


Name:	<div> <div></div> <div>  </div> </div>		
	Ms.S.M.Poonkuzhali.		
Designation:	Assistant Professor CSE (AI&ML)		
Qualification:	B.Tech (I.T)., M.E.(C.S.E)		
Area of specialization:	Big Data Analytics, Data Science and Engineering, Artificial Intelligence and Machine Learning, Computer Networks		
Experience : (As on May 2024)	Industrial	Research	Teaching Experience
	-	-	12 Years
Number of workshop / FDP attended:	Number of Workshops		Number of FDPs
	4		7
Publications:	Conference		Journal
	National	International	National International
	5	2	4 3
Patents:	National		International
	-		-
Professional Body Membership:	<ul style="list-style-type: none"> • IEEE Membership in the following Society's • Engineering Medicine and Biology Society. • Robotics and Automation Society. • Computational Intelligence Society. • Industry Applications Society. • Antennas and Propagation Society. 		
Achievements:	<ul style="list-style-type: none"> • Produced 95% result in Data Structure and Algorithm • Produce 98% result in Programming in C Language • IBM Certified in DB2.9 in Database and Application Fundamentals. • Certified in Data science using R through ICT. 		

Publication in Conferences:

1. Presented the paper on “Unlocking the power of UPI: A machine learning journey through Digital Payment and data visualization models” in 3rd International conference on Data Science, Agents * Artificial Intelligence (ICDSAAI 2025) held on 28th and 29th March 2025 at Chennai Institute of Technology, Chennai.
2. Presented paper on “UNLOCKING THE POWER OF UPI: A MACHINE LEARNING JOURNEY THROUGH DIGITAL PAYMENTAND DATA VISUALIZATIONMODELS” in 3rd International Conference on Data science, agents & artificial intelligence organized by Chennai Institute of Technology, department of CSE held on 29th March 2025.
3. Presented paper on “BIOMETRIC SPOOFING DETECTION USING PIXEL MATCHING ALGORITHM” in National Conference on Novel Computing organized by SMK FOMRA Institute of Technology, department of CSE & IT held on 4th March 2016.
4. Presented paper on “SHADOW FREE URBAN HIGH RESOLUTION REMOTE SENSING IMAGES” in National Conference on Novel Computing on Recent Advancements in Signal Processing and Communication organized by RMK College of Engineering and Technology, department of ECE held on 9th March 2015.
5. Presented paper on “BACK PROPAGATION NEURAL NETWORK LEARNING MADE POSSIBLE WITH CLOUD COMPUTING” in National Conference on Novel Computing organized by RMK College of Engineering and Technology, department of ECE held on 9th March 2015.
6. Presented paper on “PASSIVE MEASUREMENT OF INTERFERENCE IN WI-FI NETWORKS WITH APPLICATION IN MISBEHAVIOR DETECTION” in National Conference on Novel Computing ON Novel Computing organized by SRR Engineering College on 28th March 2014.
7. Presented paper on “CREDIT CARD FRAUD DETECTION: LOCATION BASED SECURITY SCHEME FOR SAFETY CARDS” in National Conference on Emerging Trends in Computing organized by S.A Engineering College, department of CSE held on 8th March 2014.

Publication in Journals:

1. G. Prabu; John Felix Prakash A; Emmanuel Robin Joseph; S.M. Poonkuzhali; Ramya R; Subha S “Unlocking the Power of UPI: A Machine Learning Journey through Digital Payment and data visualization models”, DOI: 10.1109/ICDSAAI65575.2025.11011846. Published in IEEE Google Scoper 2025
2. M.Therasa, S.M.Poonkuzhali, K.Hemapriya and S. Raja “Face Recognition using Unsupervised Feature Learning (UFL) Approach”, Middle-East Journal of Scientific Research 24 (S2): 24 (S2): 238-242, 2016 ISSN 1990-9233 IDOSI Publications, 2016, DOI: 10.5829/idosi.mejsr.2016.24.S2.157.
3. Ms. SM. Poonkuzhali, Mrs. S. Hemamalini, Mr. S. Raja and Mrs. K. Hema Priya “Distributed Detection in Mobile Access Wireless Sensing Element Networks Underneath Byzantine Attacks”, World Applied Sciences Journal 34 (11): 1499-1502, 2016 ISSN 1818-4952, IDOSI Publications, 2016, DOI: 10.5829/idosi.wasj.2016.1499.1502, ISSN 1990-9233, IDOSI Publications, 2016, DOI: 10.5829/idosi.mejsr.2016.3560.3563.1

4. 1.S. Selvin Pradeepkumar, 2M. Krishna raj, 3S.M. Poonkuzhali and 3T. Ani Bernish, “Structure for Collecting Mastering Gadgets from Digital Documents”, Middle-East Journal of Scientific Research 24 (11): 3560-3563, 2016.
5. S.M.Poonkuzhali, M.Santhana Joyce², R.Jayashree³, S.Ramya⁴, K.Shalini⁵, “Implementation of Secured Network Based Intrusion Detection System Using SVM Algorithm”, International Research Journal of Engineering and Technology (IRJET), Volume 4, No. 3, 657-664, Google Scholar, March 2017.
6. P.Gayathri¹, S.Divya², K.Prithivi³, S.M.Poonkuzhali⁴, “Position Recognition Of Node Duplication Attacks In Wireless Network”, International Research Journal of Engineering and Technology (IRJET), Volume 4, No. 3, 1596-1605, Google Scholar, March 2017.
7. Jaya Sree R.V, Dhanalakshmi G, Poonkuzhali S.M., Sharmila Banu A. “A Comprehensive Survey of Approaches Used For Detecting Events in Twitter”, International journal of Applied Environment Science ISSN 0973-6077 Volume 11, Number 1 (2016), pp. 259-266.
8. D Srinath, A Jerrin Simla, S Panimalar, SM Poonkuzhali., “Shadow Free Urban High Resolution Remote Sensing Images”, Research Journal of Pharmaceutical, Biological and Chemical Sciences. March-April 2015.
9. S.M. Poonkuzhali, M Therasa, “Data Hiding Using Visual Cryptography for Secure Transmission”, International Journal of Advanced Research in Computer and Communication Engineering Vol. 4, Issue 4, April 2015
10. M Therasa, S.M. Poonkuzhali, S. Hemamalini, “Quest Trail: An Effective Approach for Construction of Personalized Search Engine”, International Journal of Computer Applications Technology and Research Volume 4– Issue 4, 229 - 234, 2015, ISSN:- 2319–8656.

Workshop/FDP Details:

1. One Week short term course Data Science using R through ICT conducted by PANIMALAR INSTITUTE OF TECHNOLOGY, Department of CSE organized by National Institute of Technical and Research Chandigarh from 26th Nov 2018 to 30th Nov 2018.
2. One day workshop on “Grid and cloud computing” conducted by PANIMALAR INSTITUTE OF TECHNOLOGY, Department of IT & CSE organized by CMC Academy creating global professionals CSI on 06th June 2016.
3. Two day workshop on “Cloud Computing” conducted by PANIMALAR INSTITUTE OF TECHNOLOGY, Department of IT & CSE organized by CMC Academy creating global professionals CSI on 12th & 13th May 2015.
4. Two day workshop on “Digital Image Processing using MAT Lab” conducted by PANIMALAR INSTITUTE OF TECHNOLOGY, Department of CSE & IT collaborated with Code bind technology & CSI on 7th & 8th May 2015

5. Five day's FDP on Designing the future: Innovative "AI for engineering, Ethics and Sustainable Development" conducted by Panimalar Engineering College, Chennai on 09th June 2025 to 13th June 2025.
6. Twelve day's FDTP on "CS8494 - Software Engineering" conducted by MIT Campus, ANNA University, Chennai on 09th to 20th Nov 2018.
7. Ten day's FDTP on "Big Data Analytics" conducted by Rajalakshmi Engineering College, Chennai on 08th to 18th June 2016.
8. Five day's FDTP on "Data Science & Big data Analytics" conducted by Panimalar Institute Of Technology, Chennai on 04th to 08th Jan 2016.
9. Seven day's FDTP on "Cryptography and Network Security" conducted by Anna University, Chennai on 25th to 31st May 2015.
10. Seven day's FDTP on "Principles of Compiler Design" conducted by Anna University, Chennai on 12th to 18th Dec 2013.
11. One day FDTP on "Cloud Computing, Data Warehousing & Data Mining" conducted by Panimalar Institute Of Technology, Organized by Department of IT & CSE on 5th Dec 2012.

Additional Responsibilities/ Extra Curricular Activities

1. Language Coordinator.
2. Acted as Student Mentor
3. Worked as Event Coordinate.
4. Conducted Certification Course on Big data analytics
5. Class-Advisor
6. Workshop Coordinator
7. Seminar In-Charge
8. Library In-Charge
9. Certificate In-Charge
10. Acted as Mentor in NPTEL for Internet of things
11. Co-Editor in National conference on Advance Computing and Networking