Dr. M.PREETHA. Ph.D.,

No 17/8, Thiripura Sundari Nagar,
Kaladipet, Thiruvottiyur,
Chennai - 600 019.
E- mail: smpreetha14@gmail.com   Tamilnadu,
Mobile: 9443839811   India.

Objectives: Challenging career as Executive in the field of Engineering.

Educational Qualifications:

Ph.D- in **INFORMATION AND COMMUNICATION ENGINEERING**, **Anna University**, Chennai.

TITLE: SECURE CROSS LAYER PROTOCOL FOR EFFICIENT COMMUNICATION IN WIRELESS SENSOR NETWORK

Master of Engineering (M.Tech – Computer Science and Engineering)

University First, Gold Medalist

2008-2010 (Regular)

Dr. MGR Educational & Research Institute University, Madhuravoyal, Chennai

Educational Details:

S.NO	EDUCATIONAL QUALIFICATION	UNIVERSITY/BOARD	DURATION	% OF MARKS
1.	S.S.L.C	STATE BOARD	1995	84.8
2.	H.S.C	STATE BOARD	1997	68.7
3.	MSc-Information Technology	PERIYAR UNIVERSITY	2006-2008	68
4.	M.Tech(CSE)	Dr.MGR EDUCATIONAL & RESEARCH INSTITUTE	2008-2010 **University-first Gold medal**	9.11 (CGPA)
5.	Ph.D	ANNA UNIVERSITY CHENNAI	**2017**	

Work Experience:

- From 02nd Aug 2021 to Till Date
  Prince shri Venkateshwara Padmavathy Engineering College, Ponmar
  As **Professor & HOD** CSE DEPT.

- From 18th June 2012 to 29th July 2021
  S.A ENGINEERING COLLEGE, Avadi Road, Thiruverkadu, Chennai, As
  Associate Professor in CSE DEPT.

- From 14th June 2010 to 14th May 2012
  GOJAN SCHOOL OF BUSINESS & TECHNOLOGY, Edapalayam, Red hills, Chennai,
  As **Senior Lecturer in** CSE DEPT.

- From 15th May 2000 to 31st March 2008
  SALEM SOWDESWARI COLLEGE FOR ARTS AND SCIENCE, Salem
  As **Lecturer**

Computing Skills:

Operating systems	:	MS-Dos, WINDOWS
Languages	:	C, C++, JAVAex, Dot net, python
GUI	:	Visual Basic
Web Designing	:	HTML, DHTML
Web Exposure	:	VBScript, ASP
Database	:	SQL Server, Oracle

Personal Profile:

Husband Name	:	Dr.K.Sivakumar
Date of Birth	:	14-11-1979
Sex	:	Female
Marital Status	:	Married
Nationality	:	Indian

Extra Curricular Activities:

- Played in College team for Volley ball, Badminton.
- **"B" & "C"** Certificate Holder of NCC.

Grant:

- Received AICTE (GOC) fund for organizing International Conference of **Rs.4 Lakhs** on 2022.
- Received CSIR fund for organizing Workshop of **Rs.30,000** on March 2023.

R & D & CONSULTANCY PROJECTS:

> **"Development of Software Module for Optimized Gear Design, Testing, Analysis and Documentation"** in D. M. ENGINEERRS WORKS Mfrs & Suppliers of Industrial Machinery Components & Heavy Fabrication Structures, Coimbatore for **Rs. 2 Lakhs**

Awards and Achievements:

- **"Sci-Edu AWARD"** in the field of Education in Computer Science and Engineering by Kalvimalar for the year 2024.
- **"LIFE TIME ACHIEVEMENT AWARD"** under the category of Computer Science and Engineering by Novel Research Academy, Puducherry (A Registered Enterprise under the Govt. of India), India for the year 10th March 2021.
- Established **"CENTER OF EXCELLENCE"** for **PL/SQL** by **" VIRTUSA"**
- **"INNOVATION AMBASSADOR"** of **IIC** by **MoE's Innovation cell and AICTE, New Delhi.**

Patent Details:

1) "Automated Tumor Recognition system for the Brain MRI image using Artificial Neural Network - ANN"   - Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

Application No	: **202111000956**
Publication Date (U/S 11A)	: **08/01/2021**

2) "An intelligent earphone for remote health monitoring using Artificial Intelligence" - Published in   INTELLECTUAL PROPERTY INDIA (Govt. of India).

Application No	: **202141009376**
Publication Date (U/S 11A)	: **12/03/2021**

3) "An Automated number plate recognition using image processing technology" – Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

Application No	: **202141019985**
Publication Date (U/S 11A)	: **07/05/2021**

4) "A virtual reality based personalized virtual room for improving quality of life for the bedridden patient" – Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

Application No	: **202141031084**
Publication Date (U/S 11A)	: **01/07/2021**

5) "An Artificial intelligence-based smart purchase system for jewellery for enhancing customer satisfaction at pandemic situation" – Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

Application No	: **202141047221**
Publication Date (U/S 11A)	: **29/10/2021**

6) "IOT based smart public food distribution management system to control & monitor the stock" – Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

Application No	: **202141047733**

Publication Date (U/S 11A)   : **29/10/2021**

7) "FLUROPHONICS BASED PLANTATION"

    – Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

        Application No   : **202241043757**

        Publication Date (U/S 11A)   : **05/08/2022**

8) "WOMEN SAFETY APP"

    – Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

        Application No   : **202241046946**

        Publication Date (U/S 11A)   : **26/08/2022**

9) "Detection of fake Product using Block chain in Python"

    – Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

        Application No   : **202341028678 A**

        Publication Date (U/S 11A)   : **26/05/2023**

10) "AUTOMATED GAS REGULATOR"

    – Published in INTELLECTUAL PROPERTY INDIA (Govt. of India).

        Application No   : **202441018010 A**

        Publication Date (U/S 11A)   : **29/03/2024**

Design Patent:

1) "AI BASED MECHANICAL COMPOSITION ANALYSIS DEVICE"

    – Awarded in INTELLECTUAL PROPERTY INDIA (Govt. of India).

        Design No   : **438631-001**

        Publication Date (U/S 11A)   : **27/11/2024**

Book Chapter Details:

➢ Preetha M, Elavarasi K, Mani A, Pavithra E, Sudharshan P, Rakshini S. (2021) A Survey on Decentralized Crowd sourcing Using Blockchain Technology. Further Advances in Internet of Things in Biomedical and Cyber Physical Systems. Intelligent Systems Reference Library, vol 193, pp 373-382. **Springer, Cham.** DOI: https://doi.org/10.1007/978-3-030-57835-0_27

    •   First Online 19 February 2021

    •   Print ISBN 978-3-030-57834-3, Online ISBN 978-3-030-57835-0

    •   eBook Packages Intelligent Technologies and Robotics Intelligent Technologies and Robotics (R0)

Membership Details:

➢ Life Time Member of **INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)**
LM85755, 2012

➢ **ASSOCIATION FOR COMPUTING MACHINERY** (ACM) 0404482, 2015

➢ Life Time Member of **INTERNATIONAL SOCIETY FOR RESEARCH & DEVELOPMENT (ISRD),**
F3140901090

- ➢ Life Time Member of **INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG),** 214738
- ➢ Fellow Member (UAMAE) of **INSTITUTE OF RESEARCH AND DOCTORS-IRED,** SM10100060794
- ➢ **IEEE Member number:** 98945187

NPTEL & NITTT Certification:

S.no	Subject	Grade	Duration	Year
1.	Effective Engineering Teaching in Practice	**ELITE**	4 Weeks	Jan-Feb 2019
2.	Data Mining on the SWAYAM platform	**ELITE**	8 Weeks	Jan-Apr 2020
3.	Computer Graphics	-	4 Weeks	
4.	Module 7_ Creative Problem Solving, Innovation and Meaningful R & D	-	-	FEBRUARY 2023

International Journals:

1. **Dr. M. Preetha,** Dr. Padmavathy E, K. Murugesan, R. Ashok Kumar and Vidhya Muthulakshmi R (2024), "Contextual Attention Greylag Goose Neural Networks Based Efficient Energy Consumption and Fault Tolerant Method for Clustering and Reliable Routing in Wireless Sensor Network", Library Progress International, Vol.44 No.3, Jul-Dec 2024: P.12708-12718, ISSN 0970 1052. **(SCOPUS INDEXED JOURNAL).**

2. Dr. A Bamila Virgin Louis, Dr. M. S. Maharajan, V. Vaithianathan, S. Balaguru, Dr. P. Bhuvaneswari and **Dr. M. Preetha** (2024), "Graph Fick's Neural Networks for Traffic Prediction and Resource Allocation in 6G Wireless Systems", Library Progress International, Vol.44 No. 3, Jul-Dec 2024: P.13412-13422, ISSN 0970 1052. **(SCOPUS INDEXED JOURNAL).**

3. Dr. J. Venkatesh, M. Mutharasu, Charumathi A C, Dr. M. S. Maharajan, Neelamegam Devarasu and **Dr. M. Preetha** (2024), "IOT-Based Smart Health Care Patient Monitoring System Using Dual Sampling Dilated Pre- Activation Simplicial Convolution Neural Network with Artificial Hummingbird Algorithm", Library Progress International, Vol.44 No. 3, Jul-Dec 2024: P. 14750-14760, ISSN 0970 1052. **(SCOPUS INDEXED JOURNAL).**

4. **M. Preetha,** Balaji Singaram, I. Manju, B. Hemalatha, P. Bhuvaneswari (2024), "Machine Learning in Breast Cancer Treatment for Enhanced Outcomes with Regional Inductive Moderate Hyperthermia and Neoadjuvant Chemotherapy", Nanotechnology Perceptions, ISSN: 1660-6795, Vol.20, Issue S5, page No-245-259. https://doi.org/10.62441/nano-ntp.v20iS5.20 **(SCOPUS INDEXED JOURNAL).**

5. Balaji Singaram, Lakshmi. B, **Dr. M. Preetha**, V. K. Ramya Bharathi, Dr. S. Muthumarilakshmi, Rakesh Kumar Giri (2024), "A Smart IoT-Based Fire Detection and

Machine Learning Based Control System for Advancing Fire Safety", Nanotechnology Perceptions, ISSN: 1660-6795, Vol.20, Issue S5, page No-229-244. https://doi.org/10.62441/nano-ntp.v20iS5.19 **(SCOPUS INDEXED JOURNAL).**

6. Dr. A. Deepa, Vidhyashree B, S. R. Venkataraman, Gomathi C, Dr. G. Madasamy Raja, **Dr. M. Preetha** (2024), "A Comprehensive IoT-Based Automation System for Enhanced Productivity and Sustainability for Advancing Farming Efficiency", Nanotechnology Perceptions, ISSN: 1660-6795, Vol.20, Issue S5, page No-215-228. https://doi.org/10.62441/nano-ntp.v20iS5.18 **(SCOPUS INDEXED JOURNAL).**

7. A. Jaya Mabel Rani, A Sumalatha, S Annie Angeline Preethi, R Indhu, M. Jayaprakash, **M. Preetha,** " Innovations in Robotic Technology: A Smart Robotic Design for Effortless Wall Painting using Artificial Intelligence," *2024 International Conference on Automation and Computation (AUTOCOM)*, , doi: 10.1109/AUTOCOM60220.2024.10486126.

8. D Venkata Subramanian, J Thangakumar, **M Preetha**, S Ganga, Suraj Sajeev**,** "Similarities and Ranking of Documents Using TF- IDF, LDA and WAM," *2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS)*, doi: 10.1109/ADICS58448.2024.10533526.

9. Srinivasan, S, M.S. Vinmathi, S.N. Sivaraj, A. Karthikayen, C. Alakesan, & **Preetha, M.** (2024), "A Novel Approach Integrating IoT and WSN with Predictive Modeling and Optimization for Enhancing Efficiency and Sustainability in Smart Cities", Journal of Electrical Systems (IES), ISSN: 1112-5209, Vol.20, Issue 4, page No-2228-2237. **(SCOPUS INDEXED JOURNAL).**

10. N. Mohana Priya, G. Amudha, M. Dhurgadevi, N. Malathi, K. Balakrishnan & **Preetha, M.** (2024), "IoT and Machine Learning based Precision Agriculture through the Integration of Wireless Sensor Networks", Journal of Electrical Systems (IES), ISSN: 1112-5209, Vol.20, Issue 4, page No- 2292-2299. **(SCOPUS INDEXED JOURNAL).**

11. E.S. Phalguna Krishna, N. Praveena, I. Manju, N. Malathi, K. Balakrishnan, & **Preetha, M.** (2024), "IoT-Enabled Wireless Sensor Networks and Geospatial Technology for Urban Infrastructure Management", Journal of Electrical Systems (IES), ISSN: 1112-5209, Vol.20, Issue 4, page No- 2248-2256. **(SCOPUS INDEXED JOURNAL).**

12. Srinivasan, S, Hema, D. D, Singaram, B, Praveena, D, Mohan, K. B. K, & **Preetha, M.** (2024), "Decision Support System based on Industry 5.0 in Artificial Intelligence", International Journal of Intelligent Systems and Applications in Engineering (IJISAE), ISSN:2147-6799, Vol.12, Issue 15, page No-172-178. **(SCOPUS INDEXED JOURNAL).**

13.   **M. Preetha**, Archana A B, K. Ragavan, T. Kalaichelvi, M. Venkatesan "A Preliminary Analysis by using FCGA for Developing Low Power Neural Network Controller Autonomous Mobile Robot Navigation", International Journal of Intelligent Systems and Applications in Engineering (IJISAE), ISSN:2147-6799. Vol:12, issue 9s, Page No:39-42, 2024 **(SCOPUS INDEXED JOURNAL).**

14.   **M. Preetha**, Raja Rao Budaraju, Jackulin. C, P. S. G. Aruna Sri, T. Padmapriya "Deep Learning-Driven Real-Time Multimodal Healthcare Data Synthesis", International Journal of Intelligent Systems and Applications in Engineering (IJISAE), ISSN:2147-6799, Vol.12, Issue 5, page No:360-369, 2024. **(SCOPUS INDEXED JOURNAL).**

15.   **M. Preetha**, D. Dhabliya, Z. A. Lone, S. Pandey, K. Acharjya and G. J, "An Assessment of the Security Benefits of Secure Shell (SSH) in Wireless Networks," 2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), Bangalore, India, 2023, pp. 1-6, doi: 10.1109/SMARTGENCON60755.2023.10442244.

16. A. Nithya, M. Raja, D. Latha, **M. Preetha**, M. Karthikeyan and G. S. Uthayakumar, "Artificial Intelligence on Mobile Multimedia Networks for Call Admission Control Systems," 2023 4th International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2023, pp. 1678-1683, doi: 10.1109/ICOSEC58147.2023.10275999.

17. V. R. Ghule, A. K. Agrawal, J. R. R. Kumar, D. Mondal, S. Hemelatha and **Preetha M**, "An Evaluation of the Impact of AI on Data Access Optimization Performance," 2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), Bangalore, India, 2023, pp. 1-6, doi: 10.1109/SMARTGENCON60755.2023.10442704

18. D. Mondal, N. Thangarasu, **Preetha. M**, Y. S. Ingle, A. Saxena and J. R. R. Kumar, "Investigating the Effectiveness of Internet Key Exchange (IKE) Protocol in Wireless Network Security," 2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), Bangalore, India, 2023, pp. 1-5, doi: 10.1109/SMARTGENCON60755.2023.10441857.

19. V. Srikanth, M. Vanitha, M. Maragatharajan, **Preetha. Marappan**, S. P. S and B. Jegajothi, "Metaheuristic Optimization Enabled Unequal Clustering with Routing Technique," 2022 International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India,

2022, pp. 800-806, doi: 10.1109/ICEARS53579.2022.9752312.

20. P. S. Barve, M. Vigenesh, **Preetha. M**, V. Deshpande, M. B. Wanjari and S. Patil, "A Non-Linear Dimensionality Reduction Approach for Unmixing Hyper Spectral Data," *2023 International Conference on Power Energy, Environment & Intelligent Control (PEEIC)*, Greater Noida, India, 2023, pp. 1718-1724, doi: 10.1109/PEEIC59336.2023.10451194.

21. S. B, I. A. Karim Shaikh, P. Jagdish Patil, R. Sethumadhavan, **M. Preetha** and H. Patil, "Predictive Analysis of Employee Turnover in IT Using a Hybrid CRF-BiLSTM and CNN Model," 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, 2023, pp. 914-919, doi: 10.1109/ICSCNA58489.2023.10370093.

22. **Preetha. M**, D. S. Wankhede, R. Kumar, G. Ezhilarasan, S. Khurana and G. S. Sahoo, "Leveraging AI-Driven Systems to Advance Data Science Automation," *2023 International Conference on Emerging Research in Computational Science (ICERCS)*, Coimbatore, India, 2023, pp. 1-7, doi: 10.1109/ICERCS57948.2023.10434009.

23. **Dr M Preetha**, Akshaya M, Arthima A, Mr.Akhilesh Kumar Pahade, Nusratova Khamida**, (2023), "**A ZIGBEE garbage bin monitoring system with IoT", E3S Web of Conferences International Conference on Newer Engineering Concepts and Technology (ICONNECT-2023), eISSN : 2267-1242, Article No.04052, Vol.399, 12th July 2023, https://doi.org/10.1051/e3sconf/202339904052 **(SCOPUS INDEXED JOURNAL).**

24. M. Mohammed Thaha, **M. Preetha**, K. Sivakumar, Rajendrakumar Ramadass, "An Investigative Analysis using 'Prior' Knowledge of Physical Interaction to Learn State Representation in Robotics", International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, Vol.11, Issue 3, page No-295-300, March 2023. **(SCOPUS INDEXED JOURNAL).**

25. M. Mohammed Thaha, **M. Preetha**, K. Sivakumar, Rajendrakumar Ramadass, "An Aerial Robotics Investigation into the Stability, Coordination, and Movement of Strategies for Directing Swarm and Formation of Autonomous MAVs and Diverse Groups of Driverless Vehicles (UGVs)", International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, Vol.11, Issue 3, page No-301-304, March 2023. **(SCOPUS INDEXED JOURNAL)**

26. **M. Preetha,** R. Prabha, M. Deivakani and V. Tamil Selvi "Efficient Re-clustering with Novel Fuzzy Based Grey Wolf Optimization for Hotspot Issue Mitigation and Network Lifetime

Enhancement", Journal of Ad Hoc & Sensor Wireless Networks, ISSN:1551-9899 (print) ISSN: 1552-0633 (online) Vol. 56, Issue 4, page No-273-297, Sep 2023. **ANNA UNIVERSITY REFEREED ANNEXURE-1 JOURNAL, (IMPACT FACTOR – 0.186)**

27.   N.Anil Kumar, Y.Sukhi, **M.Preetha,** K.Sivakumar "Ant Colony Optimisation With Levy Based Unequal Clustering And Routing (ACO-UCR) Technique For Wireless Sensor Networks", Journal of Circuits, Systems, and Computers, ISSN: 0218-1266 (print); 1793-6454 (web)   Vol .33, Issue3, July 24,   2023. DOI: 10.1142/S0218126624500439 **ANNA UNIVERSITY REFEREED ANNEXURE-1 JOURNAL, (IMPACT FACTOR – 1.278)**

28.   Manoj kumar.S , **Dr.M. Preetha**,(2022), "EMOTION BASED MUSIC USING MACHINE LEARNING", International Journal for Science and Advance Research In Technology (IJSART) Vol.8, Issue 6, pages 1-5: 2 June 2022. ISSN [ONLINE]: 2395-1052

29.   **M.Preetha**, N.Anil Kumar, Elavarasi.K, Vignesh.T, V. Nagaraju,(2022), "A Hybrid Clustering Approach Based Q-Leach in TDMA to Optimize QOS-Parameters", Journal of Wireless Personal Communications Vol.123, Issue 2, pages 1169–1200: 2 October 2021. ISSN No. 0929-6212 DOI : 10.1007/s11277-021-09175-8 **SPRINGER, ANNA UNIVERSITY REFEREED ANNEXURE-1 JOURNAL,   (IMPACT FACTOR 2.017)**

30.   **M. Preetha**, Pavithra. E, Sudharshna. P, Rakshini. S "A Survey of Sybil Attack Detection in VANETs", International Journal of Engineering Applied Sciences and Technology, Vol. 4, Issue 11, Pages 267-271, March 2020. ISSN No. 2455-2143. **(Scientific Journal of IMPACT FACTOR: SJIF- 4.982).**

31.   S.Veena, K.Ramyadevi, K.Elavarasi, **M.Preetha,** "Smart Car Automated System to Assist the Driver in Detecting the Problem and Providing the Solution", International Journal of Innovative Technology and Exploring Engineering (IJITEE),Vol. 8, Issue 6S4, Pages 267-271, April 2019. ISSN: 2278-3075.

32.   **M. Preetha**, K. Elavarasi, A. Mani, E. Pavithra, P. Sudharshna & S. Rakshini "A Survey on Decentralized Crowdsourcing using Blockchain Technology", Further Advances in Internet of Things in Biomedical and Cyber Physical Systems , Vol. 4, Issue 12, Pages 373-382, March 2021. ISSN No. 2455-2143, **DOI:** https://doi.org/10.1007/978-3-030-57835-0_27, **SPRINGER NATURE**

33.   **M.Preetha,** R.Sivaranjani. "A survey on Network-Aware feasible repairs for erasure coded storage", International Journal for Research in Applied Science & Engineering Technology, Vol.7, Issue IV, Pg,No – 3141-3145, April 2019. ISSN 2321-9653.

34. **Dr.M.Preetha,** G.Praveenkumar, S.Sabarinathan. "Three-Layer Privacy Preserving Cloud Storage Scheme based on Computational Intelligence in Fog Computing", International Journal for Research in Applied Science & Engineering Technology, Vol.7, Issue III, Pg,No – 1145-1147, March 2019. ISSN 2321-9653.

35. **Dr.M.Preetha,** Naveenkumar.S, Deepakkesavan.B, Eniyankumar.M.U. "Gallup For Election Initiatives", International Journal for Research in Applied Science & Engineering Technology, Vol.7, Issue III, March 2019. ISSN 2321-9653

36. **Dr.M.Preetha,** P.Bhuvaneswari, Ilakkiya.M, Karthigha.P "Deterrence of Accident in Vehicles Using IOT", International Journal for Research in Applied Science & Engineering Technology, Vol.7, Issue III, March 2019. ISSN 2321-9653.

37. **Dr.M.Preetha,** K.Elavarasi, K.Ramyadevi, Dr.S.Veena. "Energy Efficient Load Balancing Scheme with Clustering Approach in MANETS Using Dynamic Channel Allocation", Journal of Advance Research in Dynamical & Control Systems,Vol.10,14-Special Issue, Pg.No-1074-1080, November 2018. ISSN 1943-023X

38. **Dr.M.Preetha,** K.Elavarasi, K.Ramyadevi, Dr.S.Veena. "Detecting Malicious Android Applications through Machine-Learning Techniques", Journal of Advance Research in Dynamical & Control Systems,Vol.10,14-Special Issue, Pg.No-1095-1099, November 2018. ISSN 1943-023X.

39. **M. Preetha**, Deepika. N, Mahalakshmi. S "A Survey on Microcontroller based Machine to Machine Interaction with Temperature Control System", International Journal of Advance Engineering and Research Development (IJAERD), Vol.5, No 2, pg.159-162, February 2018. Print ISSN 2348 - 6406, Online ISSN 2348 – 4470 **(SJIF: IMPACT FACTOR 5.71)**

40. **M .Preetha**, K. Monica, H. Nivetha, S. Priyanka "A Survey on Semi-Supervised Image to Video Adaptation for Video Action Recognition", International Journal for Research in Applied Science & Engineering Technology (IJRASET**),** Vol No: 6, Issue No: 2, Page No: 2513-2517, February 2018. ISSN: 1748-0345. **(SJIF: IMPACT FACTOR 6.088)**

41. **Dr. M. Preetha** , Dr.K.Sivakumar, "An Energy Efficient Sleep Scheduling Protocol For Data Aggregation in WSN", TAGA JOURNAL,Vol.14, pg.404-414, 2018. ISSN: 1748-0345 (Online). **(SJIF:IMPACT FACTOR 7.538)**

42. **Dr.M. Preetha** , "A Survey On GPS Based Security Measure For Blind People", International Journal Of Innovative Research In Engineering & Management (IJIREM) Vol No: 5,Issue No: 2 Page No: 59 – 62, January 2018. ISSN: 1748-0345.

43. **Preetha M,** "Flood Alert Without Tower", International Journal of Modern Trends in Engineering and Research (IJMTER), Vol.4, No 1, pg.264-268 , January 2017. Print ISSN 2393-8161, Online ISSN 2349-9745 **(SJIF:IMPACT FACTOR 6.028)**

44. **M Preetha**, K Elavarasi, K Ramyadevi, "An Intelligent Digital System For Visually Impaired Person (VIP's)", IEEE, Vol.4, No 2, pg.1-4 , October 2017.DOI: 10.1109/ICICES.2017.8070769

45. **Preetha M**, "A Survey on Two Tier Security with Data Sharing and Data Integrity Inspection in Cloud", International journal of modern trends in Engineering and Research (IJMTER), Vol.4, No 2, pg. , February 2017. Print ISSN 2393-8161, Online ISSN 2349-9745 **(SJIF:IMPACT FACTOR 6.028)**

46. **Preetha M**, "A Survey on Entry Restriction System for the fake server Scheme", International journal of Research and Engineering (IJRE), Vol.4, No 2, pg.41-44, February 2017. ISSN:2348-7860(0).

47. **Preetha M** & Sugitha S,2016, "A Survey on Misbehavior Report Authentication Scheme of Selfish node Detection Using Collaborative Approach in MANET", International Journal of Engineering Science and Computing, vol. 6, no. 5, pp. 5381-5384, ISSN 2321-3361. **(SJIF:IMPACT FACTOR 9.24)**

48. **Preetha M** & Paul Rodrigues 2016, "An energy efficient routing protocol for correlated data using CL-LEACH in WSN", Wireless Networks-The journal of mobile Communication, Computation and Information (**SPRINGER**), vol.22, issue.4, pp. 1415-1423, ISSN 1022-0038. DOI 10.1007/s11276-015-1063-4 **ANNA UNIVERSITY REFEREED ANNEXURE-1 JOURNAL. (IMPACT FACTOR 2.701)**

49. **Preetha M**, Elavarasi K & Ramya devi K , 2015, "The grouping of files in allocation of job using Server Scheduling in Load Balancing", IOSR journal of Computer Engineering(IOSR-JCE), vol. 17, no. 1, pp. 18-23, ISSN 2278-0661. **(SJIF:IMPACT FACTOR 3.712)**

50. **Preetha M** & Parvathavarthini, B 2013, "CMAC-An Efficient Energy Postulate Based on Energy Cost Modeling in Wireless Sensor Network", Asian Journal of Information Technology, Vol.12, issue.6, pp. 176-183, ISSN 1682-3915 **ANNA UNIVERSITY REFEREED ANNEXURE-II JOURNAL, (IMPACT FACTOR 0.595)**

51. **Preetha M** & Parvathavarthini, B 2013, "COA-LEACH: An Efficient Energy Postulate Based on Energy Cost Modeling in Wireless Sensor Network", Jokull Journal, vol. 63, no. 8, pp. 129-139, ISSN 0449-0576. **ANNA UNIVERSITY REFEREED ANNEXURE-1 JOURNAL,**

International Conference:

1. Paper presented at International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS) held on 17th to 18th April, 2024 titled **"SIMILARITIES AND RANKING OF DOCUMENTS USING TF-IDF, LDA AND WAM" at Hindustan Institute of Technology and Science.**

2. Paper presented at International Conference on Newer Engineering Concepts and Technology, ICONNECT 2023 held on 27th to 28th April, 2023 titled **"A Zigbee Garbage Bin Monitoring system with IoT", Vol 399. (Scopus Indexed)**

3. Paper presented at INTERNATIONAL CONFERENCE ON RESEARCH ADVANCEMENTS & CHALLENGES IN ENGINEERING SCIENCE (ICRACE-20) held on 6th to 7th March, 2020 at Velammal Institute of Technology about **"A Survey on Decentralized crowd sourcing using Block chain Technology"**

4. Paper presented at INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MULTI-DISCIPLINARY RESEARCH (ICRTMDR-18) held on 20th to 21st Dec, 2019 at A.P.C. Mahalaxmi college for women, Thoothukudi about **"Smart car Automated system to assist the driver in detecting the problem and providing the solution"**

5. Paper presented at International Conference on Automation And Computing Technologies (ICACT – 18) held on 17th March, 2018 at Velammal Institute Of Technology, Chennai about **"Smart Electronic Device For Blind People Using GPS"**

6. Paper presented at IEEE INTERNATIONAL CONFERENCE ON INFORMATION, COMMUNICATION & EMBEDDED SYSTEMS-ICICES 2017 held on 23rd March, 2017 at S.A Engineering college, Avadi about **"An intelligent digital system for visually impaired person (VIP's)"**

7. Paper presented at 6th IEEE INTERNATIONAL CONFERENCE ON INFORMATION, COMMUNICATION & EMBEDDED SYSTEMS-ICICES 2017 held on 15th & 16th March, 2017 at S.A Engineering college, Avadi about "**Aggregation Technique In The Presence Of Collusion Attack For Secure Data Using Iterative Filtering Algorithm In Wireless Sensor Networks"**

8. Paper presented at 5th IEEE INTERNATIONAL CONFERENCE ON INFORMATION, COMMUNICATION & EMBEDDED SYSTEMS-ICICES 2016 held on 25th & 26th February, 2016 at S.A Engineering college, Avadi about "**Identifying selfish nodes using mutual neighbor based watchdog mechanism for DTN"**

9. Paper presented at INTERNATIONAL CONFERENCE ON ADVANCED ENGINEERING & TECHNOLOGY held on 24th February, 2013 at Institute of Technology and Research ,Coimbatore about **"A prompt detection service for defending reactive jammer in WSN"**

10. Paper presented at FACT 2009 INTERNATIONAL CONFERENCE ON RECENT TRENDS IN

COMPUTING AND COMMUNICATIONS held on 18th & 19th December, 2009 at K.C.G. College of Technology about **"Topology tracking in ad-hoc network using XTC algorithm"**

11. Paper presented at "FACT 2009 INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTING AND COMMUNICATIONS**"** held on 18th & 19th December, 2009 at K.C.G. College of Technology about **"Multi view face detection using Eigen vector"**

National Conference:

1. Paper presented in National Conference on "9th NATIONAL CONFERENCE ON INNOVATIVE COMPUTING TECHNIQUES NCICT'24 -VISHWA PRADYOG" held on March 18th to 19th, 2024 at Dr.M.G.R Educational and Research Institute about "**AUTOMATIC WATER CONVEYENCE FOR AGRICULTURE"**.

2. Paper presented in National Conference on "MACHINE LEARNING DEVELOPERS SUMMIT 2021" held on February 11th to 13th, 2021 at ADaSci The Association Of Data Scientists about "**Classification of different plant leaf diseases using multiple convolutional neural network and image pre-processing"**.

3. Paper presented in National Conference on "INDUSTRY 4.0 : CURRENT PRESPECTIVES AND APPLICATIONS NCI4CPA-20" held on March 12th, 2020 at S.A Engineering college about "**A Survey on Big Data Analysis & Transmission"**.

4. Paper presented in 8th National Conference on "INFORMATION & COMMUNICATION TECHNOLOGY ICTCON-19" held on March 9th , 2019 at Saveetha Engineering College, Chennai about **"A Survey On Confidentiality Preserving Methods For Memory In Cloud Computing"**.

5. Paper presented in 8th National Conference on "INFORMATION & COMMUNICATION TECHNOLOGY ICTCON-19" held on March 9th, 2019 at Saveetha Engineering College, Chennai about **"Three layer privacy preserving cloud storage stream based on computation intelligence in FOG computing"**.

6. Paper presented in National conference on Information and communication technology" held on March 9th ,2019 at Saveetha Engineering College, Chennai about **"Gallup For Election Initiatives"**.

7. Paper presented in "National Conference On Emerging Trends In Data Science And Technology(NCETDST)" held on March 14th , 2018 at Velammal Institute of Technology, Chennai about **"Micro Controller Based Machine To Machine Interaction With Temperature Control System"**.

8. Paper presented in National Conference on "CUTTING EDGE TECHNOLOGIES IN COMPUTING & BIOINFORMATICS NCCETICB-17" held on March 10th , 2017 at Sriram Engineering College, Chennai about **"Two tier security with data sharing and data integrity inspection in cloud"**.

9. Paper presented in National Conference on "CUTTING EDGE TECHNOLOGIES IN COMPUTING & BIOINFORMATICS NCCETICB-17" held on March 10th, 2017 at Sriram Engineering College, Chennai about "**Flood alert- without tower**".

10. Paper presented in National Conference on "INNOVATIVE TRENDS IN ENGINEERING & TECHNOLOGY NCITET-2K16" held on April 2nd, 2016 at Arignar Anna Institute of Science & technology, about **"Identifying data integrity & routing path in Wireless Sensor Networks".**

11. Paper presented in National Conference on "INNOVATIVE TRENDS IN ENGINEERING & TECHNOLOGY NCITET-2K16" held on April 2nd, 2016 at Arignar Anna Institute of Science & technology, about **"Secure data aggregation techniques for wsn in the presence of collision attack using iterative filtering".**

12. Paper presented in National Conference on "CUTTING EDGE TECHNOLOGIES IN COMPUTING & BIOINFORMATICS NCCETICB-2016" held on March 24th, 2016 at Sriram Engineering College, Chennai about **"Intrusion detection system in stand alone & co-operative network".**

13. Paper presented in National level conference on "INTELLIGENT INFORMATION & DISTRIBUTED COMPUTING NCIIDC-2010" held on March 31st to April 1st, 2010 at RajaRajeswari Engineering College, Chennai about **"Multi view face detection".**

Work Shop Attended:

1. **"BLOCK CHAIN & CYBER SECURITY"** organized by Department of Computer Science Engineering, held on 15th Feb, 2019 at S.A Engineering College, Chennai.

2. **"MOBILE APP DEVELOPMENT"** conducted by Center of Excellence for Mobile App Development, held on 18th March, 2017 at Chennai Institute of Technology, Chennai.

3. **"ANDROIDBOTICS"** organized by Department of Computer Technology, held on 3rd & 4th March 2017 ,at MIT Campus, Chennai.

4. **"NETWORK GARAGE"** conducted by CISCO Networking Academy, held on 17th March, 2017 at Chennai Institute of Technology, Chennai.

5. **DST Sponsored National Workshop on "DATA SCIENCE RESEARCH"** organized by Department of Computer Science Engineering, during 20th to 22nd December, 2016 at S.A Engineering College, Chennai.

6. **"MATHEMATICAL MODELLING OF WIRELESS NETWORKS"** organized by Department of Computer Science Engineering, sponsored by IEEE, held on 28th July, 2016 at S.A Engineering College, Chennai.

7. **"LATEX"** organized by R&D Centre, held on 8th January, 2016 at S.A Engineering College, Chennai.

8. **"NETWORK SIMULATOR-2"** organized by IIS Technologies &EYE Open Technologies, held on 31st July to 1st August 2015 at S.A Engineering College, Chennai.

9. **"EFFECTIVE PAPER WRITING USING LATEX"** organized by Department of Computer Science Engineering, held on 24th September 2014 at S.A Engineering College, Chennai.

10. **"IMPLEMENTING OPEN RESOURCE CENTRE"** organized by Department of Computer Science Engineering, In Association with LINUXPERT SYSTEMS, held on 27th & 28th June 2014 at Valliammai Engineering college, Chennai.

11. **"nDROID Workshop"** organized by EI Systems, held on 13th & 14th February, 2013 at S.A Engineering College, Chennai.

12. **"MISSION 10X"** organized by ISTE, held on 2nd to 6th August, 2011 at Gojan School of Business and Technology, Redhills, Chennai.

13. **"WIRELESS SENSOR NETWORKS AND CLOUD COMPUTING 2011"** organized by Computer Centre, MIT Campus, Anna University Chennai held on 16th to 20th May 2011 ,at MIT Campus, Chennai.

14. **"APPLICATIONS OF MEMS IN INSTRUMENTATION ENGINEERING- AMIE2009"** organized by ISA (International Society of Automation), held on 27th & 28th August, 2009 at SRM University, Chennai.

Faculty Development Programme:

1. DST Sponsored Four Weeks Technical Entrepreneurship Development Programme "Tech Fusion Ventures: The Accelerated Path to Entrepreneurship Success" organized by Academy of Maritime Education and Training, Deemed to be University, Chennai held on 29th Jan 2024 – 23rd Feb 2024.

2. AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on "ACCREDIATION AND OUTCOME BASED PEDAGOGIC PRINCIPLES FOR EFFECTIVE TEACHING" from 2022-11-14/2022-11-19 to 2022-11-21/2022-11-25 at Academy of Maritime Education and Training Deemed to be University.

3. FDP on "EMERGENCE OF BLOCKCHAIN TECHNOLOGY AND CRYPTOCURRENCIES" Sponsored by Ministry of Electronics and Information Technology (MeitY), GoI, Organised by E& ICT Academy, NIT Warangal and Prince Shri Venkateshwara Padmavathy Engineering College, during 2nd – 11th May, 2022.

4. National Online Short term Training Programme on "Entrepreneurship Skill Development (a journey to be a Successful entrepreneur)" organized by Hindusthan College of Engineering and Technology, Chennai held on 21st Feb 2022 – 25th Feb 2022.

5. "HANDS ON ARTIFICIAL INTELLIGENCE & REAL TIME CLOUD PLATFORMS" organized by Department of Computer Science Engineering & Information Technology held on 7th to 8th Nov 2019 at St.peter's College of Engineering and Technology, Chennai.

6. "DEEP LEARNING", organized by Department of Computer Science Engineering during 27th to 29th May 2019 at SRM Institute of Science and Technology, Chennai.

7. "WIRELESS SENSOR NETWORKS & THE INTERNET OF THINGS" held on 10th to 12th December 2018 at S.A. Engineering College, Chennai.

8. Participated AICTE-ISTE Sponsored INDUCTION/REFRESHER PROGRAMME on "CAREER

ADVANCEMENT BY TECHNICAL TEACHING SKILLS AMPLIFICATION" held on 7th to 12th May 2018 at Velammal Institute of Technology, Chennai.

9. "AUTOMATA THEORY AND COMPILERS", organized by Department of Computer Science Engineering during 13th to 15th December 2017 at S.A Engineering College, Chennai.

10. "MACHINE LEARNING USING R-PROGRAMMING", organized by Department of Computer Science Engineering during 27th Nov to 1st December 2017 at SRM University, Chennai.

11. "CS6003- ADHOC AND SENSOR NETWORK", organized by CENTRE FOR FACULTY DEVELOPMENT, ANNA UNIVERSITY, CHENNAI during 7th to 14th June 2017 at S.A Engineering College, Chennai

12. "CS6801- MULTICORE ARCHITECTURES AND PROGRAMMING", organized by Department of Computer Science Engineering, held during 1st & 2nd Dec 2016 at Velammal Institute of Technology, Chennai.

13. "GRID and CLOUD COMPUTING", organized by Department of Computer Science Engineering, held during 16th & 17th June 2016 at Saveetha Engineering College, Chennai.

14. "MICROPROCESSOR & MICROCONTROLLER", organized by CENTRE FOR FACULTY DEVELOPMENT, ANNA UNIVERSITY, CHENNAI held on 21st to 27th May 2016 at AVS College of Technology, Salem.

15. "MOBILE COMPUTING, organized by CENTRE FOR FACULTY DEVELOPMENT, ANNA UNIVERSITY, CHENNAI held on 18th to 28th December 2015 at GKM College of Engineering & Technology, Chennai.

16. ISTE Short Term Training Programme On "DEVELOPMENT OF HIGH IMPACT TEACHIONG SKILL IN ENGINEERING TEACHING", organized by Department of Mechanical Engineering, Sponsored by Indian Society of Technical Education (ISTE), held on 3rd October to 6th November 2015 at S.A Engineering College, Chennai.

17. "Cisco CCNA Routing &Switching Module-1(Introduction to Networks)", organized by CISCO NETWORKING ACADEMY, held on 26th October to 2nd November 2015 at S.A Engineering College, Chennai.

18. "COMPUTER GRAPHICS", organized by CENTRE FOR FACULTY DEVELOPMENT, ANNA UNIVERSITY, CHENNAI held on 18th to 25th May 2015 at Panimalar Institute of Technology, Chennai.

19. "RECENT TRENDS IN WIRELESS SENSOR NETWORKS" held on 17th to 23rd December 2014 at S.A Engineering College, Chennai.

20. "WIRELESS SENSOR NETWORKS", organized by Department of Computer Science Engineering, held on 7th to 12th April 2014 at Valliammai Engineering college, Chennai

21. "IPDOME" held on February 2013 at S.A Engineering College, Chennai.

22. "INDUSTRIAL ROBOTICS-TECHNOLOGY, PROGRAMMING AND APPLICATIONS" held on 13th to 27th December 2010 at Rajalakshmi Engineering College, Chennai.

RESOURCE PERSON

S.NO	TYPE	TOPIC	COLLEGE
1	Guest Lecture	MULTICORE ARCHITECTURES AND PROGRAMMING	Jerusalem college of Engineering
2	Guest Lecture	COMPUTER NETWORKS	Lord Ayyappa Institute of Engineering and Technology, Walajabad.
3	Guest Lecture	MULTICORE ARCHITECTURES AND PROGRAMMING	PMR Engineering College, Chennai
4	Guest Lecture	ADHOC AND SENSOR NETWORK	Lord Venkateshwara Engineering College, Walajabad.
5	Guest Lecture	COMPUTER PROGRAMMING	Gojan School of Business & Technology
6	Guest Lecture	COMPUTER GRAPHICS	AMS Engineering college
7	Guest Lecture	OPERATING SYSTEM	Indira Gandhi College of Engineering & Technology for women, Chengalpattu
7	Guest Lecture	ADVANCED COMPUTER ARCHITECTURE	ACT College of Engineering, Chengalpattu
8.	Guest Lecture	PARALLEL PROGRAM DEVELOPMENT	Jerusalem college of Engineering
9.	Guest Lecture	NETWORK SECURITY	Lord Ayyappa Institute of Engineering and Technology, Walajabad.
10.	Guest Lecture	REAL TIME PROBLEMS ON NETWORK SECURITY	Lord Ayyappa Institute of Engineering and Technology, Walajabad.
11.	Conference Chair	NATIONAL CONFERENCE(ONLINE) ON RECENT TRENDS IN INFORMATION AND COMMUNICATION TECHNOLOGIES-2020 (NCRTICT-2020)	St Peter's College of Engineering and technology, Chennai.

EVENTS ORGANISED

2013- SYMPOSIUM Coordinator

2014- National conference Coordinator

2016- Organised 7 days FDP programme on "Theory of Computation"

2017-2018 Coordinator for IEEE INTERNATIONAL CONFERENCE ON INFORMATION, COMMUNICATION & EMBEDDED SYSTEMS-ICICES'18

2020- Coordinator for National Conference on " INDUSTRY 4.0-CURRENT PERSPECTIVES & APPLICATIONS"

2022 – Organized "INTELLECTUAL PROPERTY AWARENESS PROGRAM" Under " NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION " on 10th August 2022.

SYMPOSIUM

- Paper presented in National level Symposium -2010" held on 18th Feb, 2010 at SAMS College of Engineering & Technology, Chennai about "**MULTI VIEW FACE DETECTION USING EIGEN VECTOR**". and placed "**SECOND PLACE**"

I hereby ensure that the above said information is true to my knowledge

Date   :
Place :   Chennai

(Dr.M.Preetha)