN: 2230-7818, Vol. No. 10, Issue No. 1, pages 013 – 018, **SCOPUS** Index, IF: 4.39, Nov 2011.
8. "Secure Authentication Scheme for Mobile Ad Hoc Networks", International Journal of Mobile & Adhoc Network, ISSN (Online):22316825 ISSN (Print):2249-202X, Vol2 issue 1, page. 29-33, Feb 2012.
9. "Comparison of Data Mining and Web Mining", International Journal of Data Warehousing & Mining, ISSN (Online): 2249 –2186 ISSN (Print): 2249 –7161. Volume 2 issue 1, page 34-39, 2012.
10. "Instances Selection Using Advance Data Mining Techniques", International Journal of Computer Engineering and Technology (IJCET), ISSN 0976 –6367(Print), ISSN 0976 – 6375(Online), Volume 3, Issue 2, pp. 47-53, IF: 3.95, Jul- Sep 2012.
11. "Tracking the Trends of Financial Applications using Genetic Algorithm", International Journal of computer Applications, ISSN: 0975 – 8887, vol.48 no.16, pp.36-40, June 2012.
12. "Prediction of Stock Market Index using Genetic Algorithm", Computer Engineering and Intelligent Systems, ISSN 2222-1719(Paper), ISSN 2222-2863(Online), Vol. 3, No. 7, pp.162-171, **SCOPUS** Index, IF: 6.39. July, 2012.

13. "Prediction of Stock Market Index Using Neural Networks: An Empirical Study Of BSE", European Journal of Business and Management, ISSN 2222-1905 (Paper), ISSN 2222-2839 (Online), Vol. 4, No. 11, pp. 152-161, IF: 7.17, Aug 2012.
14. "A Novel Overview and Evolution of World Wide Web: Comparison from Web 1.0 to Web 3.0", International Journal of Computer Science and technology (IJCST), ISSN: 0976-8491 (Online), ISSN: 2229-4333 (Print), Vol. 4, Issue 1, page 349-354, Jan - Mar 2013.
15. "Virtual Classroom Pedagogy: New Tendency in Higher Education Institutions ", International Journal of Information and Computation Technology (IJICT), ISSN 0974-2239, Vol.3, No.7, pp.671-676, October 2013.
16. "Dynamic Computation of the Application between the Smart Mobile Device and Cloud Computing", International Journal of Computer Engineering and Technology (IJCET), ISSN 0976 -6367(Print), ISSN 0976 - 6375(Online), Volume 5, Issue 2, pp. 30-39, IF: 4.40, Feb 2014.
17. "Ethical Hacking Tools: A Situational Awareness", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), ISSN: 0976-1353 Volume 11 Issue 1, pp 33-38, NOVEMBER 2014.
18. "Prediction of BSE Stock Data using MapReduce K-Mean Cluster Algorithm", International Journal of Current Engineering and Technology, E-ISSN 2277 - 4106, P-ISSN 2347 - 5161 Vol.5, No.3 pp. 1636-1640, IF: 4.550, June 2015.
19. "A Study on Data Security and Privacy Protection Issues in Cloud Computing", International Journal of Computer Sciences and Engineering, <https://doi.org/10.26438/ijcse/v5i9.164170>, E-ISSN: 2347-2693, Vol.5 No.9, pp.163-170, Open Access, IF:3.43, Sep 2017.
20. "Reserved and Accountable Conversation Inside the Cloud", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), ISSN (Online) 2394-2320, Vol. 4, Issue 11, pp.103-105, SCOPUS Index, Nov 2017.
21. "A Study on Implementation of Trust and Reputation in Cloud Integrated Wireless Sensor Networks", International Journal in IT & Engineering, ISSN: 2321-1776, Vol.05 Issue-07, pp.48-53, IF: 6.341, July 2017.
22. "An Effective Method for Bigdata Mining Using Classification Algorithms" International Journal for Research on Electronics and Computer Science (IJRECS), V-10, I-8, ISSN-

2321-5485(Online) ISSN-2321-5784 (Print), pp 2749-2755, IF:2.97, **SCOPUS** index, Aug - Sep 2017

23. "Mobile Communication: Implication Issues". International Journal of Computer Trends and Technology (IJCTT) V49(1):9-14, ISSN:2231-2803. 10.14445/22312803/IJCTT-V49P102, July 2017.

24. "A New Technique to Secure Data Over Cloud" Jour of Adv Research in Dynamical & Control Systems, ISSN 1943-023X 11-Special Issue, IF:1.00, **SCOPUS** index, July 2017

25. "A Comprehensive Study on Single Sign on Technique" International Journal of Advanced Science and Technology (IJAST) ISSN:2005-4238E-ISSN:2207-6360 Vol-127, IF:0.5, **SCOPUS** index, June-2019

26. "Asymmetric AES Algorithm for Cloud Security" International Journal of Future Generation Communication and Networking, ISSN: 2233-7857, Vol. 12, No. 5, pp. 301-305, **ESCI** index, 2019.

27. "Security Issue Analysis on Cloud Computing Based System", International Journal of Future Generation Communication and Networking, ISSN: 2233-7857, Vol. 12, No. 5, pp. 143-150, **ESCI** index, 2019.

28. "Current Apprises of Opinion Mining Methods" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-2, DOI: 10.35940/ijeat.B3906.129219, pp 3511-3516, Open Access, IF:6.02, **SCOPUS** index, December, 2019

29. "Perusing on Cloud Computing and its Security Issues" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-2, DOI: 10.35940/ijeat.B5101.129219, pp 4529-4533, Open Access, IF:6.02, **SCOPUS** index, December, 2019

30. "An Efficient Approach on Big Data for Stock Prediction with the Aid of Optimal Machine Learning Approach" International Journal of Computer Sciences and Engineering, E-ISSN: 2347-2693, Vol.-7, Issue-2, pp.482-486, DOI: <https://doi.org/10.26438/ijcse/v7i2.482486>, IF:3.022, Open Access, **SCOPUS** index, Feb 2019.

31. "Extraction and Analyze Text in Twitter using Naive Bayes Technique" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-

3075, DOI: 10.35940/ijitee.D1568.029420, Volume-9 Issue-4, IF:6.03, **SCOPUS** index, February 2020

32. "Deep Learning Based Twitter Users Classification Using Sentiment Analysis" International Journal of Scientific & Technology Research ISSN, 2277-8616, VOLUME 9, ISSUE 03, IF:0.5, **SCOPUS** index, MARCH 2020
33. "A Peruse on Feature Specific: Quality Prediction of Product using Opinion Mining" International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-5, pp 2349-2354, 10.35940/ijrte.E5890.018520 IF:6.04, **SCOPUS** index, January 2020.
34. "A Recapitulation of Imbalanced Data", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-3, pp 452-455, IF:6.03, **SCOPUS** index, January 2020
35. "A Research Survey Report on Deep Learning Concepts" International Journal of Scientific & Technology Research, ISSN 2277-8616, VOLUME 9, ISSUE 02, 5883-5990, IF:0.5, **SCOPUS** index, FEBRUARY 2020.
36. "Implementation of Map Reduce using Fuzzy C-Medoids Clustering on Time-Series Stock Market Big Data for Prediction", TEST Engineering & Management, ISSN: 0193-4120, Page No. 14496-14507, Vol. 82, **SCOPUS** index, Jan/Feb 2020
37. "Efficient Multi-Level Encryption Procedure for Cloud Security", Journal of Mechanics of Continua and Mathematical Sciences, ISSN: 2454 -7190 ISSN (Print) 0973-8975, Vol.-15, No.-6, pp 402-410, **ESCI** Index, June 2020.
38. "*Competent multi-level encryption methods for implementing cloud security*", IOP Conf. Series: Materials Science and Engineering, ISSN: 1757-899X, Volume 981 022039, IOP Publishing doi:10.1088/1757-899X/981/2/022039. Open Access, Dec 2020.
39. "*Suitable encrypting algorithms in Parallel Processing for improved efficiency*", IOP Conf. Series: Materials Science and Engineering, ISSN: 1757-899X, Volume 981, 022017 IOP Publishing doi:10.1088/1757-899X/981/2/022017, Open Access, Dec 2020.
40. Face Recognition Technique in Unconstrained Environment Using CNN, Journal of Critical Reviews, **SCOPUS** index ISSN- 2394-5125 Vol 7, Issue 19, 2020

41. Asymptomatic Data: An Instance of Imbalance Data, journal of critical reviews, **SCOPUS** index, issn- 2394-5125 vol 7, issue 14, 2020.
42. Event Curation and Classification Technique based on Object Detection, International Journal of Multidisciplinary and Current Educational Research (IJMCER), **SCOPUS** index ISSN: 2581-7027, Volume 3, Issue 1, 2021.
43. SBST: SMS Based Secure Transaction for Mobile Banking, INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE, World Scientific Publisher, **SCOPUS** index, Online ISSN: 01290541, Volume 32, Issue 03 (April 2021)
44. A CNN TECHNIQUE FOR FACE RECOGNITION BASED ON IMAGE AESTHETICS, Vidyabharati International Interdisciplinary Research Journal, **SCOPUS** index, ISSN: 2319-4979, Special Issue on Multidisciplinary Academic Research in Current Era (October 2021).
45. Pre-Authorization and Post-Authorization Techniques for Detecting and Preventing the Session Hijacking, International Journal of Future Generation Communication and Networking (IJFGCN), **SCOPUS** index, ISSN: 2233-7857, Vol. 14, No. 1, pp. 359–371, 2021
46. An Efficient Machine Learning-Based Sentiment Analysis for Amazon Product Reviews, NeuroQuantology, **SCOPUS** index | Volume 20 | Issue 20 | Page 1661-1668 | doi: 10.48047/NQ.2022.20.20. NQ109170, December 2022.
47. A Hybrid Approach for Imbalanced Data Reduction using Oversampling and Under sampling, Journal of Xi'an University of Architecture & Technology, **SCOPUS** index ISSN No: 1006-7930, Volume XIV, Issue 9, 2022.
48. An Innovative Over Sampling Method for Imbalanced Data Reduction, AES, **SCOPUS** index, ISSN: 2096-3246, Volume 54, Issue 01, DOI: 10.5281/zenodo.6781601, June, 2022
49. An Approach in Ranking Photos, NeuroQuantology, **SCOPUS** index, | Volume 20 | Issue 5 | Page 1091-1098 | doi: 10.14704/nq.2022.20.5.NQ22500, May 2022.
50. Streaming machine learning algorithms with streaming big data systems. *Brazilian Journal of Development*, 10(1), 322–339, <https://doi.org/10.34117/bjdv10n1-021>, 2024,

51. An Event Detection Mechanism with Deep Feature Extraction and Optimal Loss Function Based XGBoost Classifier, *Frontiers in Biomedical Technologies*, **SCOPUS** index, Volume (11) issue (3), 2024
52. A heuristic assisted cyber-attack detection system using multi-scale and attention-based adaptive hybrid network, *Journal of Information Security and Applications*, **SCI** index ISSN 2214-2126, Volume 89, 2025, 103970, <https://doi.org/10.1016/j.jisa.2025.103970>.
53. Development of hybrid weighted networks of RNN and DBN for facilitating the secure information system in cyber security using meta-heuristic improvement *Wireless Network* (2025), **SCI** index Springer, volume 31, 3625–3660 (2025). <https://doi.org/10.1007/s11276-025-03955-x>

**PAPERS PUBLISHED IN CONFERENCE PROCEEDING- INTERNATIONAL/ NATIONAL LEVEL:**

1. "*E-Commerce and Data Mining: Ingredients and Challenges*", Five Day International Conference on Statistics, Probability, Operations Research, Computer Science and Allied Areas, by Andhra University, Visakhapatnam, Andhra Pradesh in conjunction with IISA and IPS during January 4-8' 2010.
2. "A Comparative Study on Grid Computing Vs. Cloud Computing", UGC Sponsored National Conference on Advances in Computational Intelligence and Computer Engineering –ACICE 2013. SPMV (women University) Tirupati, A.P., Pages no.31, 23-24 Oct 2013.
3. "*Mobile Cloud Computing: Challenges and Issues for the Next Generation Computing*", AICTE sponsored International Conference on Cloud Computing (ICCC2013), ISBN: 978-1-63041-906-6, Jayamukhi Institute of Technological Sciences, Warangal, AP. pp.23-30, 26-28 November 2013.
4. "*Database Migration Tool with Secure and Proper Error Handling Approach*", ISBN:978-93-5107-228-7, Proceeding in ICPVS2014 Conference, Kakatiya University, Warangal, University Press, PP. 188-198, 2014
5. "*Enhancement of Entrepreneurial skill for all adult Indians through e-learning*", ISBN:81901649-9, Proceeding in ICNGE3 2014 conference, SR Engineering college, Warangal, PP. 145-152, 2014.

6. "Extracting the Features of Web Images: Effective Methods of Image Mining Techniques", National Conference on Data Mining and Machine Learning (NCDMA-2014) ISSN:2278-0181, by S. V. University, Tirupati. 3 July, 2014.
7. "Grid Computing: Addressing Middleware Technologies" Two-day national conference on Recent Trends in Information Technology – NCRTIT 2014, Sponsored by UGC, ISBN 978-81-925229-5-1, organized by Sree Ayyappa College, Erramallikkara, Chenganur, Alappuzha(D), Kerala State. pp.5-8, 7th -8th March 2014

**PROGRAMS/WORKSHOPS CONDUCTED:**

1. Conducted an online workshop on "Java" with the collaboration of the Spoken Tutorial project (the initiative of the 'Talk to a Teacher' activity of the NMEICT, launched by the MHRD, Government of India) For B.Tech(CSE), MCA and M.Sc(Computer Science) students of all colleges under the jurisdiction of Kakatiya University from 19<sup>th</sup> August to 26<sup>th</sup> September 2013.
2. Conducted a training program on "Office Management and Computer Applications", for University Non-Teaching employees from 21st August 2013 to 5th September 2013.
3. Conducted a two-week training program on "Fundamentals of Information Technologies", for Women students of University Campus Colleges from 4th to 16th November 2013
4. Conducted a two-days National Workshop on "Research Methodologies and Issues in Computer Science and Information Technology" sponsored by UGC, for Faculty, Scientists, Engineers, Technologists, Stakeholders, and Persons from industry from 27<sup>th</sup> to 28th March 2014
5. Conducted a One-day workshop on "SPSS 22 Application" in collaboration with IBM; for Internal Faculty, HOD's and researcher of Kakatiya University on 5th July 2014
6. Conducted a Two-Day National Workshop On "Internet of Things (IoT)" for B.Tech Students and Faculty from 17th and 18th February 2018 at UCETW, KU, Warangal.
7. Organized a Three-Day National Level Symposium "RUBYZEST'19" for all Engineering College Students, during 28<sup>th</sup> to 31<sup>st</sup> March 2019 at UCETW, KU, Warangal.

**GUEST LECTURES:**

1. Delivered a lecture in the Two-Day workshop on "Application of Computers in Biology and Bioinformatics", Department of Zoology, Kakatiya University, Warangal during 6-7<sup>th</sup> October 2010.
2. Delivered a lecture on "Computer awareness for the research scholar", Department of English, Kakatiya University, Warangal.
3. Delivered lecture on "Developing programming skills through JAVA and Applet programming in JAVA" Akarapu SharathChandrikadevi Memorial U.G. & PG. College for Women, Fortroad, Warangal during 25-03-2013.
4. Delivered a lecture on "Current trend in programming languages", ABV Govt. Degree and PG College, Jangan, Warangal 2013.
5. Session head for "National Conference on Emerging Trends in Wireless Communication Networks" (NCETWCN-13) AIMS, Warangal during the April 16th & 17th 2013
6. Delivered a lecture on "*Fundamentals of Information Technology*" for university women students organized by dept. of Computer Science, KU, Warangal.
7. Delivered a lecture on "*Emerging trends in Data warehousing and Emerging trends in Data Processing*" Telangana university Nizamabad during 03<sup>rd</sup> March 2014
8. Delivered a lecture on "*Software testing and reuse*" Kavitha PG College, Khammam during 06-11-2016.
9. Delivered a lecture on "*Data mining and reuse*" Kavitha PG College, Khammam during 31-12-2016
10. Delivered a lecture on "*Cloud Computing Tools*" in Latest career prospects in IT Industry, Maulana Azad National Urdu University, Hyderabad during 07-03-2017
11. Delivered a lecture on "*A framework for secure mobile cloud computing & Big data analytics*" in Personality Development & Employability Skills, Maulana Azad National Urdu University, Hyderabad during 08-03-2017
12. Session head for "*International conference on Innovations & Discoveries in Science, Engineering and Management (ICIDSEM-2018)*", held On 9<sup>th</sup> and 10<sup>th</sup> April 2018 at Vaageswari College of Engineering, Karimnagar, Telangana.

13. Delivered a talk as *Key note Speaker* for "*International conference on Innovations & Discoveries in Science, Engineering and Management (ICIDSEM-2018)*", held On 9<sup>th</sup> and 10<sup>th</sup> April 2018 at Vaageswari College of Engineering, Karimnagar, Telangana.
14. Delivered a talk in webinar on "*Artificial Intelligence: Concepts and Applications*" conducted by Department of MCA on 13/04/2019.
15. Delivered a talk as keynote speaker in Webinar on "*Artificial Intelligence*" on 14th AUG 2020, being organized by the Department of CSE, Vaageswari College of Engineering, Karimnagar, TS
16. Delivered a lecture on "*Recent Trends in Machine Learning*", in National Webinar organized by Department of Computer Science, TSWRDC(W), Adilabad held on 28<sup>th</sup> January 2021.
17. Guest Lecture on "*Research trends and application of Machine Learning*" for B.Tech students at Department of CSE, Vaageswari College of Engineering, Karimnagar, TS on 12-01-2021
18. Delivered a lecture in FDP on "*High performance computing*" Department of CSE, Vaageswari College of Engineering, Karimnagar, TS on 01-03-2023
19. Delivered a lecture in FDP on "*Machine learning and Big data analytics*" Department of MCA, Vaageswari College of Engineering, Karimnagar, TS on 25-10-2023
20. Delivered a lecture in FDP on "*Big data analytics with Hadoop-Apache Spark*" Department of MCA, Vaageswari College of Engineering, Karimnagar, TS on 01-12-2023.
21. Delivered a lecture in FDP on "*Artificial Intelligence Technique in Data Mining*" Department of CSE, Vaageswari College of Engineering, Karimnagar, TS on 02-01-2024.

#### **WORKSHOPS / SEMINARS / TRAINING AND FACULTY DEVELOPMENT PROGRAMMES**

1. A *Refresher Course on "Data Warehousing and Data mining"* Sponsored by MHRD Govt. of India, conducted by Dept. of computer science & Engineering, National Institute of Technology, Warangal during May 18-30' 2009.
2. *Two Day workshop on "Data Mining"* Sponsored UGC, conducted by Dept. of Informatics, Kakatiya University, Warangal during March 21-22' 2009.

3. "19<sup>th</sup> Orientation Course", Sponsored by UGC and conducted by Academic staff college, JNTU Hyderabad, during 28-02-2011 to 30-03-2011.
4. A Refresher Course on "Free and Open-source Software for Embedded Systems Development", Sponsored by UGC and conducted by Academic staff college, JNTU Hyderabad, during 25-02-2013 to 16-03-2013.
5. "Orientation Program for Young Teachers from University in Telangana State" Sponsored by UGC and APSCHE conducted by IQAC, kakatiya university, Warangal, during 15-22 Dec 2014.
6. Two-week ISTE STTP on "Introduction to Design of Algorithms" Sponsored by National Mission on Education through ICT (MHRD Govt.) of India, conducted by Dept. of CSE, NIT Warangal and IIT Kharagpur during 27th April to 30th May, 2015.
7. A three-day national level workshop on "Network Simulation Using NS2" conducted by Dept. of IT, JNTUHCEJ, Karimnagar during 5<sup>th</sup> to 7<sup>th</sup> March 2014
8. Two-week FDP on "Big data Analytics and Internet of Things" Sponsored by National Mission on Education through ICT (MHRD Govt. of India), conducted by Dept. of CSE, NIT Warangal during 22<sup>nd</sup> to 31<sup>st</sup> May, 2017.
9. A Refresher Course on "Mathematics (ID-Statistics and Computer Science)" , Sponsored by UGC-HRDC and conducted by Academic staff college, Osmania University, Hyderabad, during 30-01-2017 to 18-02-2017.
8. One-week AICTE Training and Learning (ATAL) Academy FDP on "Cyber Security" at NIT WARANGAL during 30-09-2019 to 04-10-2019.
9. One-week AICTE Training and Learning (ATAL) Academy FDP on "Artificial Intelligence" at NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL during 19-11-2019 to 23-11-2019
10. One-week AICTE Training and Learning (ATAL) Academy FDP on "Blockchain" at NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL during 09-11-2019 to 13-11-2019
11. One-week AICTE Training and Learning (ATAL) Academy FDP on "Internet of Things (IoT)" at National Institute of Technology, Warangal during 11-05-2020 to 15-05-2020
12. One-week FDP on "LaTeX & Technical Report Writing", by Department of Mathematics, Kakatiya University, Warangal during 25 - 30 May, 2020.

13. Webinar on "The role of Artificial Intelligence during pandemic situation" Organized by Department of MCA, Vaageswari College of Engineering-Karimnagar (TS) during 18<sup>th</sup> June 2020.
14. Webinar on "Impact on Covid-19 On the Future of Higher Education – Challenges and Opportunities" by Lead India Foundation during 4<sup>th</sup> July 2020.
15. One-week Online STC "E-Content Development and Online Pedagogy" by UGC-HRDC and conducted by Academic staff college, JNTU, Hyderabad from 13/12/2021 to 18/12/2021
16. Two Week Online Refresher Course "Artificial Intelligence" by UGC-HRDC and conducted by Academic staff college, JNTU, Hyderabad from 23/05/2022 to 04/06/2022
17. Online Short-Term Course "Artificial Intelligence, Machine Learning & Deep Learning" by Dept. of CSE, NIT Warangal in association with Centre for Continuing Education (CCE), NIT Warangal from 29-05-2023 to 02-06-2023