Dr. B. MANJULA
Assistant Professor,
Department of Computer Science,
Kakatiya University,
Warangal-506009, TS, India
Email : manjulabairam@kakatiya.ac.in

Residence
29-1-18, Chintagattu Camp,
Maharshi Goshala Road,
Chintagattu Hasanparthy,
Warangal Urban-506015, TS, India
Email: manjulabairam@gmail.com

"Education is the most Powerful Weapon which can use to Change the World"
...APJ Abdul Kalam

"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:

➢ **Head**, Department of Computer science, Kakatiya University, Warangal during the 2020 to till date.

➢ In-Charge Director for University Computer Centre, Kakatiya University, Warangal during the 2020 to till date.

➢ **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.

BOOKS AND CHAPTERS PUBLISHED

1. Book: "**Data Mining Techniques in Tracing the Trends of Business**" ISBN-13:978-3-659-82147-9, ISBN-10:3659821470, EAN: 9783659821479, Numbers of pages: 148, **LAP** (Lambert Academic Publishing), 2015-12-29, Germany.

2. Chapter: "A Framework for Secure Mobile Cloud Computing", ISBN: 978-981-10-2470-34, Published by AISC series of **Springer**, Singapore, SCOPUS index, 2016.

3. Chapter: "A Survey Study on SVD and Genetic Algorithm Based Digital Watermarking Techniques", ISBN: 978-981-10-2470-2, Published by AISC series of **Springer**, Singapore, SCOPUS index, 2016.

4. Chapter: "Soft Computing Technique for Intrusion Detection System in Mobile Ad Hoc Networks", ISBN-13: 978-0-8153-9530-0, **CRC Press**, Taylor & Francis Group

5. Chapter: "A Study of Sentiment Analysis: Concepts, Techniques, and Challenges" Published by Lecture Notes on Data Engineering and Communications Technologies, ISBN: 978-981-13-6458-7, **Springer**, Singapore, SCOPUS index, April 2019.

6. Book: **"C++ Programming for Beginners–Foundations, Analysis and Examples",** ISBN: 9789353479992, Publisher: **BlueRose** Publishers, Page Count: 325, 2019

7. Chapter: "A Study of Digital Banking: Security Issues and Challenges". Published by Advances in Intelligent Systems and Computing, ISBN:978-981-15-1479-1, **Springer**, Singapore, SCOPUS index, March 2020.

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, E-ISSN: 2347-2693, Vol.5 No.9, pp.163-170, Open Access, 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, **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.

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

8. "A Framework for Secure Mobile Cloud Computing", ISBN: 978-981-10-2470-34, Proceedings of ICCII-2016 by JNTU, Hyderabad during May 28 -30, 2016

9. "A Survey Study on SVD and Genetic Algorithm Based Digital Watermarking Techniques", ISBN: 978-981-10-2470-2, Proceedings of ICCII-2016 by ICCII-2016 at JNTU, Hyderabad during May 28 -30, 2016.

10. "A Study of Sentiment Analysis: Concepts, Techniques, and Challenges" Proceedings of International Conference on Computational Intelligence and Data Engineering, ISBN: 978-981-13-6458-7, DOI: https://doi.org/10.1007/978-981-13-6459-4_16 April 2019.

11. "A Study of Digital Banking: Security Issues and Challenges". Proceedings of the Third International Conference on Computational Intelligence and Informatics. ISBN:978-981-15-1479-1, https://doi.org/10.1007/978-981-15-1480-7_14, March 2020.

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 19th August to 26th 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 27th 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 28th to 31st 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 6-7th 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 03rd 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 0n 9th and 10th 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 0n 9th and 10th April 2018 at Vaageswari College of Engineering, Karimnagar, Telangana.

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. *"19th Orientation Course",* Sponsored by UGC and conducted by Academic staff college, JNTU Hyderabad, during28-02-2011 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 5th to 7th 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 22nd to 31st 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.

12. One-week AICTE Training and Learning (ATAL) Academy FDP on "Cyber Security" at NIT WARANGAL during 30-09-2019 to 04-10-2019.

13. 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

14. 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

15. 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

16. One-week FDP on "LaTeX & Technical Report Writing", by Department of Mathematics, Kakatiya University, Warangal during 25 - 30 May, 2020.

17. Webinar on "The role of Artificial Intelligence during pandemic situation" Organized by Department of MCA, Vaageswari College of Engineering-Karimnagar (TS) during 18th June 2020.

18. Webinar on "Impact On Covid-19 On The Future Of Higher Education – Challenges And Opportunities" by Lead India Foundation during 4th July 2020.