Dr.M.RAGHINI., B.Tech., M.E., Ph.D.
Assistant Professor I
Department of Artificial Intelligence and Data Science
Velammal College of Engineering and Technology, Madurai
e-Mail Id: mrp@vcet.ac.in, raghinimohan@gmail.com
Blog Address:-

Educational Qualification:

Degree obtained	Year	University/Institute	Any other details
Ph.D –(I.C.E)	2017	Anna University, Chennai	Highly Commended
M.E –C.S.E	2008	Anna University, Chennai / PSNA College of Engineering and Technology	First Class with Distinction
B.Tech –Information Technology	2006	Anna University, Chennai / PSNA College of Engineering and Technology	First Class with Distinction

Experience in Years: 13.9 years
Employment History:

Position held	Employer	Date/s (From-To)
Assistant Professor, Department of Artificial Intelligence and Data Science	Velammal College of Engineering and Technology, Madurai, India	11-09-2023 to till date
Assistant Professor I, Department of Computer Science	Velammal College of Engineering and Technology, Madurai, India	16.08.2021 to 28-02-2022
Associate Professor 1, Department of Computer Science	K. L. N. College of Engineering,	01.12.2018 to 13.08.2021 (2 years 8 months)
Assistant Professor (Sr.Gr), Department of Computer Science	K. L. N. College of Engineering	01.09.2013 to 30.11.2018 (5 years 3 months)
Assistant Professor 2, Department of Computer Science and Engineering	K. L. N. College of Engineering	01.12.2012 to 31.08.2013 (9 months)
Assistant Professor 2, Department of Information Technology	K. L. N. College of Engineering	01.07.2010 to 30.11.2012 (2 years 5 months)
Lecturer, Department of Information Technology	K. L. N. College of Engineering	19.05.2008 to 30.06.2010 (2 years 1 month)

Interested Research Areas:

Wireless Network**,** Network Security, Database Management Systems, Big Data Analytics, Block Chain.

Details of scholar pursing Ph.D:

Thesis Supervisor, Associated with Liverpool John Moores University, Liverpool, England.

Email Id	Name	Contact Number	Country	Cohort	You would like to pursue research in which of the following areas in Data Science/Machine Learning
said_safadi@hotmail.com	Said Ahmed El-Safadi	4917663772227	Germany	CS C7	Data Analytics, Cyber Security, Big Data
sajju111999@gmail.com	Sayed Sajid Ali	8074287156	India	CS C8	Software Development, Full Stack Development, Salesforce CRM
manmohan.kamat@gmail.com	Manmohan Singh Kamat	91+9173432997	India	CS C9	Cyber Security, Cloud Computing
kiransabne18@gmail.com	Kiran Kishor Sabne	91+8928309401	India	CS C9	Big Data Analytics
kousikbarik@gmail.com	Kousik Barik	91+9730013348	India	CS C9	Cybersecurity, Optimization Techniques

Funded Research Projects:

1. **DST sponsored project titled "**Laser Based Hydraulic Controlled Variable Length Land Leveler Cum Plough Device With Remote Monitoring System" for a grant of Rs. 93,00,000.

   Acted as Co-PI from 2019 to 2021

2. Project titled **"Design on an IoT based Health Monitoring and Awareness System"**. Received fund from Quality Circle – Advanced Research and Development.

   Status: **Completed**

3. Project Titled **" Stock Verification in Library using Line Follower Robot".** Received fund from Quality Circle – Advanced Research and Development.

   Status: **Completed**

4. Submitted project proposal titled **"Design of Dynamic Learning System for Adaptive Educational Environment using Cognitive Modeling" to DST** for the requirement of fund amount Rs. 10,24,687/-.

Scholarships and Awards received:

1. Certified Scrum Product Owner – March 11, 2022
2. Completed certification on Agile Project Management Certification Prep + Agile Scrum + Jira, June 14, 2022.
3. Completed **NPTEL Certification for Database Management System** with Elite.
4. **Best Practices Award**, received during Bridge 2018, organised by ICT Academy at ITC Chola Chennai.
5. **IEAE Research Excellence Award** received from IEAE during the year 2018.
6. Completed **12 badges** in Trailhead Developer Module-Salesforce.
7. Completed **VMWARE** certification on virtualization for beginners.
8. Recognized As **Bronze Partner Faculty** Under – The Campus Connect Partnership Model From Infosys In The Year 2013.
9. Reviewer for the International Journal-**KSII Transactions on Internet and Information Systems** (Annexure I-Version 1)
10. Reviewer for the journal "Wireless Personal Communication", Springer.

Resource Person Details:

1. Delivered lecture session "Integrating IoT with Blockchain" in **AICTE sponsored Series II & Series III online STTP** "Exploring real World Applications on Blockchain Technology with Machine Learning Models" on 24-04-2021.
2. Delivered lecture session "CO Writing and Practices" in **AICTE-ISTE Induction/Refresher Program** on "An Effective Pedagogy Practice" during 03-03-2021 to 09-03-2021.
3. Delivered lecture session in **CSIR sponsored National Seminar** on "A Deep Dive into Edge Computing Architecture and Future of Data Analytics" for the topic "Introduction to Edge Computing" at Dept of CSE, KLNCE on 29/05/19.
4. Coordinated and assisted students in New India Student Championship 2018-**The Largest Learnathon** event jointly organised by ICTACT and Salesforce from 01-02-18 to 02-02-18.
5. Delivered lecture in **TEQUIP II** sponsored workshop on "**Computer Networks**" for the topic "Application Layers and its Protocols" at ACCET, Karaikudi on 22-07-2016
6. Acted as a resource person in Anna University Sponsored FDP **Object Oriented Analysis & Design** on 15-12-2014.
7. Delivered Lecture on "**NETWORKS**" For **HP-ATA** certification Program organised by Department of Computer Science and Engineering, KLNCE on 10-07-2014.

Publications Details:

1. Patent Journal Publication Details:

1. Indian Design Patent registered for the design "Portable Device for Location Tracking".

2. International Journal Publication Details:

1. Dr. M.Raghini. "A Stegnography Embedding Method based on CDF-DWT technique for data hiding application using Elgamal algorithm, Biomedical Signal Processing and Control", ELSEVIER, 1746 – 8094, February 2023. https://doi.org/10.1016/j.bspc.2022.104212
   https://www.sciencedirect.com/science/article/abs/pii/S1746809422006668

1. Dr.M.Raghini, "Analysis of Attack Scenarios in Trust Authentication Protocols", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9, Issue-2S2, December 2019.

2. Dr.M.Raghini, "Knowledge Based-IDS to prevent Intruders and Malicious Attacks", Journal of Applied Science and Computations, Volume 5, Issue 12, December, 2018, pp: 134-138.

3. Dr.M.Raghini, "Optimization Of Cluster-Chain Mobile Agent Routing Algorithm", Journal of Applied Science and Computations, Volume 5, Issue 6, June, 2018, pp: 98 – 104.

4. Dr.M.Raghini, "Trusted and Energy Efficient Clustering for Secure Communication in Wireless Sensor Network", Journal of Applied Science and Computations, Volume 5, Issue 6, June, 2018, pp: 39 – 47.

5. M.Raghini, "Biometrics based Data Security in USB Drive Using Digital Secure Copier", International Journal of Pure and Applied Mathematics Volume 117 No. 8 2017, 193-197.

6. M.Raghini, "Study of Energy Efficient Cluster Based Routing Protocols in Wireless Sensor Network", International Journal for Scientific Research and Development, Vol. 4, Issue. 9, Nov 2016.

7. M.Raghini, "Trust Among Militants in Wireless Sensor Network", Advances in Natural and Applied Sciences Vol. 10, No. 10, pp. 302-307, 2016.

8. M.Raghini, "Enhancing EGRC using ANOVA based Clustering in Underwater Sensor Networks", Global Research and Development Journal for Engineering July 2016 e-ISSN: 2455-5703.

9. M.Raghini, "Key Establishment In Wireless Sensor Network Using Dual Key Optimization (DKO)", Journal of Convergence Information Technology(JCIT) Volume11, Number3, pp. 103-114, June 2016.

10. M.Raghini, "PTAP: Pair Key Based Trust Authentication Protocol for Authentication in Wireless Sensor Network", Journal of Computational and Theoretical Nanoscience Vol. 13, No. 3, pp. 1701-1708, 2016.

11. M.Raghini, "PAD: Power Aware Key Distribution in Wireless Sensor Network using group configuration Methodology", International Journal of Innovative Research in Science, Engineering and Technology Vol. 3,special Issue 3 (2014), pp: 2347 – 6710.

12. M.Raghini, "Overview on Key Distribution Primitives in Wireless Sensor Network", Journal of Computer Science, 9 (5): 543-550, 2013.

3. International Conference Presentation Details:

1. Dr.M.Raghini, "Multi-Objective Optimization using Evolutionary Methods: A Quick-Start Guide", International Conference on Innovations in Engineering and Industrial Applications- ICIEIA 2018.

2. Dr.M.Raghini, "Attribute Based Encryption, International Conference on Innovations in Engineering and Industrial Applications"- ICIEIA 2018.

3. Dr.M.Raghini, "Survey Paper: Data Storage Surveillance in Cloud Computing", International Conference on Innovations in Engineering and Industrial Applications- ICIEIA 2018.

4. Dr.M.Raghini, "Indoor Map Generation Using Beacons in IoT System", International Conference on Innovations in Engineering and Industrial Applications- ICIEIA 2018.

5. Dr.M.Raghini, "Smart Home Interaction using Augmented Reality with Internet of Things", International Conference on Innovations in Engineering and Industrial Applications- ICIEIA 2018.

6. Dr.M.Raghini, "Optimization Of Cluster-Chain Mobile Agent Routing Algorithm", International Conference on Innovations in Engineering and Industrial Applications- ICIEIA 2018.

7. Dr.M.Raghini, "Time Variant Intrusion Detection System For Manets", International Conference on Innovations in Engineering and Industrial Applications- ICIEIA 2018.

8. M.Raghini, "Energy Efficient Clustering And Secure Communication In WSN", International Conference On Design And Application Of Structures, Drives, Communicational And Computing Systems, 2017. Pg. 44.

9. M.Raghini, "Enhancing High speed Networks using Proportional Rate Control Technique", International Conference on HI-TECH Trends in Emerging Computational Technologies, 2015.

10. M.Raghini, "Enhancing High Speed Networks Using Proportional Rate Control Technique", International Conference on Design and Applications of Structures, Drives, Communicational and Computing Systems, 2014.

11. M.Raghini, "PEAK: Power Efficiency Analysis For Key Distribution In Wireless Sensor Network", IEEE International Conference-ICRTIT'14.

12. M.Raghini, "Conservation of Energy Management in WSN using Networking Protocols", ICDASC 2012.

13. M.Raghini, "Enhancing Library Automation in Ubiquitous Environment", AICERA' 2011.

4. National Conference Presentation Details:

1. Dr.M.Raghini, "Survey On Machine Learning Algorithms And Its Applications", Proceedings of the Eleventh National Conference on NGTCC 2019, pp. 18-23.

2. M.Raghini., "A Novel Analysis of Power and Augmentation of Energy Escalation in WSN using DEEAC", National Conference on Advancement in Computing, 2013.

3. M.Raghini, "Implementing Secure Location Privacy using KNN in Wireless Sensor Network", NCRTIT-12 at Kamaraj College of Engineering and Technology, Virudhunagar

4. M.Raghini, "Elevator Car Parking System using RFID Technology", ETCN-11.

5. M.Raghini, "Roadmap for RFID Implementation in Library" ELEITe-11 at Velammal College of Engineering and Technology, Madurai.

6. M.Raghini, "Energy Efficient Monitoring Approach For Wireless Sensor Network", NCRIT' 2010.

5. Book Chapters Published:

Completed a Book Chapter Title: " The Issue of Cyber Security" In edited Book Titled "Covid-19: Implications for Commerce & Management, Economy and Information Technology"*ISBN No: 978-3-96492-302-8. Published Month & Year: November, 2021*

Google Scholar report:

https://scholar.google.com/citations?user=WV1ghiUAAAAJ&hl=en