DR. C. JAYAKUMAR
B.E, M.E, Ph.D.

Fellow member/Life Member/Senior Member/Member in

ISTE, CSI, IACSIT, IE, IEANG, SDIWC, CSTA

Associate Professor & HoD(AI &ML)
Department of Computer Science
Rajiv Gandhi National Institute of Youth Development (RGNIYD)
(Institute of National Importance)
Ministry of Youth Affairs & Sports, Government of India
Sriperumbudur – 602105
Tamil Nadu, India.

Mobile: 9884217734
Ecjayakumar2007@gmail.com
jayakumar@rgniyd.gov.in

1. **Name:** Dr C. JAYAKUMAR B.E, M.E, Ph.D.

2. **Nationality:** Indian

3. **Address for Communication:**

    Residence   Office
    9/10, GF1, 26th Street   Associate Professor & HoD(AI &ML)
    Ashok Nagar   Department of Computer Science
    Chennai-600083   Rajiv Gandhi National Institute of Youth
    Phone: 04423711921   Development (RGNIYD) (Institute of
    Mobile: 09884217734   National Importance)
    Email: cjayakumar2007@gmail.com   Ministry of Youth Affairs & Sports,
     jayakumar@rgniyd.gov.in   Government of India
                                               Sriperumbudur – 602105

4. **Academic Qualification**

    - Ph.D. in Computer Science and Engineering, October 2006
      College of Engineering Guindy, Anna University Chennai
      Ph.D. thesis title "Design of Routing Protocols for Mobile Adhoc Network"
    - M.E in Computer Science and Engineering, January 2001
      College of Engineering Guindy, Anna University Chennai
    - B.E in Electrical and Electronics Engineering, April 1997
      Noorul Islam College of Engineering, Manonmaniam Sundaranar University,
      Tirunelveli.

5. **Area of Expertise:**
    - Machine Learning
    - Deep Learning
    - Mobile Computing
    - Computer Networks
    - Object Oriented Analysis and Design
    - Software Engineering
    - Object Oriented Software Engineering
    - Mobile Ad hoc Networks
    - Social Network Analysis

6. **Current Research Interest:**
    - Machine Learning
    - Deep Learning

7. **Present Position:**
    Associate Professor & HoD

Department of Computer Science (AI &ML)
Rajiv Gandhi National Institute of Youth Development (RGNIYD) (Institute of National Importance)
Ministry of Youth Affairs & Sports, Government of India
Sriperumbudur – 602105

8. **Immediate Past Position:**
Professor
Sri Venkateswara College of Engineering,
Pennalur, Sriperumbudur Tk - 602117
Tamil Nadu, India

9. **Other Important Academic and Administrative Assignments:**
<u>Administrative Responsibilities</u>

- Chairperson Of "Equal Opportunity Cell" (EOC) At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Member Of Disposal Of Unserviceable And Obsolete Item At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Member Of Committee For Selection Of The Library Assistant And Library Attendant Cum Typist During The Period 28-7.2022 And 29.7.2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- The Committee Member For Scrutinize The Programme Proposal Received at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur. The proposal is to Conduct Training Programmes For The NSS / NYKS Volunteers / Youth / Students In Collaboration With The National Institutes, Central Universities And State Universities Across The Country.
- Chairman - Board Of Studies Committee For The Department Of Mathematics, Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Viva voce Member For The Ph.D. Viva-Voce Examination At The SRM Institute Of Science And Technology, Chennai.
- Member of The 13th Library Purchase Committee Meeting At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Member of The Selection Committee For Appointment Of Guest Faculty (On Contract) For The Department Of Computer Science at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Member of Scrutiny Committee For The Recruitment Of Non-Teaching Positions at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Member of Academic Calendar Committee for the Academic Year 2021-22 And 2022-2023 at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Member of Purchase Committee for the year 2023 at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.

- Department Placement Officer for the department of computer Science(Aritificial and Machine learning Intelligence) at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Nominated As A Member Of The Selection Committee For Appointment Of Guest Faculty (On Contract) For The Department Of Computer Science In Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur Through Walk-In Interview Scheduled On 23.01.2023.
- Participated In The Official Language Implementation Committee Meeting Held At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur On January 6, 2023.
- Participated In The Result Pass Board Meeting At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur For 2021-23 Batch On 09.01.2023.
- Chairperson Of Anti Ragging Committee At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Part Of Decoration Of The Main Gate. Buildings And Campus Committee Of Convocation, RGNIYD.
- Part Of Seating Arrangements (For Medal Winners/Rank & Degree Certificates) Of Convocation, RGNIYD.
- Member of a Committee To Organise Cultural Events For The Republic Day Event In 2023 with Students And Children Of Faculty, Staff, And Outsourced Staff Members at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- PhD Viva Expert For the Anna university Research Scholar Ms.G.Vasukidevi during the year 2022.
- The Faculty Coordinator For The House Of Baratheon At Annual Sports Eve, Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Pals Coordinator (IIT Madras Alumni Iniative) for student related activities at Sri Venkateswara College of Engineering.
- Pals Virtual Lab Coordinator (IIT Madras Alumni Iniative) for Vlab related activities at Sri Venkateswara College of Engineering.
- HTC- ITMR Coordinator for Student industry Projects on AI, Bank and Insurance domain at Sri Venkateswara College of Engineering(2017-2020)
- PG Class Committee chairperson at Sri Venkateswara College of Engineering, Pennalur during the academic year 2017-18.
- Coordinator for Lunch, Refreshments for Guests for College day COLLEGE DAY- 2019 at SVCE.
- UG Class Committee chairperson at Sri Venkateswara College of Engineering, Pennalur during the academic year 2019-20.
- Department Level coordinator for AICTE sponsored Virtual International Conference on Smart Materials & Emerging Technologies for Industry 4.0" held on 16th & 17thOctober, 2020 at SVCE.
- UG Class Committee chairperson at RMK Engineering College during the year 2013.

- Mock Inspection Committee Member for Anna University Affiliation at RMK Engineering College during the year 2013.
- UG Project Coordinator at RMK Engineering College for the academic year 2013-14.
- UG Project Viva Examiner at Department of Computer Science and Engineering, College of Engineering Guindy, Anna University, Chennai, 2013.
- Website Coordinator in RMK Engineering College
- Department Coordinator for Central valuation of Model Exam at RMK Engineering College
- Department Mock Interview Coordinator at RMK Engineering College
- Department Disciplinary Committee Coordinator at RMK Engineering College
- College Disciplinary Committee Coordinator at RMK Engineering College
- ME CSE Project Coordinator at RMK Engineering College
- Worked as Class-Coordinator, Class Committee Chairperson for UG & PG Batches.
- External Examiner for PG Project viva at Anna University, Affiliated Colleges, Sathyabama University and VIT University.
- Advisory Committee Member for various National Conference conducted in India
- Disciplinary Committee Member in Easwari Engineering College
- Enquiry Committee Member in Easwari Engineering College
- Worked as Project-in-charge in National Institute of Technology and Science
- Organized Industrial Visits to various IT & ITES companies to students.
- Coordinator for "TCS Best Students Award" functions for the year 2007 & 2008.
- Worked as Coordinator for "National Board of Accreditation (NBA)" work at Easwari Engineering College, Chennai.
- Coordinator for "Anna University Affiliation" work at KCG college of Technology, Easwari Engineering College, Chennai.
- Worked in "Anna University Affiliation" work at Easwari Engineering College, Chennai.
- Worked as Coordinator for "Anna University Research Nodal Centre" work at Department of Computer Science and Engineering, Easwari Engineering College, Chennai.
- Worked as Coordinator for "TCS Accreditation Inspection" at Easwari Engineering College, Chennai.
- Worked as Single point of Contact (SPoC) for INFOSYS Campus Connect Programme at Easwari Engineering College, Chennai.
- Worked in Anna University Engineering Admission during the year 2004.

RGNIYD/Anna University Exam Related works
- Chief Superintendent for End semester Exam held on November/December 2022 at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Chief Superintendent for Anna University Online Exam held on November/December 2020 (Reexamination) And April/May 2021 Examinations at Sri Venkateswara College Of Engineering.

- Proctor for Anna University Online Exam held on September 2020 University Examinations at Sri Venkateswara College Of Engineering.
- Anna University Chief superintendent for the April/May2019 University Examinations at Sri Venkateswara College Of Engineering.
- "Ph.D viva voice member" during the year 2022 at SRM University.
- Ph.D Viva voice Member" during the year 2020 for the Sri Guru Granth Sahib World University, Fatehgarh Sahib.
- Anna University "Ph.D Viva voice Member" during the year 2015
- Hindustan University "Ph.D Viva voice Member" during the year 2016.
- "Anna University Inspection Committee Member" for Affiliated Colleges for the academic year 2008-09.
- Chairman for CSE & IT Board for Zone 3 for Anna University Valuation during May/June 2017.
- Chairman for CSE & IT Board for Zone 3 for Anna University Valuation during Nov/December 2016 and May/June 2010.
- Member of the result pass board of Anna University BE/BTech Degree examination held in May/June 2010.
- "Anna University Representative(AUR)" for the academic year 2007-08 & 2008-09 for the few Anna University Affiliated Colleges.

Board of Studies Member/Technical Committee Member in Universities/Colleges
- Board of Studies Member of Department of Computer Science at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur
- Board of Studies Convener for Department of Mathematics at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur
- Board of Studies Member of Department of Computer Science at Chennai Institute of Technology.
- Board of Studies Member of Department of Computer Science/IT/MCA/ME CS at SA Engineering College.
- Governing Body Member of Sri Venkateswara College Of Engineering, Pennalur, Sriperumbudur, for the period 2016-17.
- Chairman for the Faculty of CS and IT Board Sri Venkateswara College Of Engineering, Pennalur, Sriperumbudur for the period 2016-17.
- Academic course committee member at Sri Venkateswara College Of Engineering, Pennalur, Sriperumbudur, for the period 2016-17.
- Core Committee member for Innovation and Entrepreneurship Development Centre (IEDC) Student Projects (Sponsored by NSTEDB- DST, Government of India) in RMK Engineering College.(2011-2016)
- Coordination Committee Member for "AICTE-RPS Project" on Adhoc Networks at Department of Electronics and Communications, Easwari Engineering College, Chennai.
- Member in Board of Studies in Meenakshi University, Chennai
- Technical Committee member in SRM University
- Technical Committee member in SRM Arts and Science Chennai

10. Total Teaching Experience:

As on April 2023 : 23 Years and 11 months
Associate Professor & HoD(AI&ML)
   Department of Computer Science
   Rajiv Gandhi National Institute of Youth Development (RGNIYD)
   (Institute of National Importance)
   Ministry of Youth Affairs & Sports, Government of India
   Sriperumbudur – 602105,
   Tamil Nadu, India.
   June 2022 – Till date
Professor
   Department of Computer Science(Data Science)
   Sri Venkateswara College of Engineering,
   Pennalur, Sriperumbudur Tk - 602 117
   Tamil Nadu, India.
   June 2017- May 2022
Professor & Head
   Sri Venkateswara College of Engineering,
   Pennalur, Sriperumbudur Tk - 602 117
   Tamil Nadu, India.
   June 2016- June 2017
Professor
   RMK Engineering College
   Kavaraipettaii- 601206
   July 2010- April 2016
Professor & Head
   Easwari Engineering College, Chennai-600089
   January 2007- June 2010
Assistant Professor & Head
   K.C.G College of Technology, Chennai-600096
   January 2006- December 2006
Research Associate
   College of Engineering Guindy, Anna University, Chennai-600025
   November 2002- December 2005
Lecturer
   National Institute of Technology and Science, Chennai-600096
   January 2001 –October 2002
Lecturer
   Thangavelu Engineering College, Chennai-600096
   June 1997 – July 1999

11. Total Research Experience: 20 years

12. Training Experience: NA

13. Invited Lecture Delivered in the Last Three Years:
• Delivered the lecture "Semantic Web" in One week International Faculty Development Programme on "Role of Machine Intelligence for Information Retrieval (RMIIR)" organized by Department of Computer Science and Engineering at GMR Institute of Technology, Rajam, India; held on 09-07-2021.

• Delivered the Lecture at FDP on Research skill development Entitled "Semantic web" on 22.8.2020 through online pedagogy, Sathyabama Unviersity Chennai.

14. Conference/Workshop/Seminar Attended in the Last Three/Five Years
Chaired the Session at International Conferences
• Jury for the International Virtual Conference on Research Innovation in Science, Engineering and Technology(IVCRISET 2021), 1st march and 2nd march 2021, Kings Engineering college, Chennai
• Chair the session at International conference on computing communication and control organized by sairam engineering college chennai & IFERP on 28.2.2020 and 29.2.2020
• Chair the session at International Conference on Innovations Engineering, Technology & Management (ICIETM'2019) at JNN Institute of Engineering Kannigaipair, Thiruvallur District on 18th May 2019.
• Chair the Session at Two-Day National Conference on Youth Advanced Computational Convergence (YACC-2023) conducted on 21 March 2023 - Dept of Computer Science(AI&Ml, Cyber Security and Data Science) Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur

International / National Conference /FDP Participated
• Present A Paper "Brain Tumour Classification With MRI Brain Image Using Level 2 - GLCM Features And Sparse Representation Based Segmentation", At 3rd International Conference On Intelligent Sustainable Systems(ICISS 2020), December 3-5, 2020 By SCAD Institute Of Technology At Palladam , India.
• Presented A Paper At "Virtual International Conference Smart Materials & Emerging Technologies For Industry 4.0", Personnel Safety Alert System Using Machine Learning, 16th& 17th October, 2020, SVCE Sriperumbudur.
• Presented A Paper At 1st Global Conference On Artificial Intelligence And Applications, September 8-10 2020, University Of Engineering And Management, Jaipur.
• Presented A Aper At International Conference On Recent Trends In Advanced Computing Artificial Intelligence And Technology (AIT), 2020 ICRTAC – AIT 2020 ,Vellore Institute Of Technology, Chennai, Tamilnadu, India On 17th & 18th December 2020.
• Presented A Paper At 2nd International Conference On Recent Trends In Science And Technology, GKM Engineering College In Associated With TECHOWN Chennai, March 20th 2019.

• Presented A Paper At 5th International Conference On Science Technology Engineering & Mathematics, Jeppiar Engineering College, Chennai, March 14th And 15th 2019.
• Attended FDP On "Virtual Lab" Held From 14-Sep-2020 To 18-Sep-2020 As Part Of Pals Vlabs 2020-21 Initiavie With NIT Surathakal.
• Delivered The Lecture At FDP On Research Skill Development Entitled "Semantic Web" On 22.8.2020 Through Online Pedagogy Conducted By Sathyabama University.
• Participated In Two Week Online Refresher Course/FDP On Recent Trend In Information, Computing, Communication And Teaching Methodology Competency Conducted By Sairam Engg College During 04th To 17th May 2020.
• Completed Coursera Course (University Of Michigan) "Programming For Everybody (Getting Started With Python), 7 Weeks, July 2020.
• Completed Coursera Course (Johns Hopkins University) "The Data Scientist's Toolbox", 4 Weeks, June 2020.
• Attended Webinar On "NAAC Accreditation Management System Demo By Inpods On 20th May 2020.
• Attended Java Training On 22nd May 2020 Conducted By IIT Bombay & SJCE.
• Attended Online Python 3.4.3 Training On 23rd May 2020 Conducted By IIT Bombay & SJCE.
• Attended Webinar On "Deep Learning" By Jerusalem Engineering College On 21st May 2020.
• Completed 6 Month Course On Deep Learning Conducted By One Fourthlab Of IIT Madras On August 2020.
• Completed 6 Month Course On Data Science Conducted By One Fourthlab Of IIT Madras On 6th December 2020.

National Workshop/Symposium/Staff Development Program Participated
• Attended The Capacity Building Lecture On "Stylistics And The Literary Canon: Rhetoric And Prosody", On The 21st Of July 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
• Attended The Official Language Implementation Committee Meeting On February 8, 2022, At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
• Attended The Capacity Building Commissions Meeting On 12.08.2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
• Participated Cultural Extravaganza By Indigenous Tribal Artistes From Tribal Research Centre, Nilgiris Organized By The Department Of Sociology And Department Of English In Collaboration With The Tribal Research Centre, Nilgiris District, Department Of Tribal Welfare, Government Of Tamil Nadu Between 08-10 August 2022 Under Celebration Of Azadi Ka Amrit Mahotsav At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.

- Attending Hindi Praveen Course At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended 16th Library Purchase Committee Meeting Held On January 24, 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur..
- Attended The Special Lecture" "Promoting Intergenerational Bonding And Managing Conflicts" In Commemoration Of The International Day Of Youth - 2022 On 12th August 2022 Organized By The Centre For National And International Collaboration (CNIC) At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended Comprehensive Anna University Phd Viva-Voce Dc Meeting - Mr.P. Thamizhikkavi On Aug 24, 2022 Through Online.
- Attended The IRINS Demonstration On 24.08.2022 At 04.30 Pm At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Special Lecture On The Topic 'Conflict Resolution And Peace Building: Gandhian Perspectives And Practices', Delivered By Prof. William Baskaran, Dept. Of Gandhian Thought And Peace Science, Gandhigram Rural Institute, Tamil Nadu On 30th September 2022 Online , Organized By The Department Of Sociology & Department Of Social Work, Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Hindi Diwas And Pakhwada Inaguaration Function On September 19th 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Webinar Organised By UGC On The Prevention Of Cybercrime And Adaptation Of Cyber Hygiene To Celebrate Cyber Jagrookta Diwas On October 6, 2022.
- Attended The Celebration Of National Unity Day On October 31, 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Vigilance Awareness Week At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur On November 4, 2012. Resource Person: Smt. R. Premi, Additional Commissioner Of Income Tax Tds, Chennai.
- Attended The Online Invited Technical Talk - "Towards Applying Brain-Computer Interface In User Research And Interactive Systems" On 28 November, 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Sensitization Programme On Sexual Harassment Of Women At Workplace (Prevention, Prohibition And Redressal) On 29th November 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Inaugural Function Of Two-Day Workshop On Academic Writing Between The 15th And 16th Of December 2022 Organized By The Department Of English At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.

- Attended The Orientation On Gandhi Fellowship Organized By Placement Cell Of Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended Ph.D Viva Voce As Viva Expert For Research Scholar Ms.G.Vasukidevi On 22.12.22 In Online Mode.
- Attended The Inauguration Of RGNIYD Main Entrance Gate, Staff Quarters And Computer Laboratory By Shri. Anurag Singh Thakur, Honorable Minister For Youth Affairs And Sports, Information And Broadcasting, Government Of India On 21.12.2022, 02.00 Pm Through Virtual Mode.
- Attended The Webinar On Ramanujan's Contribution Towards Day To Day Life On 22.12.2022, Organized By Department Of Mathematics In Association With The Department Of Computer Science (Data Science) For Celebrating National Mathematics Day -2022.
- Attended The C-DAC Training Program For Bridge Course On The Theme Of "Cloud Computing" On 3rd January 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Cultural Programme Organized By The Department Of Sociology And Social Work, Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur In Commemoration Of The National Youth Day 2023 On 11.01.2023.
- Attended The Inaugural Function Of A Two-Day Workshop On Matlab For Beginners Organised By The Department Of Mathematics And The Department Of Computer Science (Data Science) During The Period January 24 And 25, 2023, At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended Inaugural Function Of A Five-Day Workshop On Blockchain Technology Organized By The Department Of Computer Science And Cyber Security At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur During The Year 2023.
- Attended Special Lecture On 'Gender And Intersectional Inequality', Delivered By Dr. S. Anandhi, Professor, MIDS, Chennai, Organized By Department Of Sociology On 7th February 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Celebration Of Annual Sports Meet-2023 Program On 17th February 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Demonstration Program On Augmented Reality & Virtual Reality Organized By The Department Of Computer Science (Cyber Security) On 9th February 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Special Lecture "Overview Of National Education Policy 2020 With Special Reference To Its Importance In Higher Education" On 28.02.2023, Organized By Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur IQAC Cell. Resource Person : Prof.Dinesh Prasad Sakiani, Director, National Council Of Educational Research And Training (NCERT) - New Delhi.

• Presented The Department Presentation Along With Faculty To The Academic And Administrative Audit (AAA) Team During February 25 &26, 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.

• Participated 15 Days Staff Development Program On "Data Science And Exploratory Data Analysis With R And Python" At Sairam Engineering College During 7th June 2019 To 20th June 2019.

15. Award Received (indicate the name of the Institute):

Won The Third Prize in Reading Competition for Non-Hindi Teaching Staff under The Hindi Diwas And Pakhwada eve On September 19th 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.

16. Experience of Supervision of Doctoral Thesis:
· **Pursuing- 3 No**
· **Completed- 15 No**

17. Research Projects (On-going and Completed):
Ongoing: Nill (2 Proposal submitted)
Completed: 1 NO
Principle Investigator for "Establishment of Pervasive Computing Environment" (Grant 8 Lakhs) at Department of Computer Science and Engineering, Easwari Engineering College, Chennai during the period 2008-10.

18. Consultancy Services: Nill

19. Member of Any Academic Body:
• Member in Association of Computer Machinery(Member Number 3623003)
• Fellow Member in Institute of Engineers(FIE) (No.F-122372-7)
• Senior Member in International Engineering and Technology Institute (IETI) (No.20160133CC)
• Life Member in Indian society of Technical Education(ISTE) (No.35690)
• Life Member in Computer Society of India(CSI) (No.01061101)
• Senior Member in International Association of Computer Science and Information Technology(IACSIT)
• Senior Member in International Association of Engineers(IEANG) (No.123900)
• Member in the Society of Digital Information and Wireless Communications (SDIWC) (No.568)
• Member in Computer Science Teachers Association(No.0027059)

20. Book (Edited and Written):

a. Books

SlNo.	Title	Publisher	National/International	Year & Place	ISBN No.
1.	Object Oriented Analysis and Design	Knowledge curve	National	2016 & Chennai	9789384389055
2.	Computer Networks	Knowledge curve	National	2016 & Chennai	97893843890709
3.	Mobile Computing	Knowledge curve	National	2016 & Chennai	97893843890602

b. Chapters in Edited Books/ Reference Books such as encyclopedias

Sl. No	Title of the Chapter	Title of the Book	Publisher	National/ International	Year	ISBN No/DOI.
1.	Trust based authentication technique for cluster based vehicular ad hoc networks (VANET)	Wireless Networks	Springer	International	2018	Online ISSN 1572-8196
2	Analysis on Optimization of Energy Consumption in Mobile Ad Hoc Networks	Intelligent Computing, Networking, and Informatics	Springer	International	2013	Online ISBN 978-81-322-1665-0
3	Multi-Modal Biometric Approach to Enable High Security in Mobile Adhoc Network	Proceedings of International Conference on Advances in Computing, Communications and Informatics	ACM New York, NY, USA	International	2012	978-1-4503-1196-0
4	An Efficient and Secure Key Agreement Scheme Using Physiological Signals in Body Area Networks	Proceedings of International Conference on Advances in Computing, Communications and Informatics	ACM New York, USA	International	2012	978-1-4503-1196-0

5	Survey on Key Pre Distribution for Security in Wireless Sensor Networks	Advances in Computer Science and Information Technology. Networks and Communications	Springer	International	2012	OnlineISBN 978-3-642-27299-8
6	Secure Routing using quantum Cryptography	Global Trends in Computing and Communication Systems	Springer	International	2011	Online ISBN978-3-642-29219-4
7	Data Security in Free Roaming Mobile agents	Advances in Network Security and Applications	Springer	International	2011	Online ISBN 978-3-642-22540-6
8	Associativity Based Mobility-Adaptive K-Clustering in Mobile Ad-hoc Networks	Proceedings of the 7th international conference on Intelligent Information Technology	Springer	International	2004	ISBN: 3-540-24126-4 978-3-540-24126-3
9	Implementing Urban Surveillance Systems in Smart Cities by Automated Object Detection Using Convolution Neural Network	Advances in Electronics, Communication and Computing,2021		Springer	International	2021	DOI https://doi.org/10.1007/978-981-15-8752-8
10	Review of Classifiers Used for Identification and Classification of Plant Leaf Diseases	Algorithms for Intelligent Systems Applications of Artificial Intelligence in Engineering, 2021,	Springer	International	2021	DOI: https://doi.org/10.1007/978-981-33-4604-8_36
11	Semantic-Based Duplicate Web Page Detection	Advances in Systems, Control and Automations	Publisher: Springer Singapore	International	2021	DOI: https://doi.org/10.1007/978-981-15-8685-9_56
12	A survey on security and privacy in social network	Computational Vision and Bio-Inspired Computing	Springer	International	2021	DOI:10.1007/978-981-16-9573-5_58

21. List of Publication in the Recognized Journals (last five years):

- Sasikumar, S. Sundar, B. Jayakumar, C. (2022), Modeling And Simulation Of A Novel Secure Quantum Key Distribution (SQKD) For Ensuring Data Security In Cloud Environment, *Simulation Modelling Practice And Theory*, 121, DOI::https://doi.org/10.1016/j.simpat.2022.102651, Impact factor.4.19
- Sasikumar, S. Sundar, B. Jayakumar, C. (2022), Enhanced Cloud Security Model Using QKDP (ECSM-QKDP) For Advanced Data Security Over Cloud, *Quantum Information Processing*, 21(3),115-122. DOI: https://doi.org/10.1007/s11128-022-03452-6, Impact Factor.1.965
- Ganesan Gangadevi & Chinnappan Jayakumar(2022), Hybridization Of Resneth YOLO Classifier For Automated Paddy Leaf Disease Recognition: An Optimized Model, *Journal Of Field Robotics*, 39(7), 1087-1109, DOI:https://doi.org/10.1002/rob.22089. Impact Factor - 3.767
- Sivashankari, S. & Jayakumar, C. (2022), Deep Learning Based Short Term Load Forecasting With Hybrid Feature Selection, *Electric Power Systems Research*, 210,1080-1088, DOI: https://doi.org/10.1016/j.epsr.2022.108065. Impact Factor.3.818
- Srividhya Lakshmi, R. & Jayakumar, C. (2022), Recognet-LSTM+CNN: A Hybrid Network With Attention Mechanism For Aspect Categorization And Sentiment Classification, *Journal Of Intelligent Information Systems*, 58, 379-404, DOI:https://doi.org/10.1007/s10844-021-00692-3. Impact Factor. 2.504
- Usama Abdur Rahman, Jayakumar C.(2021), Security Enhanced Optimal Trajectory Selection For Mobile Sink Using Reinforcement Learning, *Journal Of Intelligent And Fuzzy Systems*, 42(6), 6145-6157, DOI:10.3233/JIFS-212557. Impact Factor. 1.737
- Subbiah, S.S.& Chinnappan, J. (2021), Opportunities And Challenges Of Feature Selection Methods For High Dimensional Data: A Review, *Ingénierie des Systèmes d'Information*, 26(1), 67-77, DOI: https://doi.org/10.18280/isi.260107. Impact Factor. 0.579
- Siva Sankari Subbiah & Jayakumar Chinnappan(2020), An Improved Short Term Load Forecasting with Ranker Based Feature Selection Technique, *Journal of Intelligent & Fuzzy Systems,* 39(5), 6783-6800, DOI: 10.3233/JIFS-191568. Impact Factor: 1.851
- Santha Sheela A.C and Jayakumar C. (2019), Efficient Semantic Based Web Page Duplicate Detection Using SWP-RMA, *MitteilungenKlosterneuburg*, 69(2). Impact factor: 0.26
- Subbiah, S. S. and Chinnappan, J. (2020). A Review of Short Term Load Forecasting using Deep Learning, *International Journal on Emerging Technologies*, 2,378–384, Impact factor: 1.546
- Jancy and Jayakumar C. (2019), Sequence Statistical Code based data compression algorithm for wireless sensor network, *Wireless Personnel Communication*, Springer. 106(3), 971–985, DOI: https://doi.org/10.1007/s11277-019-06171-x. Impact factor: 1.563

- Janyshabu S L and Jayakumar C(2019), Comparison Of Multimodel Image Fusion In Brain Tumor Detection By ABC Optimization And Genetic Algorithm, *Journal Of Advance Research In Dynamical And Control Systems*, 11(2),308-317. Impact Factor:0.13
- S.L. Jany Shabu, C Jayakumar(2018), Multimodal Image Fusion And Bee Colony Optimization For Brain Tumor Detection, *ARPN Journal of Engineering and Applied Sciences*, 13(8),2899-2904, Impact factor: 0.238
- Jancy and Jayakumar C (2019), Sequence Statistical Code Based Data Compression Model Using Genetic Algorithm For Wireless Sensor Network, *Journal Of Engineering And Applied Science*, 14(3), 831-836, DOI:10.3923/jeasci.2019.831.836. Impact Factor. 0.18
- Janyshabu SL and Jayakumar C (2019), Intelligent optimization techniques based multimodal image fusion for brain tumor detection, *Research Journal Of Pharmaceutical, Biological And Chemical Sciences*, 10(1), 2149-2154. Impact Factor. 0.35
- Shabu, S.L.J. Jayakumar, C. Christy, A. Naveena, P. (2019), Low Volume Brain Tumor Extraction, *Journal of Computational and Theoretical Nanoscience*, 16(8), 3270-3275. Impact Factor. 0.53

22. Any Other Relevant Information
Patent Published

Sl. No	Title & Applicants Details of Patent	Application No. and Year of published
1	Trust Aware Replica Detection Using Localization And Unique Identity In Wireless Sensor Networks Applicants: T.P.Rani and Dr Jayakumar C	201841002060 (Published on 16/11/2018) Examiner report received and reply given on 28/03/2022
2	Leaf Diseases And Infection Prediction Of Levels In Combination With Process Identity Using Deep Learnings Techniques Applicants:1.Gangadevi Ganesan, 2 . C Jayakumar 3. R. Subhashini, 4. G. Anitha 5. P.N. Periyasamy, 6. Rajesh Kumar K	202241016913 (Published on 15/04/2022)

- Worked as Research Associate under the University Grant Commission COSIST Programme in Department of Computer Science and Engineering, Anna University Chennai for the period 2002-05.
- Doctoral Committee Member in Anna University Chennai, Sathyabama University, VIT, Dr. M.G.R University and SRM university.

AICTE Sponsored Staff Development Program Conducted (Rs 16.4 Lakhs)

- Received Grant 2.4 Lakhs from AICTE and conducted Staff Development Programme on "Programming Paradigms at Department of Computer Science and Engineering, RMK Engineering College, Kavaraipettai during the year 2012.
- Received Grant 7 Lakhs from AICTE and conducted Staff Development Programme on "Theory of Computation" at Department of Computer Science and Engineering, Easwari Engineering College, Chennai during the year 2010.
- Received Grant 7 Lakhs from AICTE and conducted Staff Development Programme on "Artificial Intelligence" at Department of Computer Science and Engineering, Easwari Engineering College, Chennai during the year 2010.

Indian Overseas Bank and ISTE Sponsored National Workshop Conducted
- Received Rs 0.2 Lakhs from Indian Overseas Bank and conducted National Workshop on Ubiquitous Computing, at RMK engineering College, Kavaraipettai during the year 2012.

Intramural Fund
Received Intramural Fund Rs 8000 for the project Personal Safety Alert System using Machine Learning from Sri Venkateswara College of Engineering, Pennalur

Total Number of Publication Publications(Since 2005)
Total: 212
- 111 Papers published in International Journals
- 1   Papers published in National Journal
- 64 Papers published in International Conference Proceedings
- 37 Papers published in National Conference Proceedings

Important ID's
Google scholar ID
https://scholar.google.co.in/citations?user=wLow-PwAAAAJ&hl=en
Orchid ID
https://orcid.org/0000-0003-4419-9499
Researcher ID
w-2345-2018
scopus ID
https://www.scopus.com/authid/detail.uri?authorId=15725814600

Awards and Honors
- Won The Third Prize in Reading Competition for Non-Hindi Teaching Staff under The Hindi Diwas And Pakhwada eve On September 19th 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Received Reviewer certificate from International Journal of communication systems on 23 -2-2021.
- Best faculty Award for the year 2013 by Cognizant Technology Solutions
- Received NPTEL Elite certificate for the subject Object Oriented Analysis and design in the year 2017

- Received appreciation certificate from PALS(IIT Madras Alumini initiative) for the best student coordination at Sri venkateswara College of Engineering for the year 2018-19, 2019-2020.
- Cash Award and Certificate received for 100% Result produced for the academic year 1997-08, 2001-02, 2007-08, 2008-09 and 2012-13, 2013-14, 2016-17 2017-18, 2018-19,2019-20,
- 100- Top Engineer for the year 2009 published in Marq Who's who in the world.
- Received Appreciation certificate for mentor in "SMART India Hackathon 2017" organized by Ministry of Earth science , Govt. of India.
- Received Appreciation certificate for mentor the projects title" Integrated multisensor navigation system for the physically impaired with automatic 3D-Alignment and real time path planning at SVCE Research Day 2017.
- Reviewer certificate from International Journal of Communication System.
- Received Appreciation certificate for mentor the projects titile "Smart shopping using moibile phone" at SVCE Research Day 2017.
- Received Laptops & other Compliments from Infosys for effective coordination of Infosys Campus Connect program at Easwari Engineering College, Chennai, India
- Received Certificate of Appreciation from Apollo Hospital for Blood Donation in September 2008.

National Conference / Workshop/ Symposium Conducted
- Convenor for the Two-Day National Conference on Youth Advanced Computational Convergence (YACC-2023) conducted on 21 March 2023 - Dept of Computer Science(AI&Ml, Cyber Security and Data Science) Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur
- Coordinated The Program Launch Of "Yuva"- Ai Based Chabot In RGNIYD. Honourable Director Of RGNIYD, Prof.Sibnath Deb Has Launched "Yuva" For The RGNIYD Website In The Presence Of Respected Hods, Faculty Members, And Students On February 7, 2023
- Coordinator for The Webinar On Bio-Inspired Computing On February 17, 2023 In The Department Of Cs (Ai&Ml) Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur. Resource Persons For The Webinar Are: Dr. Basant Kumar Tiwary, Professor, Department Of Bioinformatics, Pondicherry University. Pondicherry, Dr. Karmel A., Associate Professor (Senior), VIT Chennai.
- Coordinated The IQAC Lecture Program "Pedagogy Approaches For Learning", ON February 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Coordinator for "Quiz" & "Poster" Competition Towards National Youth Day 2023 On 11th & 12th January, 2023 Jointly With Department Of Cs(Data Science) , Department Of CS(Cyber Security) And Department Of Mathematics At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Coordinator for Online Lecture "Artificial intelligence can make lndia Leader in the World" organized on August 13, 2022 Under the AZADI KA AMRIT

MAHOTSAV 2022(AKAM 2022) at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.

- Conducted Two-Day Workshop Invitation On "Application Of Artificial Intelligence In Everyday Life" On December 12th And 13th 2022 at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur. Chief Guest: Dr B Muthukumaran, Vice Precident , HTC Group.
- Conducted Webinar on Role of AI And Ml on Cyberworld on 9th June 2020 in associated with HTC-ITMR & SVCE
- Conducted two day National workshop on Data Analytics using R at Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur.
- Convener for National Workshop on "Data Analysis and Business Intelligence" NWDABI'16 at Sri Venkateswara College of Engineering, Pennalur, Sriperumbudu in associated with CTS.
- Coordinator for National Workshop on Big Data : Streaming Analytics and Applications, at Sri Venkateswara College of Engineering on March 25,2017 in associated with Aspire system(India) Pvt. Limited Chennai.
- Coordinator for 5th National Conference on Research Issues in Computer Science & Engineering, at RMK Engineering College, Kavaraipettai, 2014 in associated with CSI & ISTE.
- Co-Coordinator for 3rd National Conference on Research Issues in Computer Science & Engineering, at RMK Engineering College, Kavaraipettai, 2012 in associated with ISTE.
- Coordinator for National Workshop on Ubiquitous Computing, at RMK engineering College, Kavaraipettai, 2012 in associated with Indian Overseas Bank and ISTE.
- Coordinator for Symposium Cynase'11 at RMK Engineering college
- Conducted a Seminar on "Healthcare and Environment Component" in associate with Intrinsic Solution, Bangalore at Easwari Engineering College in 2009.
- Conducted a Seminar on "Research Trend in Network Security" in associate with Wipro Technologies at Easwari Engineering College in 2009.
- Coordinator for the "Road Show" Program by Infosys at Easwari Engineering College Chennai for the period 2007-08 & 2008-09.
- Convener for National Workshop on Sensor Networks at Easwari Engineering College in 2007 in associated with Infosys.
- Conducted a "Webminar" in associated with Infosys at Easwari Engineering College Chennai for the academic period 2008-09.
- Conduct National Level PC Assembly Competition at Easwari Engineering College in 2007 in associated with IMC Terminus.
- Advisor for Symposium at KCG College of technology in 2006

Chaired the session at International Conferences
- Jury for the International Virtual Conference on Research Innovation in Science, Engineering and Technology(IVCRISET 2021), 1st march and 2nd march 2021, Kings Engineering college, Chennai

- Chair the session for the International Intellectual convergence on advances in Science and Engineering(IIASE -2017) under the aegis of Aalim Muhammed Salegh College of Engineering, Chennai
- Chair the session at IEEE International Conference on Computing and Communication Technologies (ICCCT '15), held at Sairam Engineering college, Chennai
- Chair the session at Sixth IEEE International Conference on Advanced Computing (ICoAC'14) held at MIT, Anna University, Chennai.
- Chaired a session at the International Conference on Communication, Computing and Information Technology (ICCCMIT), M.O.P Vaishnav College for Women, Chennai, 2014
- Chair the session at Fifth International Conference on Advanced Computing (ICoAC'13) held at MIT, Anna University, Chennai.
- Chaired a session at International Conference on Information, Systems and Computing (ICISC'13), Chennai, India,
- Chaired a session at the International Conference on Communication, Computing and Information Technology (ICCCMIT), M.O.P Vaishnav College for Women, Chennai, 2012.
- Session Chair in 2nd International Conference on Information and Network Technology (ICINT 2012) Chennai, India, 2012.
- Session Chair for International Conference on Information and Network Technology (ICINT 2011), Chennai, India, 2012.

Chaired the session at National Conferences and Workshops
- Chair the Session at Two-Day National Conference on Youth Advanced Computational Convergence (YACC-2023) conducted on 21 March 2023 - Dept of Computer Science(AI&Ml, Cyber Security and Data Science) Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur
- Chair the session at 6th national Conference on Research Issues in Computer Science & Engineering, at RMK engineering College, Kavaraipettai, 09-03-2015.
- Chair the session at 4th national Conference on Information and Communication Engineering, 24th February, 2014, RMK Engineering College.
- Chair the session for Third National Conference on Innovation in Intelligence and Computing technologies 2013, Organized by Easwari Engineering College in associated with TCS Chennai.
- Chaired a session at Third National Conference on "Innovation in Intelligence and Computing Technologies, at Vel Tech Multi Tech Engineering College, Chennai, 2013.
- Chaired a session at National conference on Computer Communication and Networking (NCCCN' 12) at Shree Motilal Kanhaiyalal Fomra Institute of Technology, Chennai in 2012
- Co-Chair for the National Conference on Cloud Computing and Network Security at RMK engineering College, Kavaraipettai, 2012.
- Co-Convener for National Conference on Research Issues in Computer Science & Engineering, at RMK engineering College, Kavaraipettai, 2012.

- Chief Guest for National Conference on Innovation in Computers at Aksheyaa College of Engineering, Kancheepuram in 2011.
- Guest of Honor for National Seminar on Data Mining and warehousing at Guru Shree Shantivijai Jain College for Woman in 2011.
- Chaired a session at Fourth National Conference on Digital Convergence (FNCDC 2011), at RMK Engineering College, Chennai in 2011.
- Chaired a session at National conference on Role of Cryptography in Defence, Vellammal Engineering College, Chennai in 2011.
- Chaired a session at National conference on Current trends in Computing Technologies, Sri Muthukumaran Institute of technology, Chennai in 2011.(Find the 2nd page)
- Session Chair at First national Conference on Innovation in intelligence and Computing Technologies(NCIICT) at Easwari Engineering College in 2011.
- Chaired a session at National conference on Emerging trends in Computer Technology at SRM University in 2010.
- Chaired a session at National conference on Information, Communication Networking (NCICN) at Easwari Engineering College in 2010.
- Chaired a session at National conference on Research Trends at SRM University in 2008.

Lecture Delivered/Keynote speaker at AICTE Staff Development Programs/Seminars/Workshops
- Delivered The Lecture "Semantic Web" In One Week International Faculty Development Programme On "Role Of Machine Intelligence For Information Retrieval (RMIIR)" Organized By Department Of Computer Science And Engineering At GMR Institute Of Technology, Rajam, India; Held On 09-07-2021.
- Delivered The Lecture At FDP On Research Skill Development Entitled "Semantic Web" On 22.8.2020 Through Online Pedagogy, Sathyabama University Chennai.
- Delivered The Technical Session ISTE-SRM Short Term Training Program On Mobile Pervasive Computing At Jerusalem College Of Engineering Chennai On 23/06/2014.
- Delivered a lecture in the topic "Recent trends in Software Development Approaches" on 8th May 2013 for TEQIP II Sponsored Short term training programme on "Research Issues and Challenges in Software Engineering in Pondicherry Engineering College, Puducherry, India.
- Delivered a lecture in the topic "Proxies, Genesis & JVM, Synchronization, executors in AICTE Sponsored Staff Development Programme on "Programming Paradigms at Department of Computer Science and Engineering, RMK Engineering College, Kavaraipettai during the year 2012.
- Delivered a lecture on Human – Machine interface & Biometrics, and Operating Systems at Anna University Sponsored Staff Development Program on Mobile and Pervasive computing at Easwari Engineering College in the year 2012.

- Keynote speaker for National Conference on Networking and Computing technologies, Veltech Multitech Engineering college, Chennai, 2012.
- Delivered a lecture on "Mobile Agents for Communication in Mobile Adhoc Network in AICTE Sponsored Staff Development Program on Multi Agent System for Domains at RMK Engineering College, Chennai in 2011.
- Delivered a lecture at Two day National Seminar on Service Oriented Architecture at RMK Engineering College, Chennai in July 2011.
- Delivered the lecture on Wireless Adhoc Network at National Workshop on Wireless at Meenakshi Engineering College, Chennai, India in 2010.
- Delivered a Special Lecture on Pervasive computing at SRM University, Chennai, India for the year 2009.
- Delivered a Session at Orientation Program for the Students at Easwari Engineering College in the year 2007-08 & 2008-09.
- Delivered a Special Lecture on Adhoc Network at Easwari Engineering College for the year 2008.
- Delivered a Session on Introduction to Sensor Networks in the National Workshop on sensor Networks at Easwari engineering College, Chennai, India 2007.
- Delivered Guest Lecture at SMK Fomra Institute Of Technology Chennai, India
- Delivered a Special Lecture on Software engineering at KCG College of technology, Chennai, India for the year 2006.

International / National Conference Participated
- Present a paper " Brain Tumour Classification with MRI Brain image using level 2 - GLCM features and sparse representation based segmentation" at 3rd International conference on Intelligent sustainable systems(ICISS 2020), Decemeber 3-5, 2020 by SCAD Institute of technology at palladam , India
- Presented a paper at "Virtual International Conference Smart Materials & Emerging Technologies for Industry 4.0", Personnel safety Alert system using Machine learning, 16th& 17thOctober, 2020, Sri Venkateswara College of Engineering, Sriperumbudhur.
- Presented a paper at 1st Global conference on Artificial Intelligence and Applications, September 8-10 2020,University of Engineering and Management, Jaipur
- Presented a paper at International Conference on Recent Trends in Advanced Computing Artificial Intelligence and Technology (AIT), 2020 ICRTAC – AIT 2020 ,Vellore Institute of Technology, Chennai, Tamilnadu, India on 17th & 18th December 2020.Springer.
- Presented a paper at 2nd International conference on recent trends in science and Technology, GKM Engineering College in associated with TECHOWN Chennai, March 20th 2019.
- Presented a paper at 5th International Conference on science technology engineering & Mathematics, Jeppiar Engineering College, Chennai, March 14th and 15th 2019.

- Participated in International Conference on Inventive Computation Technologies (ICICT'16) Coimbatore.
- Participated in International conference on Recent research in Engineering (ICRRE'15) Chennai.
- Presented a paper at International conference on Competitiveness & Innovativeness in Engineering, Management & Information Technology (ICCIEMI-2012), 2012.
- Participated in the International conference on Accreditation (ICA 2011), Chennai in 2011.
- Presented a paper in Second International Conference on Bio- medical Informatics and Signal Processing, Chennai, India, in 2009.
- Participated in National Conference on Advanced Computing and IT Application, Coimbatore (NCACITA-2013), 2013.
- Participated in Third National Conference on Innovation in Intelligence and Computing technologies 2013, Organized by Easwari Engineering College in associated with TCS Chennai.
- Participated in the Conference "Connect'08" conducted by Government of Tamilnadu in associated with IT industries at Chennai Trade Centre, Chennai in 2008.
- Participated in the inaugural function of Infosys Campus Connect Technical training for the faculty member of Easwari Engineering College at Infosys Mahindra city, Chennai in 2008.
- Presented a paper in National Conference Proceedings of National Conference on Advances in Mobile Computing, Chennai in 2008.
- Presented a paper in National Conference on High Performance Computing at Chennai in 2008.
- Participated in the National conference on Research Trends at SRM University Chennai in 2008.
- Presented a paper in National Conference on Information and Management at Madurai, in 2008.
- Presented a paper in Seventh International Conference on Information Technology at Hyderabad, India in 2004.
- Present in Twelfth International Conference on Advanced Computing and Communication, ADCOM2004, Ahmedabad, India, in 2004.

Online course/Refresher Courses/Webinar attended/Delivered
- Attended FDP on "Virtual Lab" held from 14-sep-2020 to 18-sep-2020 as part of Pals VLabS 2020-21 initiavie with NIT surathakal.
- Delivered the Lecture at FDP on Research skill development Entitled "Semantic web" on 22.8.2020 through online pedagogy conducted by Sathyabama University.
- Participated in Two week online Refresher Course/FDP on Recent trend in information, Computing, communication and teaching methodology competency conducted by Sairam Engg College during 04th to 17th May 2020.

- Completed Coursera course (University of Michigan) "Programming for Everybody (Getting Started with Python), 7 weeks, July 2020
- Completed Coursera course (Johns Hopkins University) "The Data Scientist's ToolBox", 4 weeks, June 2020
- Attended Webinar on "NAAC Accreditation Management System demo by inPods on 20th May 2020
- Attended Java Training on 22nd May 2020 conducted by IIT Bombay & SJCE
- Attended online Python 3.4.3 Training on 23rd May 2020 conducted by IIT Bombay & SJCE
- Attended Webinar on "Deep Learning" by Jerusalem Engineering College on 21st May 2020
- Completed 6 month course on Deep learning conducted by One Fourthlab of IIT madras on August 2020.
- Completed 6 month course on Data Science conducted by One Fourthlab of IIT madras on 6th December 2020.

National Workshop/Symposium/Staff Development Program Participated

- Attended The Capacity Building Lecture On "Stylistics And The Literary Canon: Rhetoric And Prosody", On The 21st Of July 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Official Language Implementation Committee Meeting On February 8, 2022, at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Capacity Building Commissions Meeting On 12.08.2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Participated Cultural Extravaganza By Indigenous Tribal Artistes From Tribal Research Centre, Nilgiris Organized By The Department Of Sociology And Department Of English In Collaboration With The Tribal Research Centre, Nilgiris District, Department Of Tribal Welfare, Government Of Tamil Nadu Between 08-10 August 2022 Under Celebration Of Azadi Ka Amrit Mahotsav at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attending Hindi Praveen Course at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended 16th Library Purchase Committee Meeting Held On January 24, 2023 at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur..
- Attended The Special Lecture" "Promoting Intergenerational Bonding And Managing Conflicts" In Commemoration Of The International Day Of Youth - 2022 On 12th August 2022 Organized By The Centre For National And International Collaboration (CNIC) At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended Comprehensive Anna University Phd Viva-Voce Dc Meeting - Mr.P. Thamizhikkavi on Aug 24, 2022 Through online.

- Attended The Irins Demonstration On 24.08.2022 At 04.30 Pm At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Special Lecture On The Topic 'Conflict Resolution And Peace Building: Gandhian Perspectives And Practices', Delivered By Prof. William Baskaran, Dept. Of Gandhian Thought And Peace Science, Gandhigram Rural Institute, Tamil Nadu On 30th September 2022 Online , Organized By The Department Of Sociology & Department Of Social Work, Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Hindi Diwas And Pakhwada Inaguaration Function On September 19th 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Webinar Organised By UGC On The Prevention Of Cybercrime And Adaptation Of Cyber Hygiene To Celebrate Cyber Jagrookta Diwas On October 6, 2022.
- Attended The Celebration Of National Unity Day on October 31, 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Vigilance Awareness Week At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur On November 4, 2012. Resource Person: Smt. R. Premi, Additional Commissioner Of Income Tax Tds, Chennai.
- Attended The Online Invited Technical Talk - "Towards Applying Brain-Computer Interface In User Research And Interactive Systems" On 28 November, 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Sensitization Programme On Sexual Harassment Of Women At Workplace (Prevention, Prohibition And Redressal) On 29th November 2022 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Inaugural Function Of Two-Day Workshop On Academic Writing Between The 15th And 16th Of December 2022 Organized By The Department Of English At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Orientation On Gandhi Fellowship Organized By Placement Cell Of Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended Ph.D Viva Voce As Viva Expert For Research Scholar Ms.G.Vasukidevi , Reg No. 1424499293, On 22.12.22 In Online Mode.
- Attended The Inauguration Of RGNIYD Main Entrance Gate, Staff Quarters And Computer Laboratory By Shri. Anurag Singh Thakur, Honorable Minister For Youth Affairs And Sports, Information And Broadcasting, Government Of India On 21.12.2022, 02.00 Pm Through Virtual Mode.
- Attended The Webinar On Ramanujan's Contribution Towards Day To Day Life on 22.12.2022, Organized By Department Of Mathematics In Association With The Department Of Computer Science (Data Science) for Celebrating National Mathematics Day -2022.

- Attended The C-DAC Training Program For Bridge Course On The Theme Of "Cloud Computing" On 3rd January 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Cultural Programme Organized By The Department Of Sociology And Social Work, Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur In Commemoration Of The National Youth Day 2023 On 11.01.2023.
- Attended The Inaugural Function Of A Two-Day Workshop On Matlab For Beginners Organised By The Department Of Mathematics And The Department Of Computer Science (Data Science) during the period January 24 And 25, 2023, At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended Inaugural Function Of A Five-Day Workshop On Blockchain Technology Organized By The Department Of Computer Science And Cyber Security At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur during the year 2023.
- Attended Special Lecture On 'Gender And Intersectional Inequality', Delivered By Dr. S. Anandhi, Professor, MIDS, Chennai, Organized By Department Of Sociology On 7th February 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Celebration Of Annual Sports Meet-2023 Program On 17th February 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Demonstration Program On Augmented Reality & Virtual Reality Organized By The Department Of Computer Science (Cyber Security) On 9th February 2023 At Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Attended The Special Lecture "Overview Of National Education Policy 2020 With Special Reference To Its Importance In Higher Education" On 28.02.2023, Organized By Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur IQAC Cell. Resource Person : Prof.Dinesh Prasad Sakiani, Director, National Council Of Educational Research And Training (NCERT) - New Delhi.
- Presented The Department Presentation Along With Faculty To The Academic And Administrative Audit (AAA) team during February 25 &26, 2023 at Rajiv Gandhi National Institute Of Youth Development (RGNIYD), Sriperumbudur.
- Participated 15 days Staff development program on "Data science and Exploratory data analysis with R and python" at Sairam Engineering College during 7th June 2019 to 20th June 2019.
- Participated five days short training on "Transition from Machine learning -> Deep learning: text image and speech processing" during 12.11.17 to 17.12.17.at SVCE Sriperumbudur.
- Participated five days short term course on "Software Engineering" at NIT Trichy during 27.11.17 to 1.12.17.
- Participated 'Workshop on "Google App Engine", 28th July 2017 at SVCE Sriperumbudur.

- Participated TNSCST sponsored 2 days workshop on "Change your life with IoT-The Revolution of Internet" on August 10th and 11th 2017 at SVCE sriperumbudur.
- Participated Hands-on workshop on "online webhosting and development" on 10-10-2017 at SVCE sriperumbudur.
- Participated Hands-on workshop on "Setting up a private cloud using opennebulla" on 22-08-2017 at SVCE sriperumbudur.
- Participated Faculty development programme on "Expectations and future of IT Industry" organized by Cognizant technology Solutions Chennai on 22/10/2016.
- Participated Workshop on Data Analysis and Business Intelligence organized by SVCE in associated with Cognizant technology Solutions Chennai from 05/12/2016 to 09/12/2016.
- AICTE Sponsored Staff Development Programme on Low Power Design Techniques for ASIC/Soc CHIP development at Department of Electrical and Electronics Engineering, RMD Engineering College, Kavaraiapettai from 27th November 2013 to 10th December 2013.
- Participated Workshop on "NBA- New outcome Based Accreditation", organized by "National Board of Accreditation" at RMK engineering College (NBA Nodal centre), Kavaraipettai, 2013.
- Participated National workshop on Networking by Sansbound Chennai, 2013.
- Participated National Workshop on Cyber crime and Computer forensics at RMK engineering College, Kavaraipettai, 2012.
- Participated Teacher's Conclave for HOD's and Professor at Cognizant, Siruseri Chennai in 2012.
- Participated Two Days National Workshop on Mobile Computing at RMK Engineering College, Kavaraipettai, in 2011.
- Participated Two Days National Workshop on Cyber Security at RMK Engineering College, Kavaraipettai, in 2011.
- Participated Two Days Faculty Development Program on "Bridge IT India" by Cognizant at IT Park Siruseri Chennai in 2011.
- Participated One Day Faculty Development Program at TCS Siruseri IT Park in 2011.
- Participated AICTE Sponsored Staff Development Programme on "Programming Paradigms at Department of Computer Science and Engineering, RMK Engineering College, Kavaraipettai from 16-4-2012 to 03-05-2012.
- Participated AICTE Sponsored Staff Development Programme on "Theory of Computation" at Department of Computer Science and Engineering, Easwari Engineering College, Chennai during the year 2010.
- Participated AICTE Sponsored Staff Development Programme on "Artificial Intelligence" at Department of Computer Science and Engineering, Easwari Engineering College, Chennai during the year 2010.
- Participated National Workshop on "How to write Research Proposal "at RMK Engineering College in 2010.
- Participated National Workshop "Insight" conducted by Infosys Development centre, for HOD's of Top Colleges at Chennai in September 2009.

- Participated in the e-Learning workshop by IT company classle at Easwari Engineering College for the year 2009.
- Participated in the Science Exhibition at Easwari Engineering College for the year 2007.

National Seminar Participated
- Participated the Seminar on Cloud Computing by Live wire India on 17th October 2016.
- Participating the webminar by Atharva Lifesciences, 2013.
- Participated in the Seminar on "Data Warehousing and Business Intelligence by Director of Kaizentric Technologies Pvt Ltd at Easwari Engineering College for the year 2009.
- Participated in the Seminar conducted by ORACLE Corporation at Hotel Le Royal meridian, Chennai in 2008.
- Participated in the Seminar conducted by Hewlett-Packard (HP) at Hotel Green Park, Chennai in 2008.
- Participated in the "Electronic Product exhibition" at Chennai trade centre in 2008 for upgrade the Research & development activity at Easwari Engineering College, Chennai.
- Participated in the Seminar conducted by IMS Learning Resources Private limited, Chennai in March 2007.
- Participated in the "Cisco Education day" conducted by Cisco System and Anna University Chennai at Anna University Chennai in 2007.
- Participated in the Quality Management System & Audit training at Easwari Engineering College, Chennai in November 2007.

Program Committee/Review Committee/ Technical Committee Member at International Conferences
- Organizing Committee Member for AICTE sponsored International Conference on "Smart Materials & Emerging Technologies for Industry 4.0, 16th and 17th October 2020.
- Reviewer for the International Conference ICECONF-2023 Orgnaized by St. Joseph's Institute of Technology, Chennai.
- Review committee member in 2nd International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2022) organized by Shree Venkateshwara Hi-Tech Engineering College, Erode, India.
- Program committee member "First International Conference on Software Security (ICSS 2015)"- July 25~26, 2015, Chennai, India.
- Program Comitee Member in Sixth International Conference on Computer Science and Information Technology (CCSIT - 2016), Jan2-3 2016, Zurich, Swicherland
- Program committee member of IEEE International Conference on technological innovations in ICT for Agriculture and Rural Development" in July 2015,Chennai.
- Program committee member of "Third International Conference on Information Technology in Education (ICITE 2015)" held in Zurich, Switzerland.

- Program committee member / Reviewer of "International Conference on Electrical Engineering (ELEG 2015) held in June 27~28, 2015, Bangalore, India
- Program Commitee Member in IEEE International Conference on Technological Innovations of Agriculture and Rural Development (TIAR) is organized by Department of Information Technology, Easwari Engineering College.
- Program Commitee Member in Program Commitee Member in First International Conference on Artificial Intelligence and Applications(AIApp 2014), Bangalore, India.
- Program Commitee Member in gram committee member of First Internation conference on Cybernatics and informatics(CYBI 2014), Bangalaore, India.
- Program committee member of Third International Conference on Software Engineering and Applications (SEAS 2014)" , Dubai.
- Program committee member of "Fifth International Conference on VLSI (VLSI 2014)" held in Chennai, India.
- Program committee member / Reviewer of "The Sixth International Conference on Wireless, Mobile Network & Applications (WiMoA 2014)" held in Chennai, India.
- Program committee member / Reviewer of "The Fourth International Conference on peer-to-peer networks and Trust Management(P2PTM-2014)", Chennai, India.
- Program committee member / Reviewer of "Third International Conference on Mobile & Wireless Networks (MoWiN 2014) ", Pune, India.
- Program committee member "Fourth International Conference on Computational Science, Engineering and Information Technology (CCSEIT-2014)" ,Pune, India.
- Program committee member "The Sixth International Conference on Grid Computing (GridCom-2014), New Delhi, India.
- Program committee member / Reviewer of "Sixth International Conference on Wireless & Mobile Network (WIMO-2014)" held in Sydney, Australia.
- Program committee member "The Second International Conference of Information Technology, Control and Automation (ITCA-2014) " Zurich, Switzerland.
- Program committee member / Reviewer of "The Sixth International Conference on Grid Computing (NECO-2014)", Delhi, India.
- Technical Review Committee Member in International Conference on Information and Communication Technologies (ICICT - 14), PES Institute of Technology and Management, May 5th and 6th 2014., Shimoga, India.
- Technical Review Committee Member in International Conference on Information and Communication Technologies (ICICT - 14), Karnataka, India.
- Program Committee member for International Conference on Computer Science, Engineering and Applications(ICCSEA 2013), Spain.
- Program Committee member for World Congress on Computing and Communication Technologies (WCCCT'14), Trichy, India.
- Advisory committee member in National Conference On Emerging Trends In Information And Computer Technology (NCETICT-13) on June 8th & 9th 2013, at Kingston Engineering College, Chennai.

- Program Committee member for International Conference On Web & Semantic Technology (WeST-2013)
- Program Committee member in International Conference on IEEE World Congress on Computing and Communication Technologies, St Joseph College, Trichy, India.
- Technical Review Committee Member for International Conference On Green Computing, Communication And Conservation Of Energy (Icgce2013) , RMD engineering College, Kavaraipettai, 2013.
- Technical Review Committee Member in 7th International Conference on Intelligent Systems and Control (ISCO-2013), Coimbatore, India, 2013.
- Program Committee member in International Conference on Computer Science, Engineering & Applications (ICCSEA 2013), Newdelhi, 2013.
- Technical Committee Member in International Conference on Information, Systems and Computing (ICISC'1'3), Chennai, India, 2013.
- Technical Committee Member in International Conference on International Conference on Circuit, Power and Computing (ICCPCT'13).
- Program Commitee Member in The Fifth International Conference on Web & Semantic Technology (WeST-2013), chennai, 2013.
- Program Committee member in International Conference on Advances in Computing, Communication and Control– 2013, Mumbai, 2013.
- Program committee member "The Fourth International Conference on Networks & Communications (NETCOM 2012).
- Program Committee member for The Third International workshop on Ad Hoc, Sensor & Ubiquitous Computing (AUC-2012).
- Review Committee Member for International Conference on Communication, Computing and Information Technology (ICCCMIT), M.O.P Vaishnav College for Women, Chennai, TamilNadu, India 2012.
- Registration Committee Coordinator for International Conference on Advances in Computing , Communications and Informatics (ICACCI' 2012),
- Technical Committee Member for the International Conference on Computing, Electronics and Electrical Technologies (ICCEETS-2012).
- Program Committee Chair for International Conference on Advancements in Information Technology (ICAIT 2011).
- Program Committee Chair for International Conference on Electrical Engineering and Applications 2011 – ICEEA 2011, Chennai.

Program Committee/Technical Committee Member at National Conferences and Workshops

- Advisory committee member in National Conference on Computing & Security Technologies , 8th April, 2014 at Vellammal Engineering college, Chennai.
- Program Committee member for 4th National Conference on Research Issues in Computer Science & Engineering, at RMK Engineering College, Kavaraipettai, 2013.
- Technical Committee Member in Second National Conference in Recent Trends in Information Technology (NCRTIT'13), Chennai, 2013.

- Judge and Competition Coordinator in the paper presentation and Competition organized by RMK Engineering College in 2013.
- Program committee member of The Fourth International Conference on Networks & Communications (NETCOM 2012).
- Organizing Committee Member for National Workshop on Cyber crime and Computer forensics at RMK engineering College, Kavaraipettai, 2012.
- Judge for Student Project Competition at Vellammal Institute of Technology, Panchetti, Thiruvallur District for the year 2012.
- Technical Committee Member for National Conference on Innovation in Computers at Aksheyaa College of Engineering, Kancheepuram in 2011.
- Judge for IEEE Project Presentation for Department of Electronics and Communication Engineering at Easwari Engineering College for the year 2010.
- Judge for Paper Presentation for MCA department at Easwari Engineering College for the year 2008.
- Judge for Paper Presentation for ECE department at Easwari Engineering College for the year 2008.
- Judge for Paper Presentation conducted by CSI Student Chapter at Easwari Engineering College for the year 2008.
- Judge for Paper Presentation for SRIRAM Engineering College for he year 2005.

Reviewer/ Editorial board member/Advisory committee member in International Journal/Conference
Reviewer at International Jorunal
- Reviewer of The Journal Electric Power Systems Research
- Indonesian Journal Of Electrical Engineering And Computer Science.
- Oriental Journal of Computer Science and Technology
- Journal of Experimental & Theoretical Artificial Intelligence
- KSII Transactions on Internet and Information Systems
- Journal of Communications Software and Systems(JCOMSS)
- International Journal of Computational Intelligence Techniques
- Egyptian Informatics Journal-Elsiever
- International Journal of Innovative Science, Engineering and Technology
- Computer Journal
- Information Technology Research Journal
- International Journal of Network Security & Its Applications
- WSEAS Journal
- International Journal of Software Engineering & Applications
- International Journal on Soft Computing
- Artificial Intelligence and Applications (IJSCAI)
- Interscience Journal
- International Journal of Knowledge Engineering and Data Mining
- International Journal of Research in Advanced Technology in Engineering (IJRATE)
- Editorial board member of Innovare Academics Science
- Journal of Computer Applications
- Electrical & Computer Engineering: An International Journal (ECIJ)

- o The International Journal of Soft Computing, Mathematics and Control (IJSCMC)
- o Health Informatics - An International Journal (HIIJ)

Reviewer of International Conference

- Reviewer for International Conference on Wireless Communications Signal Processing and Networking(WiSPNET2021), 25 - 27 March 2021, SSN Engineering college, Chennai
- International Conference on Applied Control, Electrical and Electronics Engineering (CEEE 2015) held in June 27~28, 2015, Bangalore, India
- International Conference on Research Advancements in Engineering and Technology (ICRAET), May4,2015, Chennai.
- International Conference on Information and Communication Technologies (ICICT - 14), PES Institute of Technology and Management, May 5th and 6th 2014. , Shimoga, India
- Fourth International Conference On Web & Semantic Technology (WeST-2012).
- International Conference on Computer Science, Engineering and Applications (ICCSEA 2013), Spain.
- International Conference on Advances in Computing, Communications and Informatics (ICACCI-2013).
- 12th International Conference on Circuits, Systems, Electronics, Control & Signal Processing.
- Board Member of "The Open Information Systems Journal"
- IEEE Sponsored Conference "Students' Conference on Engineering and Systems (SCES-2012)", Motilal Nehru National Institute of Technology (MNNIT), Allahabad, Uttar Pradesh, India.
- International Conference On Pattern Recognition, Informatics And Medical Engineering (PRIME-2012).
- Fourth International Conference on Networks & Communications (NETCOM 2012).

Editorial Board Member

- o Asian Journal of Applied Research (AJAR) E- ISSN: 2395-1702, P-ISSN: 2395-0382
- o Advances in Engineering: an International Journal (ADEIJ)
- o International Journal of Antennas (JANT)
- ISO- Certified Professional.
- Coordinating with Placement department by visiting various company like Wipro, Sathyam, HCL, CTS, Inautix, and iGate for Campus Placement in various cities of India at Easwari Engineering College, Chennai.
- Received Sponsorship from Infosys and TCS and conducted National Workshop and Seminar at Easwari Engineering College, Chennai in the year 2007 & 2008.
- Experience in Handling ISO Internal and External Audit.
- Visited New Delhi, Bhuvaneshwar, Hyderabad, and Bangalore for Project presentation at AICTE & Research work presentation in the International Conferences.

- Visited Mysore to invite the Foreign delegates who participated in the Conference at Infosys Mysore for conducting Guest Lecture, Seminar at Easwari Engineering College, Chennai

Publication Details (Before 2019)

1. S.L. Jany Shabu, Jayakumar, C.(2017), Detection Of Brain Tumor By Image Fusion Using SVM Clasasifier, *Computer Engineering and Intelligent Systems,*8(7), 18-22. Impact Factor.1.825
2. L. Sujihelen, Jayakumar, C. And C.Senthilsingh (2018), SEC Approach For Detecting Node Replication Attack In Static Wireless Sensor Network, *Journal Of Electrical Engineering & Technology,*13(6),2447-2455, DOI:10.5370/JEET.2018.13.6.2447. Impact Factor.1.525
3. Jeyaselvi M , Jayakumar, C., (2018), Distributed Clone Attack Detection Algorithm Using Mobility Energy Prediction In Mobile Wireless Sensor Networks, *Sensor Letters*, 16(12), 965-972, DOI: https://Doi.Org/10.1166/Sl.2018.4054.
4. S.L. Jany Shabu, C Jayakumar(2018), Multimodal Image Fusion Using An Evolutionary Based Algorithm For Brain Tumor Detection , *Biomedical Research,*29(14), 2932-2937. Impact Factor.0.29
5. S.Jancy And C Jayakumar(2018), Pivot Variable Location-Based Clustering Algorithm For Reducing Dead Nodes In Wireless Sensor Networks, *Neural Computing And Applications*, 31,1467–1480, DOI: DOI:10.1007/s00521-018-3526-x. Impact Factor.4.12.
6. L. Sujihelen And C. Jayakumar (2018), Inclusive Elliptical Curve Cryptography (IECC) For Wireless Sensor Network Efficient Operations, *Wireless Personnel Communication*, 99,893–914, DOI: https://Doi.Org/10.1007/S11277-017-5157-4. Impact Factor: 1.20
7. R. Sugumar, A. Rengarajan & C. Jayakumar(2018), Trust Based Authentication Technique For Cluster Based Vehicular Ad Hoc Networks (VANET), *Wireless Networks*, 24(2),373–382, DOI:https://Doi.Org/10.1007/S11276-016-1336-6.Impact Factor: 1.981.
8. T.P.Rani And C.Jayakumar(2017), Unique Identity And Localization Based Replica Node Detection In Hierarchical Wireless Sensor Networks, *Computers And Electrical Engineering*, 64(148-162),DOI: https://Doi.Org/10.1016/J.Compeleceng.2017.08.010. Impactfactor:1.71
9. Jeyaselvi, M., Jayakumar, C.(2017), Enhanced Clone Detection Using Channel Response Information In Wireless Sensor Network, *Journal Of Computational And Theoretical Nanoscience,*14(9),4174-4182, DOI: https://doi.org/10.1166/jctn.2017.6713. Impactfactor:0.53
10. Nithya Muthukumaran, Jayakumar Chinnappan(2017), Flowagent: Software Defined Firewall Rule Generator For Network Intrusion Detection System, *International Journal Of Intelligent Engineering And Systems*, 10(3),299-306. DOI:10.22266/Ijies2017.0630.34. Impactfactor:1.46
11. R. Parimala And C. Jayakumar, Secure Multimodal Biometric Authentication System On Cloud – A Case Study And Analysis, *International Journal Of Control Theory And Applications*, 10(31), 31-40,

12. Nithya, S., Asha Jerlin, M., Jayakumar, C(2016), Survey Of Software Defined Network, *International Journal Of Pharmacy And Technology*, 8(4), 25944-25958

13. Asha Jerlin, M., Nithya, S., Oswald, C., Jayakumar, C.(2016), Layer Two Firewall In Software Defined Network, *International Journal Of Pharmacy And Technology*,8(4), 25365-25372.

14. M.Asha Jerlin, C Jayakumar(2016), Efe: Efficient Feature Extraction Algorithm For Dynamic Malware Analysis In Windows Executables Using API Call Sequence, *International Journal Of Pharmacy & Technology*,8(4),25373-25383.

15. M.Asha Jerlin, Nithya.S, C.Jayakumar(2016), A Case Study On Advanced Evasion Techniques, *International Journal Of Pharmacy & Technology*,8(4),26599-26608.

16. Arthi A And C Jayakumar(2016), Secure Multicast Tree Construction Using Bacterial Foraging Optimization(BFO) For MANET, *Circuits And Systems*, 7(13), 4155-4168, DOI: 10.4236/Cs.2016.713342. Impact Factor: 0.47

17. Seethalakshmi, J., Jayakumar, C.(2016), An Intrinsic Real-Time Multimodal Recognition System Using Deep Neural Networks, *Journal Of Theoretical And Applied Information Technology*, 84(2), 224-231. Impact Factor: 0.59

18. R.Parimala And C.Jayakumar(2015), Hybrid Cordic Trigonometric Vector Rotation Mode For Authenticating Ear And Finger Images, *International Journal Of Engineering And Technology*, 7, 651-660.

19. R.Parimala And C.Jayakumar(2015), Providing Authentication By Biometric Multimodel Framework For Cloud Computing, *International Journal Of Computer Science And Engineering And Technology*, 6(5),4507-4511. Impact Factor: 0.47

20. R.Parimala And C.Jayakumar(2015), Various Authentication Schemes For Secure Data Storage In Cloud Environment: A Survey, *International Journal Of Applied Engineering And Research*,10, 25945-25955. Impact Factor: 0.47

21. J.Seethalakshmi And C.Jayakumar(2015), Compare The Perform Of Voice Recognition Using Deep Neural Network And Fuzzy Logic, *International Journal Of Applied Engineering And Research*, 10(9), 22991-22998. Impact Factor: 0.47

22. T.K. Thivakaran And C. Jaya Kumar(2016), A New Proposed Hadoop Search (Hasear) Algorithm On Hadoop Framework Using Data Warehouse, *Middle-East Journal Of Scientific Research*, 24(11), 3510-3514, DOI: 10.5829/Idosi.Mejsr.2016.3510.3514. Impact Factor: 0.47

23. M.Mohammed Taha And C JAYAKUMAR(2016), A Self Intelligent Learner Identification To Increase Self- Efficacy For Enhanced Learning Performance, *International Journal Of U- And E- Service , Science And Technology*, 9,206-226.

24. M.Mohammed Taha And C Jayakumar(2016), Improve Outcome Of E-Learning Using Self Learning Classifier, *International Journal Of Advanced Engineering Technology*,7(2),697-700.

25. Jancy And Jayakumar C(2015), Packet Level Data Compression Techniques For Wireless Sensor Networks, *Journal Of Theoretical And Applied Information Technology*,75, 36-42. Impact Factor: 0.59

26. G.Geetha And C.Jayakumar(2014), Implementation Of Trust And Reputation Management For Free Roaming Mobile Agent Security, *IEEE Systems Journal*, 9(2),556-566 DOI: 10.1109/JSYST.2013.2292192 Impact Factor: 1.584

27. Mohana And C. Jayakumar(2017), Hierarchical Replication And Multiversion Concurrency Control Model For Mobile Database Systems (MDS),*Wireless Networks*, 23(5),1401–1411, DOI 10.1007/S11276-015-1190-Y. Impact Factor: 1.584

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29. T. Manimegalai, C. Jayakumar And G. Gunasekaran, Using Animal Communication Strategy (ACS) For MANET Routing, *Journal Of The National Science Foundation Of Sri Lanka*, 43(3), 199-208, DOI: Http://Doi.Org/10.4038/Jnsfsr.V43i3.7948. Impact Factor .203

30. A Rengarajan, R Sugumar, And C Jayakumar(2016), Secure Verification Technique For Defending IP Spoofing Attacks, *International Arab Journal Of Information Technology*,13(2), 302-309, Impact Factor 0.52.

31. R.Sugumar A.Rengarajan, C.Jayakumar(2014), A Technique To Stock Market Prediction Using Fuzzy Clustering And Artificial Neural Networks, *Computing And Informatics*, 33, 992-1024. Impact Factor: 0.524

32. Nithya, S., Jayakumar, C.,(2016), Automatic Firewall Rule Generator For Network Intrusion Detection System Based On Multiple Minimum Support, *Indian Journal Of Science And Technology*, 9(41),1-4, DOI: 10.17485/Ijst/2016/V9i41/86987. Impact Factor.0.16

33. A.Subashchandar, C.Jayakumar(2016), SSASD: Semantic And Syntax Aware Service Discovery For Heterogeneous Application In Pervasive Computing, *International Journal Of Control Theory And Applications*, 9(9), 4163-4173,

34. A.Subashchandar, C.Jayakumar, (2016), Cross Indexing And Cross Verification Algorithm Based Service Discovery In Pervasive Computing, *International Journal Of Engineering And Technology (IJET)*, 8(4), 1712-1718.

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36. N. Mythili And Dr.C.Jayakumar(2016), Valid Region Estimation For Nearest Neighbor Queries, International Journal Of Advanced Engineering Technology, 7(1), 774-780.

37. Sathiyavathi V And Jayakumar C(2016), Delay Tolerant Multi Variant Quality Driven Video Streaming Approach For Efficient Video Streaming In Mobile Ad Hoc Networks, *International Journal Of Advanced Engineering Technology*, 7(1), 804-807.

38. M. Vijay Anand And C.Jayakumar(2016), Province And Energy Based Itinerary Selection For Secure Routing In Manet Using Bee Colony Optimization, *International Journal Of Advanced Engineering Technology*, 7(1), 836-840.

39. Karmel A And Jayakumar C(2015),Recurrent Ant Colony Optimization For Optimal Path Convergence In Mobile Ad Hoc Networks, *KSII Transactions On Internet And Information Systems*, 9, 3496-3514, **doi>** 10.3837/Tiis.2015.09.01.

Impact Factor 0.561.

40. Geetha And C Jayakumar(2014), Protection Of Free Roaming Mobile Agents Using Customized Root Canal Algorithm Against Malicious Host Attacks, *Journal Of Theoretical And Applied Information Technology*, 62(1), 1207-1215. Impact Factor. 0.59

41. Manimegalai And Jayakumar, C.(2013), TIME ACCOUNT BASED AODV FOR MANET ROUTING, *Jokull* ,63(9),220-234

42. R.Sugumar A.Rengarajan, C.Jayakumar(2013), Design A Secure Multi-Party Computation System Using Association, Rule Hiding Algorithm For Privacy Preserving Data Mining, *Wulfenia Journal*, 20(1), 28-40.

43. A.Rengarajan, R. Sugumar, C. Jayakumar(2013), Efficient Movable Source Record Routing Over Dynamic Source Routing, *Wulfenia Journal*, 20(1), 11-27.IImpact Factor: 0.267

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46. K.M. Anandkumar And C. Jayakumar Mahalakshmi K And Charen(2014), IRDR: Integrity-Preserved Reliable Data-Centric Routing In Wireless Sensor Networks", *International Journal Of Applied Engineering Research (IJAER),* 9(23), 21151-21163

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48. Subashchandar, C Jayakumar, CICV: Cross Indexing And Cross Verification Algorithm Based Service Discovery In Pervasive Computing, *International Journal Of Engineering And Technology (IJET)*, 8(4),1712-1718, DOI:10.21817/ijet/2016/v8i4/160804411

49. M. Asha Jerlin And C. Jayakumar(2015), A Dynamic Malware Analysis For Windows Platform - A Survey, *Indian Journal Of Science And Technology*, 8(26), 1-5,DOI:10.17485/Ijst/2015/V8i26/81172. Impact Factor: 0.16

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51. N.Mythili And Dr.C.Jayakumar (2015), Window Query Processing Using Grid Index, *International Journal Of Applied Engineering Research*, 10(17), 13888-13895.

52. Dr C.JAYAKUMAR, Arthi A, Lakshmi Devi K(2015), Authenticated Anonymous Communications For Security Enhancement In MANET", *International Journal Of Applied Engineering Research*, 10(20) (2015),17064-17069.

53. R. Sugumar, A. Rengarajan And C. Jayakumar(2015), Enhancement Of K-Anonymity To Privacy Preserving Data Mining Using Association Rule Hiding

Algorithm, *International Journal Of Applied Engineering Research*, 9(24), 26351-26364.

54. Arthi Arumugam, Chinnappan Jayakumar, Rama Chaithanya Tanguturi(2014), SMADA - Secure Model For Attack Detection And Authentication Of Multicast Routing In MANET, *International Journal Of Applied Engineering Research*,9(27),9438-9446

55. K.M. Anandkumar And C. Jayakumar(2014), Distance Vector Based Detection Of Node Replication Attacks In Wireless Sensor Networks, *Middle-East Journal Of Scientific Research (MEJSR)*, 22(3),444-457,DOI: 10.5829/Idosi.Mejsr.2014.22.03.21909. Impact Factor:0.62

56. R. Sugumar, A. Rengarajan And C. Jayakumar(2014), Design A Weight Based Sorting Distortion Algorithm For Privacy Preserving Data Mining, *Middle-East Journal Of Scientific Research*, 23(3), 405-412,DOI: DOI: 10.5829/idosi.mejsr.2015.23.03.22128. Impact Factor .62.

57. Sujihelen And Dr.C.Jaya Kumar(2014), Energy Efficient Clustering Protocol For Collecting Data In Wireless Sensor Network, *Journal Of Theoretical And Applied Information Technology*, 69(2), 282-287. Impact Factor. 0.59

58. Santha Sheela A.C And Dr C.Jayakumar(2014), Duplicate Web Pages Detection With The Support Of 2d Table Approach, *Journal Of Theoretical And Applied Information Technology*, 67(1),191-200, Impact Factor. 0.59

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60. G.Geetha And Jayakumar C(2014), Secure Communication Protocol For Protecting Computation Result Of Free Roaming Mobile Agent, *Journal Of Computer Science*, 10(7), 1207-1215, DOI : 10.3844/Jcssp.2014.1207.1215.

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62. R. Parimala And C. Jayakumar , Ear Biometrics – An Alternative Biometric, *International Journal Of Computer Science And Engineering Communications*, 1, 54-61.

63. Vijay Anand And C. Jayakumar(2013), Secure Routing In Manet Using Artificial Immune System Based On Danger Theory, *International Journal Of Emerging Research In Management &Technology*, 2(4),73-77.

64. T P Rani, Dr. C Jaya Kumar(2014), Performance Evaluation Of Routing Protocols For Anomaly Detection, *International Journal For Research In Applied Science And Engineering Technology (IJRASET)*, 2(5), 281-288.

65. S.L. Jany Shabu, Dr.C. Jayakumar, And T. Surya(2013), Survey Of Image Fusion Techniques For Brain Tumor Detection, *International Journal Of Engineering And Advanced Technology (IJEAT)*, 3(2), 457-459.Impact Factor:1.097

66. T.Swathy And Dr.C.Jayakumar(2013), Enhancing Lifetime Of Mobile Sensor Nodes Using Sleep And Awake Strategies And AODV Routing Protocol, *International Science And Research Journals*, 43-48.Impact Factor.1.7

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Technology (IJERT), 2(11),3593-3598, DOI : 10.17577/IJERTV2IS111192. Impact Factor: 1.76.

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71. M.Jeyaselvi And Dr.C.Jayakumar(2013), Routing Disruptions In Wireless Sensor Networks, *International Journal Of Research In Engineering & Advanced Technology*, 1(1),1-4. Impact Factor.1.479

72. Karmel A And Dr.C.Jayakumar(2013), Analysis Of MANET Routing Protocols Based On Traffic Type, *IJREAT International Journal Of Research In Engineering & Advanced Technology*, 1(1), 1-4. Impact Factor.1.479

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79. G.Geetha And Dr C.Jayakumar(2011), Trust Enhanced Data Security In Free Roaming Mobile Agents Using Symmetric Key Cryptography, *International Journal Of Network Security & Its Applications(IJNSA)*, 3(5), 217-228, DOI : 10.5121/ijnsa.2011.3517 217. Impact Factor.0.279

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