

**Mrs. K.MANOHARI M.C.A.,M.Phil., (Ph.D)**

HEAD and ASSISTANT PROFESSOR

DEPARTMENT OF COMPUTER SCIENCE

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**CONTACT DETAILS**

**OFFICE ADDRESS**

Theivanai Ammal College for Women (Autonomous),  
Villupuram ,  
Chennai-Trichy Trunk Road, Villupuram-605 604.

**RESIDENTIAL ADDRESS**

No.160, Ramakrishna street, S,I,S Nagar, Vazhudhareddy,  
Villupuram. 605 402

**QUALIFICATION**

- B.Sc.(Computer Science), Theivannai Ammal College for Women, Madras University,2003.
- M.C.A, Theivannai Ammal College for Women, Thiruvalluvar University,2006
- M.Phil.,Alagappa University, Karaikudi ,2007.
- Ph.D., (Pursuing).Theivannai Ammal College for Women, Thiruvalluvar University,2019.

**TEACHING EXPERIENCE**

- Assistant Professor, Thiruvalluvar Arts and Science College, Kurinjpadi ,  
16<sup>th</sup> June 2007 to 19<sup>th</sup> Feb 2007.
- Assistant Professor, Theivanai Ammal College for Women (Autonomous), Villupuram,  
3<sup>rd</sup> Oct 2008 to till date.

## **AREA OF SPECIALIZATION**

- Artificial Intelligence
- Big Data
- Cloud Computing
- Data Mining
- Networks
- Software Engineering
- Cyber Security
- Operating system

## **PARTICIPATION IN THE CONFERENCE/WORKSHOP/SEMINAR/WEBINARS**

- Professional Competency Building for College Teachers, Theivanai Ammal College for Women, Villupuram, Nov 30 , 2009.
- Preparing Young Teachers for Autonomy, Theivanai Ammal College for Women, Villupuram, Jun 9 to 12, 2010.
- Workshop on “ Testing and Evaluation ” ,Theivanai Ammal College for Women, Villupuram ,Mar 20, 2010.
- Orientation Programme on Industry –Institute Interface, Theivanai Ammal College for Women, Villupuram, Feb 9, 2009.
- State Level Seminar-“Image Processing”, Theivanai Ammal College for Women, Villupuram, Feb 26, 2011.
- Orientation Programme on Soft skills ,Theivanai Ammal College for Women, Villupuram, Feb 24 &25, 2011.
- Workshop on “ Technology Enhanced Learning and Evaluation”, National Testing Service Mysore, Jan 27 & 28, 2012.
- State Level Seminar-“Cryptography”,Theivanai Ammal College for Women, Villupuram, Feb 8,2012
- Workshop on “Cloud Infrastructure and Services ”,ICT Academy of Tamilnadu, Theivanai Ammal College for Women, Villupuram ,Sep 14 to 18,2015,(5 days)
- Workshop on “ANDROID APPLICATION”,ICT Academy of Tamilnadu ,Manakula Vinayaka Engineering College, Madagadipattu, 29 & 30,June 2016.
- Workshop on “R Programming”, ICT Academy of Tamilnadu, Krishnaswamy College of Engineering,Cuddalore,9 &10 Dec,2016.
- Datacenter Virtualization Fundamentals, Theivanai Ammal College for Women, Villupuram, 22 to 24 Nov,2016.

- Python Programming, Manakula Vinayaka Engineering College ,Madagadipattu, 5 Jun ,2016.
- Seminar –Revised Assessment and Accreditation Framework of NAAC, Theivanai Ammal College for Women, Villupuram,1<sup>st</sup> OCT,2019.
- National seminar –Data Science and Machine Learning, Theivanai Ammal College for Women, Villupuram,18 Sep,2019.
- **R training programme, Spoken Tutorial, IIT Bombay**, Ramakrishna college of Arts and Science,March 1 2020.
- **FDP & Passed online exam in Java, Spoken Tutorial, IIT Bombay**, Zeal College, Pune Apr 5 to 13 · 2020.
- **Passed online exam, In Python, Spoken Tutorial, IIT Bombay**, Sakthi Kailash college Apr 23,2020.
- Online Webinar-Enhancing coding skills with python, Saradha college for women, salem May 8 ,2020.
- International Webinar-Cloud Computing, Sri Akiladeswari college,wandiwash 27 June, 2020.
- Presented paper in International Web Conference(ICMMIS'20),**Predicting Analysis of Adolescent Diabetic using Big Data**, Banari Amman Institute of Technology,Sathyamangalam,23 &24 July,2020.
- **International Webinar-AICTE sponsored , Challenges and opportunities in implementing IOT and Machine learning for Smart Grid Distribution System**, Kongunadu college of Engineering and Technology,18 to 23 Jan, 2021.
- Two Week International Faculty Development Programme On The Era Of Change - Recent Advancements Of Machine Learning In Terms Of AI &IOT Organised by Department Of Computer Science And Applications, SRM Institute of Science And Technology, Ramapuram, Chennai From 12.07.2021 To 25.07.2021
- Astro Club and Meghnad Saha Science Center-Science and Society,Research and Development Cell and Science Departments, Theivannai Ammal College for Women(A),Villupuram,22 Aug 2021.
- International Faculty Development Programme-Research Perspectives on New Age Technologies,Nallamuthu Gounder Mahalingam College,Pollachi, 03 to 10 Aug 2021.
- National Faculty Development Programme-Perceptions Of Research, Paper Publication and Overview of Patent Filing, SRM Institute of Science and Technology, Ramapuram, Chennai from 25.08.2021 to 27.08.2021 in Online Mode.

- **Innovation Ambassador training** (Foundation Level, Total 16 Sessions of 30 contact hours) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.
- Astro Club and Meghnad Saha Science Center –Atomic Energy,Research and Development Cell and Science Departments,Theivannai Ammal College for Women(A),Villupuram,22 Aug 2021.
- Attended ICT ACADEMY Faculty Development Program on Fundamentals of AI from 13.09.2021 to 17.09.2021
- Attended Two Days Webinar on Professional Development Programme by IQAC, Theivanai Ammal College for Women on 18.06.2021 and 19.06.2021.
- Attended Two weeks International FDP on The ERA of Change –Recent Advancements of Machine Learning in terms of AI and IOT by SRM Institute of Science and Technology, Chennai from 12.07.2021 to 25.07.2021
- Attended Science and Society Organized by Research & Development cell ,Theivanai Ammal College on 22.07.2021
- Attended Three Days National level FDP on Perceptions of Research, Paper Publication and Overview of Patent Filing by SRM Institute of Science and Technology, Chennai from 25.08.2021 to 27.08.2021
- Attended 7 days International FDP on Research Perspectives on New Age Technologies Conducted by Nallamuthu Gounder Mahalingam College, Pollachi from 3.08.2021 to 10.08.2021
- Attended International Webinar on Cyber Security in Middle East Conducted by Nallamuthu Gounder Mahalingam College,Pollachi on 3.09.2021
- Attended One day Workshop on IPR-Patent & Designs Process Conducted by Central University of Haryana on 22.09.2021
- **Completed NPTEL 8 weeks Online Course in Big Data Computing and got Certificate Conducted by Indian Institute of Technology, Kanpur**
- Attended workshop on Outcome Based Education-Mapping/Attainment by Curriculum Development Cell, Theivanai Ammal College for women on 24.09.2021.
- Attended International Conference and Presented Paper entitled as **FAKE DETECTOR: Effective Fake News Detection with Passive Aggressive Algorithm in Smart Technologies in Computer Science** Conducted by Srimath Sivagnana College on 12.10.2021
- Attended two days Workshop on Role of IPR on Innovation-Artificial Intelligence and Machine Learning by Pantech E-learning from 09.12.2021 to 10.12.2021.
- Participated in Workshop on Development of **e-Content Delivery Management System** on March 16<sup>th</sup>, 2022 at Theivanai Ammal College for Women, Villupuram

- Participated and presented paper on title **Diagnosis of Adolescent diabetes based cardiac risk Prediction using Map Reduce Algorithm with Hadoop clustering and using Hybrid Architecture of Neural Network** in International conference on Management ,Engineering, Science and Humanities
- Participated in National Conference on **Research Process –An overview** on 17<sup>th</sup> September, 2022 at E.S College College of Nursing, Villupuram
- Attended 5G Confluence 2022 association with Telecom Skill Sector Council Scheduled on 21<sup>st</sup> December, 2022
- Participated and presented paper on title **Predictive Analysis of Diabetes using Big Data** in International conference on Advanced Computing and Cyber Warfare ICACW-2022 on 29<sup>th</sup> and 30<sup>th</sup> April, 2022 at Joseph Arts and Science College, Kallakurichi

## PUBICATIONS

1. Manohari K, Mar 2015, 'Estimation of Multi-Jammer Localization problem Using RSS-Based Spatial Correlation in Wireless Network', Journal of Recent Research in Engineering and Technology (JRRET), Vol.20, no. 3, pp.2349-2260 (ISSN : 2349-2252).
2. Manohari K, Mar 2015, 'Efficient Dynamic Cellular Traffic Offloading Delay Tolerant Networks', Journal of Recent Research in Engineering and Technology (JRRET), Vol.20, no. 3, pp.2349-2260 (ISSN : 2349-2252).
3. Manohari K, Mar 2015, 'Detection of DDos Attacks using Distributed Change point Detection', Journal of Recent Research in Engineering and Technology (JRRET), Vol.20, no. 3, pp.2349-2260 (ISSN : 2349-2252).
4. Manohari K, Feb 2016, 'Enhanced Secure Online Reputation Defence System From Fraud Rating using Anomaly Detection for Mobile APPs', International Journal of Emerging Technology in Computer Science And Electronics (IJETCSE), Vol.20, no. 2, pp.V20I2P212 (ISSN : 0976-1353).
5. Manohari K, Feb 2016, 'Location Based Services By using RSASSOL Algorithm for Time Consumption in Mobile Computing', International Journal of Emerging Technology in Computer Science and Electronics (IJETCSE), Vol.20, no. 2, pp.V20I2P212 (ISSN : 0976-1353).

6. Manohari K, June 2017, 'Detecting Gray Hole and Black Hole Attacks Using Idea Cryptography', International Journal for Research and Development in Technology (IJRDT), Volume-7, Issue-6, (ISSN NO: - 2349-3585)
7. Manohari K, APR 2018, 'Measuring User Reputation on Twitter using Page Rank Algorithm', International Journal of Engineering Science Invention (IJESI), Volume-18, Issue-23 (ISSN NO: 2319-6726)
8. Manohari K, APR 2019, 'Enhanced Topic Re-Hotting Prediction Model using Key term graph construction in OSN', International Journal of Scientific Research and Review (IJSRR), Volume-08, Issue-4, (ISSN NO: 2279-543X)
9. Manohari K, Jan 2020, 'A Survey on Data sharing Mechanism of Cloud Storage in Big Data', International Journal of Research in Engineering, Science and Management (IJRESM), Volume-3, Issue-1, (ISSN No: 2581-5792).
10. Manohari K, Dec 2020, 'A Distributed Data Securing Model to Mitigate Security Risks in Cloud Computing', Science, Technology and Development journal (STD), Volume-9, Issue-12, (ISSN NO: 0950-0707)
11. Manohari K, "A Systematic Review on Disease Prediction in Big Data with optimization and Map Reduce Framework". International Journal of Future Generation Communication and Networking, (Web of Science) Volume 13, Issue 4, (2020), ISSN: 42034209.
12. Manohari K, Keerthika A, "Machine Learning Techniques for Driver Drowsiness Detection", Journal of The Maharaja Sayajirao University of Baroda, Vadodara, Volume: 55, Issue No. 1 (IV), Pages: 1-9, (2021), ISSN No: 0025-0422 (UGC Care Group 1 Journal).
13. Manohari K, Sandhiya R, "Train Delay Prediction using Machine Learning", Journal of the Maharaja Sayajirao University of Baroda, Vadodara, Volume: 55, Issue No. 1 (IV), Pages: 63-69, (2021), ISSN No: 0025-0422 (UGC Care Group 1 Journal).
14. Manohari K, Indhumathi E, "E-Commerce Product Comparison Portal for classification of customer data based on Data Mining", Journal of The Maharaja Sayajirao University of Baroda, Vadodara, Volume: 55, Issue No. 1 (IV), Pages: 32-43, (2021), ISSN No: 0025-0422 (UGC Care Group 1 Journal).

15. Manohari K, Aug 2021, “A Survey on Fake Detector of Effective Fake News Detection in Big Data,International Journal of Research in Engineering ,Science and Management (IJRESM),Volume-4,Issue-8,(ISSN No:2581-5792).
16. Manohari K,Manimekalai S Dr, “ Diagnosis of Adolescent Diabetes based Cardiac risk Prediction using Map Reduce Algorithm with Hadoop Clustering and using Hybrid Architectures of Neural Network ”,Design Engineering ,ISBN:978-93-91535-16-2,2022
17. Manohari K, MS. Ayisha Banu P, Ms. Kiruthiga M, Ms. Sujitha A,” Card-Less Atm Transaction Using Retinal And Face Recognition using CNN Algorithm,”Journal of Stochastic Modeling and Applications,ISSN:0972-3641,Vol.26 No.3,Special issue 2022,part-9,UGC CARE APPROVED JOURNAL.
18. Manohari K,Hema G,” A Crossbreed Data Storage for Sheltered Data Duplication”, Journal of Algebraic Statistics Volume 13, No. 2, 2022, ISSN: 1309-3452
19. Manohari K,Dhivya S,” Face Mask and Social Distance Detection Using Artificial Intelligence”, Journal Of Algebraic Statistics Volume 13, No. 2, 2022, ISSN: 1309-3452
20. Manohari K,Manimekalai S Dr, “Prediction of COVID-19 for Diabetes Patients using Pretrained Convoluted Recurrent Neural Network and fast 3D Convolutional neural network with U-net++”,Journal of Algebraic Statistics ,Volume 13,Issue No.2,2022,ISSN: 1309-3452(web of Science).

## **PATENT**

### **TOPIC :A Method to Detect and Classify Epileptic seizure**

Publication date: 2021

Patent office ID Patent number :202141049990

## **AWARDS AND ACHIEVEMENTS**

- Best **Co-ordinator Award** from TACW for NAAC visit 2016.
- Received Award in **Academic Excellence** award by GRT Women Achievement awards 2023
- **Best Technological Innovation** Award in International Conference, Advancing Knowledge from Multidisciplinary perspectives in Agricultural ,Life Sciences Engineering and Technology-2023

## **ACADEMIC AND ADMINISTRATIVE RESPONSIBILITY**

- Student welfare Coordinator
- Automation Coordinator
- Autonomy Work
- AQAR work
- Faculty Development Coordinator
- Question paper setting, Paper valuation and Semester Practical Examiner
- Department International, National and Seminar Organizer
- Admission Committee
- Department workload and Timetable
- Academic Affairs in the Department
- National Cyber Security Member
- Exam Control Room Coordinator
- Grievance Cell Member
- Institute and Innovation Cell Member

## **ACADEMIC MEMBERSHIP**

- National Cyber Safety and Security Standards (A self government Body),New Delhi.
- Board of studies- Member of the Board of studies at Theivanai Ammal college.
- Academic Council- Member of the Academic Council meeting at Theivanai Ammal college.



### **ANY OTHER ACTIVITIES**

- Given Demo to Faculty for Admission Registration
- Given Demo to Faculty for LMS
- Given Demo to Faculty for Online Class in Microsoft Teams
- Given Demo to Student for NME Online Registration
- Given Demo to Faculty for Downloading Daily Reporting Details

**Place: Villupuram**

A handwritten signature in blue ink, appearing to read 'K. Manohari', on a white rectangular background.

**(MANOHARI.K)**