



ASSISTANT PROFESSOR
Manakula Vinayagar
Institute of Technology,
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S.JAYAMOORTHY

Professional Objective:

Enrich myself and share the knowledge through teaching profession to prove my challenges and to give the best out of me.

Career profile:

Seeking a position with a dynamic organization, where i can learn as well as contribute to the growth of the organization by being resourceful, innovative and flexible. To be dedicated towards my assignment and to deliver the commitment expected out of me.

Educational qualification:

M.E./M.Tech : M.E - CSE from Dr. Paul's Engineering College, Anna University in 2012.
B.E./B/Tech : B.Tech – IT from Annai Teresa College of Engineering, Anna University in 2008.

Work experience: (starting from present position)

S.No	Employer	Designation	Period of Service	Nature of Work
1	Manakula Vinayagar Institute of Technology	Assistant Professor	May 2012 – Till Date	Handling both theory and Laboratory Classes. Department Technical Club Coordinator. Department Entrepreneurship Development Cell coordinator. Class Advisor

Teaching Activities: (Subjects Taught)

(i) Under Graduate :

Computer Organization and Architecture
Principles of Programming Languages
Graphics and Image Processing
Software Engineering
Software Testing and Quality Assurance
Embedded Systems

E- Business
 Mobile Computing
 Operating Systems
 Object Oriented Analysis and Design
 Microprocessors and Microcontrollers
 Computer Hardware and Network Troubleshooting
 Platform Technology
 Distributed Computing

(ii) Post Graduate:

High Performance Network

(iii) Laboratories handled:

Platform Technology Lab
 Microprocessors and Microcontrollers Lab
 Computer Hardware and network Troubleshooting Lab
 Embedded System Lab
 Operating Systems Lab

Major tasks handled:

1. Department Students Counselor.
2. Guided the Students, **P.Preethika, C.Priyadharshini** Topic on “Providing Dual Safety Towards Fishermen During Border Cross and also from External Risk” has received Best Performing Institution for Innovation of Engineering & Technology-**IET’16**, State Level Paper Presentation Contest for the year 2016 on 19th march at Hindustan University.
3. Conducted Five Days **workshop on “Data Science and Big Data Analytics” in Association with ICTACT Pondicherry.**

Paper Publications / Presentation:

	Published	Accepted	Communicated	Total
International Journal	12			12
National Journal	-			-
International Conference	10			10
National Conference	11			11

Workshops attended:

1. Participated in two days workshop “**Recent trends in software Testing and methodologies (SMT’10)**”organized by Anna University of technology, Tiruchirappalli on 1st & 2nd October, 2010.
2. Participated in One day Workshop on “**Next Generation in Wireless Networks**” Organized by Sri Manaukula Vinayagar Institute of Technology, Madagadipet, Pondicherry, on 25th Feb 2011.
3. Participated in Workshop on “**Advanced Wireless Networks**” Organized by Vellore Institute of Technology (VIT), Vellore.

4. Attended National Seminar titled **“Open Source Technology”** – NSOST’11 organized by Adhiparasakthi Engineering College, Melmaruvathur on 27th July 2011.
5. Participated in the National Workshop on **“Cloud computing & Web mining”** Organized by Sri Krishnasami Engineering College, Cuddalore on 27th August 2011.
6. Attended National Level One day Workshop on **“Web Design”** Organized by **SC/ST Cell Anna University of Technology** Trichy, Tamil Nadu, on 7th Sep 2011.
Attended National Level One day Workshop on **“Advanced Software Testing”** Organized by Mailam Engineering College, Mailam on 21st Feb 2012.
7. Attended National Level One day **CSIR** Sponsored seminar on **“Research Direction in Computational Intelligence and its Applications”** Organized by Department of CSE, **CK College of Engineering & Technology** Cuddalore, on 18th and 19th may, 2012.
8. Attended National Level Two day Workshop on **“Network Simulator 2”** Organized by **Prist University** , Puducherry on 20th October 2012.
9. Attended National Level One Week Workshop on **“Embedded System”** Organized by **TCIL-IT**, A Govt. of India Enterprise Under Ministry of Communication & IT, New Delhi on 31st to 05th November 2012.
10. Attended National Level **AICTE Sponsored** Two day National Seminar on **“Current Scenario: Open Source Technologies”** Organized by Manakula Vinayagar Institute of Technology, Department of Computer Science and Engineering, Puducherry on 17th & 18th April 2013.
11. Attended National Level **AICTE Sponsored** Two day Workshop on **“CYBER SECURITY & MALWARE ANALYSIS Level-I”** Organized by Manakula Vinayagar Institute of Technology , Department of Information Technology, Puducherry on 2nd & 3rd August 2013.
12. Attended National Level **MISSION10X** Three days Workshop on **“ENGINEERING FACULTY WORKSHOP”** Organized by Sri Manakula Vinayagar Engineering College, Puducherry on 24th to 26th October 2013.
13. Attended National Level **AICTE Sponsored** Two day National Seminar on **“Impact of Biometric Security using Image Processing”** Organized by Manakula Vinayagar Institute of Technology, Department of Computer Science and Engineering, Puducherry on 12th & 13th November 2013.
14. Attended National Level **ISTE Sponsored One day Workshop on “RESEARCH AND DEVELOPMENTS IN ENGINEERING INSTITUTIONS”** Organized by Manakula Vinayagar Institute of Technology , Puducherry on 13TH September 2014.
15. Attended **“World’s Biggest International Hands –on Ethical Hacking Workshop”** World Record Holder from Wikitechy and Microsoft Research Community Group, Chennai and Level Organized by Manakula Vinayagar Institute of Technology , Puducherry on 31ST July 2016.
16. Attended National Level **“Understanding Mathematics in Engineering Perspective”** Two Days Workshop Conducted by the Department of Electronics and Communication Engineering, Organized by Manakula Vinayagar Institute of Technology , Puducherry on 15th & 16th December 2016.

FDP/STTP/ attended:

1. Attended one week **TEQIP** sponsored Faculty Development Programme on **“Advances in service oriented Architecture and web Services”**– Organized by Department of CSE, PEC, Pondicherry from 3rd to 07th December 2012.
2. Attended one week **ICT** academy of puducherry sponsored Faculty Development Programme on **“Web Application Development using .Net Technologie”** – Organized by Department of CSE, held at Sri Ganesh College College of Engineering and Technology, Pondicherry from 2nd to 10th May 2013.
3. Attended Three Day Faculty Development Programme on **“Ripe Faculty Development Module (RFDMTM)”** – Organized by Manakula Vinayagar Institute of Technology, Department of CSE, Pondicherry from 10th to 12th June 2013.

4. Attended Eight Days Faculty Development Programme on “**PHP&MySQL Programming**” – Organized by **ICT Training academy** of Puducherry, held at **ICT Training Academy(DIT),Puducherry**, from 19th to 28th May 2014.
5. Attended One Day Seminar Programme on “**Research Issues in Image Processing and Data Mining**” – Supported by **CSI Chapter** and Organized by **Manakula Vinayagar Institute of Technology, Department of Computer Science and Engineering ,Puducherry**, on 3rd Dec 2014.
6. Attended Three Days Faculty Development Programme on “**E-Literacy Level –II (Advanced Teaching Techniques)**” – Organized by **ICT Academy (DIT),Puducherry**, held at **ICT Training Academy(DIT), Puducherry**, from 04th to 06th May 2015.
7. Attended Eight Days Faculty Development Programme on “**Cloud Computing**” – Conducted by **ICT Academy (DIT), Puducherry**, Organized by **Manakula Vinayagar Institute of Technology**, from 08th to 17th June 2015.
8. Attended Two Week workshop on “**Introduction to Design of Algorithms**” under the National Mission on Education through **ICT (MHRD, Govt. of India)** from dates 25/05/2015 to 30/05/2015 in the **ARUNAI COLLEGE OF ENGINEERING - TIRUVANNAMALAI – 1311**.
9. Attended Three Days Faculty Development Programme on “**Life Skills (Advanced Teaching Techniques)**” – Organized by **ICT Academy (DIT),Puducherry**, held at **ICT Training Academy(DIT), Puducherry**, from 02nd to 06th NOV 2015.
10. Attended Five Days Faculty Development Programme on “**Web Designing and Scripting (Using JavaScript and DHTML)**” – Organized by **Manakula Vinayagar Institute of Technology**, from 24th to 28th Nov 2015.
11. Attended Five Days Faculty Development Programme on “**Data Science & Big Data Analytics**” – Organized by **Sri Manakula Vinayagar Engineering College**, from 30th Nov to 04th Dec 2015.
12. Attended Three Days Faculty Development Programme on “**Data Center Virtualization Fundamentals**” from **Vmware** Conducted by **ICTACT Academy(TamilNadu)**,Organized by **SONA College of Technology**, from 30th May to 01st June 2016.
13. Attended one day Guest Lecture on “**How to Prepare Proposals and Apply for Funding**” Sponsored by **ISTE** and Organized by “**Manakula Vinayagar Institute of Technology**” on 03.06.2016.
14. Attended One day Workshop on “**Accreditation-Norms and Standards, Implementation in Technical Education**” Sponsored by **ISTE** and Organized by “**Manakula Vinayagar Institute of Technology**” on 04.06.2016.
15. Attended Three Days Faculty Development Programme on “**PHP and MYSQL**” Organized by “**Manakula Vinayagar Institute of Technology**” from 15th to 17th June 2016.
16. Attended One Days Faculty Development Programme on “**Latex Software**” Organized by “**Manakula Vinayagar Institute of Technology**” on 21th June 2016.
17. Attended Two Days Faculty Development Programme on “**Mobile Application Development**” Conducted by **ICTACT Academy (Puducherry)**, Organized by “**Manakula Vinayagar Institute of Technology**” from 29th to 30th June 2016.
18. Attended Three Days Short Term Training Programme on “**Data Science-Hands on session with Open Source Tools**” Conducted by **Department of IT** , Organized by “**A.V.C College of Engineering**”,**Mannampandal,Mayiladhuthurai**, from 24th to 26th Nov 2016.
19. Attended One Day Faculty Development Programme on “**Current Trends in IT**” Conducted by **TCS** at **Karapakkam,Chennai** on 30th May 2017.
20. Attended Two Days Faculty Development Programme on 9th and 10th Nov 2017 “**IOT and Data Analytics**” – Supported by **CSI Chapter** and Organized by **Sri Manakula Vinayagar Engineering College**.
21. Attended Six Days Faculty Development Refresher / Induction Programme from 21st to 26th May 2018 “**Big Data Technologies and Applications**” – Sponsored by **AICTE-ISTE** Organized by **Annamalai University, Chidambaram,Tamilnadu**.

Project Guidance:

No. of B.E. Projects Guided: 11

Professional Membership:

ISTE Chapter (*Membership No: LM 108593*).

IAENG MEMBER (Id Number:118022)

IACSIT MEMBER(Id Number:80344066)

INTERNATIONAL JOURNAL:

1.S.Jayamoorthy , **Research Paper title “Strengthening password using ER Image Matrix Model with PCCP Based GUI Scheme”** International Journal of Advances in Research, Volume 2, Issue 12, Decemebr 2013. ISSN: 2278-7844, Reg No. **IJAIR/13/12/02/79**

2.S.Jayamoorthy , **Research Paper title “Monitoring and Self-Transmitting Data Using Zone Routing Protocol in Ad-hoc Network towards Effective Mobility Management”** International Journal of Computer science and Mobile Computing, Volume 3, Issue 4, April 2014. **IJCSCMC**, ISSN: 2320-088X

3.S.Jayamoorthy , **Research Paper title “SPPDT-Secure Privacy Preserving Data Transmission in Ad-Hoc Network”** International Journal of Engineering Research & Technology(**IJERT**), Volume 3, Issue 6, June 2014. ISSN: 2278-0181

4.S.Jayamoorthy , **Research Paper title “Loon-a Wireless Network Communication for providing Fast Internet Access”** International Journal of Engineering Sciences & Management Research (**IJESMR**), Volume 1, Issue 1, June 2014. ISSN: 2349-6193.

5.S.Jayamoorthy , **Research Paper title “Alternative Approach of Handling DOS Vs Mobility Management with Effective Utilization of Client’s Needs”** International Journal of Innovative Research in Computer Science & Technology(**IJIRCST**), Volume-3, Issue-1, January-2015. ISSN:2347-5552

6.S.Jayamoorthy , **Research Paper title “Real time monitoring & updating recommender system”** International Journal of Engineering Technology and management (**IJETM**), Volume-2, Issue-2, March-2015. ISSN: 2394-6881.

7.S.Jayamoorthy , **Research Paper title “Reduce Network Latency Downtime and Improve Web Service Retrieval Time Using Zone Based Frequency Partition Technique”**, Published in the Journal of Computing Technologies. (**JCT**), (2278 – 3814) / # 7 / Volume 5 issue 2 Feb-2016. ISSN: 2278-3814.

8.S.Jayamoorthy , **Research Paper title “Real time Analysis Of Social Network Twitter For Rating And Blocking User Comments Using NLP”**, Published in the International Journal of Technology and Engineering Systems (**IJTES**), (2278 – 3814 Vol 8. No.1 – Jan-March 2016 Pp.101-114 © gopalax Journals, Singapore. ISSN: ISSN: 0976-1345.

9.S.Jayamoorthy , **Research Paper title “Sentiment Analysis by Three Side Review for Text Messages using Trust Based Collective View Prediction”**, published in the “International Journal of Engineering and Management Research(**IJEMR**)”, Volume-6, Issue-5 of September-October 2016.

10.S.Jayamoorthy , **Research Paper title “Real Time Emergency Care Monitoring Using Data Stream Processing ”**, published in the “International Journal of Engineering Science and Computing (**IJESC**)”, Volume-7, Issue-4 of April 2017. ISSN:2250-1371.

11.S.Jayamoorthy , **Research Paper title “Automatic Detection And Notification Of Potholes And Hump To The Aid Drivers”**, published in the “International Journal of Innovative Research and Advanced Studies (**IJIRAS**) Volume 4 Issue 4, April 2017.

12.S.Jayamoorthy , **Research Paper title” “Identification of leaf diseases using Fuzzy C –Mean and Kernal Fuzzy C - Mean and suggesting the Pesticides”**, Published in the “International Journal of Advanced Research in Science, Engineering and Technology (**IJARSET**) Volume 4 , Issue-5 Of May-2017. ISSN 2350 0328.

INTERNATIONAL CONFERENCES

- 1.R.Sathish Kumar and R.Nanda Kumar and *S.Jayamoorthy* and G.Appasami, “**Efficient Intrusion Detection on Mobile Ad Hoc Networks Using Data Mining**”, Paper Presented in the proceedings of (**RECENT ADVANCEMENTS IN COMPUTING TECHNOLOGY ICRACT’11**) ISBN-978-81-909042-4-7 pp: 27-35 held on 12&13th September 2011 at Dr.Pauls Engineering College, Tamil Nadu, India.
2. *S.Jayamoorthy* and G.Appasami and R.Nakkeeran, “ **Improving Early Attack Detection in DDoS By Reducing FPFN rate Using Ip Information Metrics**”, Paper Presented in the proceedings of (**INTERNATIONAL CONFERENCE IN MAGNA ON EMERGING ENGINEERING TRENDS INECENT ICMEET-2K12**) ISBN-978-81-923833-0-9 pp: 27-35 held on 12&13th April 2012 at Magna Engineering College, Tamil Nadu, India.
- 3.J.Josiya Ancy and S.Balasaraswathi and A.Sarannia and *S.Jayamoorthy*, “**Freezing Attackers in Web Based Application by using Drive based and SQL Injection Approach**”, paper Presented in the proceedings of (**ELECTRICAL,ELECTRONICS & COMPUTER SCIENCE ICEECS’12**) ISBN-978-93-82208-38-9 pp: 8-14 Organized by IRNet INDIA held on 25th Nov 2012,Chennai, Tamil Nadu, India.
- 4.R.Sathish Kumar and N.Sowri Raja Pillai and S.Sandosh and *S.Jayamoorthy*“ **Impact of Green Virtualization for Next Generation Computing**”, Paper Presented in the proceedings of (**RECENT ADVANCEMENTS IN COMPUTING TECHNOLOGY SMART’12**) held on 12&14th December 2012 at Sri Manakula Vinayagar Engineering College, Pondicherry, India.
- 5.S.Jayamoorthy “**Fault Tolerance in Service Oriented Grid and Quality of Service improvisation**” presented in International Conference on Futuristic Trends in Computer Science Engineering and Information Technology (ICFTCS3014) Thiruvalluvar college of engineering and technology held on 1st and 2nd March 2014.
- 6.S.Jayamoorthy, Shabana “**Scrutinizing Vulnerable Attacks in Cloud Infrastructure**” participated in International Conference on Intelligent Computing Applications(ICICA2014) published in ISBN: 978 – 81 – 9291131 – 0 - 0. Organized by Bharathiar University on 6th and 7th , March 2014.
- 7.S.Jayamoorthy, “**Loon-A Wireless Network Communication for Providing Fast Internet Access**” participated in International Conference on Advanced Research in Engineering and Technology(ICARET-2014) published in ISBN: 978 – 81 – 9089A80 – 6 - 5. Organized by ARM College of Engineering and Technology, Chennai, Tamilnadu, India on 18th and 19th April 2014.
- 8.S.Jayamoorthy, “**Image Enhancement with Quality Assesment for High Precision Indexing to determine fake Traits in Multi-Biometric Systems**” presented in International Conference on Advancements in Engineering and Technology” (ICAET 2015) to be held during 13th and 14th of March 2015 at **Acharya College of Engineering Technology, Puducherry, INDIA.**
- 9.S.Jayamoorthy, “**Realtime Analysis Of Social Network Twitter For Rating And Blocking User Comments Using NLP**” participated in International Conference on Engineering, Technology and Computing Applied Sciences(ICETAS2016) published in Conference Proceedings Organized by KKC College of Engineering and Technology, to be held during 25-27th February-2016 Jayankondam,Ariyalur,Tamilnadu.
- 10.S.Jayamoorthy, “**Mining Utility Itemset By Using High Utility Pattern Growth And Utility Pattern-Tree Approach**” participated in International Conference on (ICCCE-2016) published in Conference Proceedings Organized by University College of Engineering to be held during 29-30th December-2016 Villupuram,Tamilnadu.

NATIONAL CONFERENCES

- 1.R.Sathish Kumar and R.Santhosh Kumar and *S.Jayamoorthy* and R.Nanda Kumar “**Improving Routing Quality in WSN by Using WAODV Routing Protocol**”, Paper Published in the

proceedings of (STEP MAC'11) ISBN NO: 978-81-921128-3-1, held on 27th September 2011 at Anna University of Technology, Tiruchirappall.

2.R.Sathish Kumar and R.Santhosh Kumar and *S.Jayamoorthy* and G.Appasami, “**Dynamic Channel Acquisition using WBAODV Protocol in Wireless Downlinks**”, paper published in the proceedings of (NCACC2011) ISBN NO: 978-93-81208-01-4, pp:133-135, held on 16-18, April 2011 at Adhiparasakthi Engineering College, Melmaruvathur.

3.R.Sathish Kumar and P.Santhosh Kumar and *S.Jayamoorthy* and K.Ganesan “**Detecting DDos Attack and Congestion Using Dual Level Scheme in Network**”, paper published in the proceedings of (NCAC2011) held on 16, May 2011 at Mailam Engineering College, Villupuram.

4.R.Sathish Kumar and P.Sivaraman and *S.Jayamoorthy* and R.Nanda Kumar “**TPA Auditing to Keep Cloud Services Reliable and Stable Using Homomorphism Authenticators**”, paper published in the proceedings of (NCIT 2011) held on 6, September 2011 at Karpagam University, Coimbatore.

5.R.Sathish Kumar and P.Sivaraman and *S.Jayamoorthy* and G.Appasami “**Efficient Security Mechanism in Route Discovery on MANETs Using Source Routing Protocol and endairA Algorithm**”, paper published in the proceedings of (NMAC-2K11) held on 16, September 2011 at Magna Engineering College, Chennai.

6. *S.Jayamoorthy*,G.Appasami and M.G.Lavakumar “**Improving Early Attack Detection in DDos by Reducing FPFN Rate Using IP Information Metrics**”, paper published in the proceedings of (NCATDIP'2012) held on 6 & 7, Jan 2012 at Arasu Engineering College, Kumbakonam.

7.R.Sathish Kumar and P.Santosh Kumar and *S.Jayamoorthy* and R.Nanda Kumar “**Collaborative Distribution of Virtual Machine Images on Cloud Computing Environments**”, paper published in the proceedings of (CISTA'11) held on 30, September 2011 at A.V.C College of Engineering, Mayiladuthurai.

8.P.Santosh Kumar and P.Suresh and *S.Jayamoorthy* and G.Ram Tandon “**Correctness of Cloud Computing Using PDA**”, paper published in the proceedings of (NCTD2S-2K11) ISBN NO: 978-81-909042-05-4, pp:133-135, & held on 15 & 16, September 2011 at Sathyabama University, Chennai.

9.J.Josiya Ancy and S.Balasaraswathi and A.Sarannia and *S.Jayamoorthy*, “**Freezing Attackers in Web Based Application by using Drive based and SQL Injection Approach**”, paper Presented in the proceedings of (NCRTIT'13) held on 25th Feb 2013 at R.M.K College of Engineering ,Chennai.

10.S.Jayamoorthy,”**Fault Tolerance in Service Oriented Grid and Quality of Service improvisation**” presented in Hindustan Institute of Technology(NCACT' 14) held on 11th and 12th March 2014.

11.S.Jayamoorthy “**Realtime Analysis Of Social Network Twitter For Rating And Blocking User Comments Using NLP**”, Published in the National Conference on “Sustainable Modern Advances in Research and Technology(SMART-2016)” Organized by Dr.Pauls Engineering College on 23rd -24th March 2016.