

# CURRICULAM VITAE

**Dr.G. SINGARAVEL, BE., ME., Ph.D., MISTE., MCSI.,**



## **Professor & Head**

Department of Information Technology  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode- 637 215

Namakkal District, Tamilnadu, India.

**Mobile:** +91 - 9943455245, 7010689369

**Res. Ph:** 04256 230194

**E-mail:** [singaravelg@gmail.com](mailto:singaravelg@gmail.com)

[hodit@ksrce.ac.in](mailto:hodit@ksrce.ac.in)

**URL:** Singaravel.in

*Dr. G. SINGARAVEL received the D.C.T degree in Computer Technology in 1995 from Kongu Polytechnic College and the Undergraduate degree B.E. (Electronics and communication and Engineering) in 1999 in Kongu Engineering College from the Bharathiyar University. He completed his master degree M.E. (Computer Science and Engineering) in 2002 at Arulmigu Kalasalingam College of Engineering from Madurai Kamaraj University. He received his Ph.D. degree in the area of Information and Communication from Anna University, Chennai in 2010. He has 25 years of teaching experience. He is a Professor and the Head of the Department of Information Technology, K.S.R College of Engineering (Autonomous), Tiruchengode. He is recognizing as a Supervisor for Ph. D Programme and M. Tech (By Research) in Computer Science and Engineering at Anna University, Chennai. He is trained certificate holder of 'High Impact Teaching Skills' through Wipro Mission 10X and Trained Evaluator & Resource Person of NBA (National Board of Accreditation) by AICTE, New Delhi. Chief Advisor for Technology Updates and Monitoring Overseas at client project at Accrete Software services & Resource, Chennai. He is in the editorial board member of 12 International/National Journals. He has published 140 papers in international, national journals and conference proceedings and having Google Scholar citations and h-index. He has guided 30 Master Degree projects. He is Guiding 11 PhD research scholars in various domains and 13 Research scholar were Completed. His*

areas of research include Software Engineering, Agile Project Management, Green & Cloud Computing, Machine Learning, Big Data Analytics, etc.,

I am happy to share that 13 Ph.D. scholars have completed under my supervision. In my past, I have headed the role for supporting Information Technology Department for getting NBA in 2008, 2012.

The highlights of my contribution include – Steering Committee & Criteria I Head for KSR Collage of Engineering for NAAC Accreditation of A++ with 3.69. I had the opportunity to learn, understand and contribute in accreditation process as a steering committee head. Currently Chairman for Computer Society of India (CSI), Salem Chapter.

As a part of the education community, I am interested to share my learnt experience to my academic contacts.

**Academics Experience:**

**Teaching Experience** : 25 Years

**After Ph.D.** : 13 Years, 5 Months

Achievement	
Teaching Experience : 25 Years	Session Chaired in Conferences : 10
Patent Granted & Published : 04	National Conference Organized : 02
Book published : 03	International Editorial Board : 19
Indexed Journal : 26	International Conference Organized : 03
Ph.D. Research Completed : 13	National Workshops/Seminars Organized : 22
<b>Research and Funding Agency (R&amp;D)</b>	
AICTE (RPS/FDP/STP): 03	International Journal Publications : 50
SERB-DST : 01	National Journal Publications : 02
CSRI : 01	International Conferences : 18
CSI : 08	National Conferences : 12
Anna University : 02	National/International Workshop attende : 30
DIT : 01	National/International SDP/FDP attended : 09
	Project guided for Post Graduate level : 10
	Project guided for Under Graduate level : 25

Consultancy Projects : 03	Mini Project guided for Under Graduate level : 10
Sessions/Symposium Organized : 25	Awards : 03
President of Society : 01	
Membership in Professional Bodies : 04	
Faculty Development Program Organized : 10	

### **Research Scholar Details**

<b>Number of Ph.D. Scholars</b>					
<b>S.No.</b>	<b>Status</b>	<b>Research Area</b>	<b>Regno</b>	<b>Name of the Scholar</b>	<b>University</b>
1	<b>Completed</b>	Data Mining and Data Warehousing	11260631045	Prakash M	Anna University
2	<b>Completed</b>	Computer Network	10960121034	Dhanasekaran R	Anna University
3	<b>Completed</b>	Image processing	11260531049	Paneer Selvam R	Anna University
4	Confirmation Completed	Data Mining	17134691241	Tamilarasu P	Anna University
5	Confirmation Completed	Big Data	17134691345	Arunkumar K.G	Anna University
6	<b>Completed</b>	Software Engineering	71130631021	Karuppusamy S	Anna University
7	<b>Completed</b>	Software Engineering	71130631047	Sakthivel M	Anna University
8	<b>Completed</b>	Wireless Sensor Network	71160531006	Eswaramoorthi R	Anna University
9	<b>Completed</b>	Wireless Sensor Network	71160631045	Sachidhanandam P	Anna University
10	Confirmation Completed	Cloud Computing	D14CS019	Rajesh M	Bharth University
11	Confirmation Completed	Cloud Computing	D14CS011	Senthil J	Bharth University
12.	<b>Completed</b>	Image Processing	17234697430	Kanimozhi N	Anna University

13.	<b>Completed</b>	Data Mining	1423469728	Kavitha N.S	Anna University
14.	<b>Completed</b>	Virtualization	1414439913	Gokuldhev M	Anna University
15.	<b>Completed</b>	Geo-Computing	16134697396	Nithyanantham S	Anna University
16.	<b>Completed</b>	Image Processing	18244697159	Revathi M	Anna University
17.	Confirmation Completed	Artificial Intelligent	21194691511	Praveen Kumar K	Anna University
18.	Confirmation Completed	Big Data Analytic	21144697188	Kaveen P	Anna University
19.	Confirmation Completed	Computer Network	21194697406	P.N.V. Sivakumar (Full Time)	Anna University
20.	Confirmation Completed	Computer Network	21254697668	Yarlagadda Sirisha (Full Time)	Anna University
21.	Course Work	Wireless Sensor Network	22194697117	M. Rama Krishna Raju (Full Time)	Anna University
22.	Course Work	Big Data Analytic	23144691271	O.K. Gowrishankar	Anna University
23.	Thesis Submitted	Computer Networks	1613469218	U. Muthaiah	Research Co-Ordinator Anna University
24.	<b>Completed</b>	Medical Image	17244997353	A. Priyadharshini	Research Co-Ordinator Anna University
25.	<b>Completed</b>	Wireless Sensor Network	18144691313	Saravana Kumar S	Research Co-Ordinator Anna University
26.	<b>Completed</b>	Machine Learning	18144691319	Prabhu Shankar B	Research Co-Ordinator Anna University
27.	Thesis Submitted	Machine Learning	18154691577	Gunigari Harish	Research Co-Ordinator Anna

					University
--	--	--	--	--	------------

- ❖ Research Head & Research Coordinator for Department of Information Technology, Affiliated to Anna University College of Al-Ameen Engineering College and Er. Perumal Manimekalai College of Engineering.

### **Professional Details**

- **Since July 1, 2011: Professor and Head** in Department of Information Technology, K.S.R. College of Engineering (Autonomous), Tiruchengode, Affiliated to Anna University, Chennai.
- **From July 2003 - June 2011: Professor and Head** of the Department of Computer Science and Engineering, K.S.R. College of Engineering, Tiruchengode, Affiliated to Anna University of Technology, Coimbatore.
- **From Jan 2002 - May 2003: Lecturer** in the department of Computer Science and Engineering, Dr. M.G.R. Engineering College, Chennai, Affiliated to Anna University, Chennai.
- **From Jun 1999 - Jan 2002: Lecturer** in the department of Computer Science and Engineering, Jaya Engineering College, Chennai, Affiliated to Anna University, Chennai.

<b>Pedagogic Details</b>			
<b>Degree qualification</b>	<b>Institute/University</b>	<b>Percentage</b>	<b>Year of passing</b>
<b>Ph.D.</b> (Information and Communication)	Anna University, Chennai	Highly Recommended	Nov 2010
<b>M.E.</b> (Computer Science and Engineering.)	Arulmigu Kalasalingam College of Engineering, Krishnankovil, Madurai (Dt) Tamilnadu, India. Madurai Kamaraj University, Madurai	82%	April 2002
<b>B.E</b> (Electronics and Communication Engineering)	Kongu Engineering College, Perundurai, Erode (Dt), TamiNadu, India. Bharathiyar University, Coimbatore	67%	May 1999
<b>D.C.T</b> (Computer technology)	Kongu Polytechnic, Perundurai, Erode (Dt), Tamilnadu, India Direct of Technical Education, Chennai	74%	April 1995

<b>Computer Proficiency</b>	
<b>Technology</b>	<b>Resources</b>
Operating system	Windows NT Server, Windows 7/XP /95/98/2000, DOS
Languages	C, C++, JAVA, Dot Net, Python
Scripting Languages	ASP, XML, HTML, JAVA SCRIPT
Network Technology	TCP/IP, LAN, WAN, Distributed System, CORBA, COM & DCOM, INTERNET

Front End Tool	VB 6.0
Testing Tool	Win Runner, Load Runner, Risk Rader, Weka
Packages	Microsoft Office 2007/2010

Academic Specializations	
Research Specialization	Subject specialization
<ul style="list-style-type: none"> <li>• Software Engineering</li> <li>• Agile Methodologies</li> <li>• Software Testing</li> <li>• Information Security</li> <li>• Agile Methodologies</li> <li>• Object oriented Analysis</li> <li>• Machine and Deep Learning</li> <li>• Cloud Computing</li> <li>• Big Data Analytics</li> </ul>	<ul style="list-style-type: none"> <li>• Fundamentals of Computing</li> <li>• Embedded systems</li> <li>• Computer Architecture</li> <li>• Mobile computing Apps</li> <li>• Data Structure</li> <li>• Software Quality Management</li> <li>• Project Management</li> <li>• Industry Project - IBM</li> <li>• Product Development (Patten Designing)</li> </ul>

### Membership in Professional Bodies

- Life member - ISTE (*LM38394*), 2003 onwards
- Life member - CSI (*00153292*), 2004 onwards
- **Life member** - ISRD (*F3140900610*), 2016 onwards
- **Vice - President** of Computer Society of India (CSI), Salem Chapter, and Tamilnadu – 2012 to 2016.
- **President** in Computer Society of India (CSI), Salem Chapter, Tamilnadu. – 2018 to 2023.

### Major Position Held

- **Chief-Coordinator & Steering Committee Head for NAAC:** College level, K.S.R. College of Engineering (Autonomous), Period 2013-2017. (NAAC With - A+)
- **Criteria one Head for NAAC:** College level, K.S.R. College of Engineering (Autonomous), Period 2018 - 2023. (NAAC - A++ With 3.69)
- **Chief-Coordinator for NBA** – College level, K.S.R. College of Engineering (Autonomous), from 2008 onwards.
- **Training & Placement Head** - College level, K.S.R. College of Engineering (Autonomous), from 2012 to till date.
- **Coordinator of ICT Academy Tamil Nadu & EDP Cell** (Funded by Government of Tamilnadu), K.S.R. College of Engineering, Tiruchengode (From 2008 to till date).
- **President for Institution Innovation Council (IIC)** - Institution Level from 2019 to till date.
- **Chairman - Board of Studies (BOS)**, Department of Information Technology, K.S.R. College of Engineering (Autonomous), Period 2011-2013 & 2013-2017, 2018-2021, 2022 to till date.
- **Educationist & Member of Governing Body (GB)** - Al-Ameen Engineering College (Autonomous), Erode, Tamilnadu. (2021 to 2023)
- **Department Advisory Committee (DAC) Member** - Department of Computer Science and Engineering, K.S. Rangasamy College of Technology, Tiruchengode, Tamilnadu.

- Best student **Project selection committee member** (Namakkal District) headed by district collector of Namakkal for 2015-2016 appointed by Government of Tamilnadu.
- **Co-opted External Expert** – Academic Council, Autonomous Body and BOS of Computer Science and Engineering (UG &PG) at K.S. Rangasamy college of Technology (Autonomous), Tiruchengode.
- **Member** - Faculty Requirement Selection Committee, K.S.R. College of Engineering, Tiruchengode.
- **Member Question paper Setting Committee** - Karunya University, Dr.M.G.R. University, Karpagam University, Sastra University, Kumaraguru College of Technology (Autonomous), Kongu Engineering College (Autonomous), Chandrasekara Vidyala University, Sona college of Technology (Autonomous), Government College of Engineering (Autonomous), Annamalai University.

<b>Ph.D. Supervision Recognition</b>		
<b>Name of the University</b>	<b>Recognition Number</b>	<b>Approved Departments</b>
Anna University, Chennai	1006101 / 2740085	Computer Science and Engineering, Information Technology, Electronic and Communication Engineering
Bharath University, Chennai	R14CS011	Computer Science and Engineering
VIT University, Vellore	1102433	Computer Science and Engineering.

#### Sponsored / Research Projects

<b>S.No</b>	<b>Project</b>	<b>Name of Industry/ Agency</b>	<b>Faculty</b>	<b>Period</b>	<b>Status</b>
1	Agile Methodology (Ref. No.: <b>8023/RID/RPS-54/2011-12 &amp; 09-12-2011</b> )	Research Promotion scheme (RPS) - AICTE, New Delhi.	Dr.G. Singaravel	2011-2014	Rs.60,000 (Completed)

#### Consultancy Projects

<b>S.No</b>	<b>Name of the Project</b>	<b>Client</b>	<b>Faculty Members involved</b>	<b>Period</b>	<b>Amount generated (In Rs.)</b>
1	Data integrity Proofs in Cloud Storage	Beat Soft Info Solutions, Chennai	Dr.G. Singaravel	2010-11	Rs. 20,000 (Completed)
2	Design, Development and Maintenance of the web portal for KVC Textiles	KVC Textiles, Erode	Dr.G.Singaravel	2011-12	Rs.1,50,000 (Completed)

### Collaboration Research undertaken

S.No.	Organization/ Institution	Contact Person	Research Title	Grants/Support Received
1.	ALIAS Research Group, Faculty of Computing Universiti Teknologi Malaysia. 81310 UTM Skudai Johor, Malaysia	Dr.Mohamad Shukor bin Talib, , Faculty of Computing Universiti Teknologi Malaysia.	Bio-Computing Analytic	International Conference, Seminar, Internship, Collaborative Research.

### Administration

- Involved in the process of **Accreditation** B.E. (Department Coordinator of CSE) at Dr. M.G.R. Engineering College, Chennai by the national board of accreditation (NBA), New Delhi.
- **Advisor** Member for Department library, College library at Dr. M.G. R Engineering College, Chennai and K.S.R. College of Engineering, Tiruchengode.
- Placement cell **Coordinator** of CSE at K.S.R College of Engineering, Tiruchengode
- **Chief coordinator of ISO 9001: 2000 certified institution** at K.S.R College of Engineering, Tiruchengode
- Anna University: **Internal Auditor**, K.S.R. College of Engineering, Tiruchengode (Since 2011).
- College Level **Coordinator**, Salem chapter of Computer Society of India (CSI), 2009 onwards.

### Out Source Supervision

- **Advisor** of academic course & training division at silicon computer pvt.ltd, Erode, Tamilnadu, India.
- **Chief advisor** for Technology updates and monitoring overseas at client project at Accrete Software, Services & Resources, Chennai.
- Advisor Board Member of Swell Technology Pvt. Ltd, Coimbatore.
- Involved in the **Framing of syllabi** for M.C.A., B.Sc Computer Technology, M.Sc computer technology.
- **Setting up** of Multimedia and Image Processing Laboratory at Jaya Engineering College, Chennai.
- **Setting up** of Cloud Computing Laboratory at K.S.R College of Engineering, Tiruchengode.

### Session Chaired in Conferences



- International **Conference Chair** (ICICT 2010) at M. Kumarasamy College of Engineering, Karur, Tamilnadu.
- **Chaired a session** at the National Level Technical Symposium — “ASTHRA 10”, Department of Information Technology held at K.S.R. College of Engineering, Tiruchengode on 24.02.2010.
- **Conference Chair** In International Conference on Innovations in Communication Information and Computing (ICICIC’13) held at Sasurie College of Engineering, Vijayamangalam on January 9-11, 2013.
- **Keynotes speaker and session-chair** at CAASR International Conference on Advanced Theoretical Computer Applications (ICATCA’16), 5th -6th May 2016 in **Kuala Lumpur, Malaysia**.
- **Chairperson** – at National Conference on Simulation and computing Technologies “NCSACT’17”, 15.2.2017 in Government College of Engineering, Salem, Tamil Nadu.
- **Keynotes speaker and session co-chair** at - International Conference on Cognitive Science and Artificial Intelligent (ICCSAI-2017), 5th -7th July 2017 at Sree Vidyankethan Engineering College (Autonomous) and funding with DST-SERB Government of India, in Tirupathi, Andhra Pradesh, India.
- **Chief Guest & Keynote Speaker** –National Conference on “Computing and Information System”.at Er. Perumal Manimekalai College of Engineering, Hosur.- 07/03/2018.
- **Chair Person & Delivered the lecturer** in International Conference on “Recent Innovations in Engineering, Technology and Management (ICRIETM-2018)”, Nandha Engineering College(Autonomous),Erode.- 23/03/2018.....

### International Editorial Board / Reviewer – Journals

- **Technical Committee and Reviewer** for International Conference on Information Technology and Management Issues (ICITMI 2011), September 4-6, 2011, Malaysia.
- **Reviewer** for International Conference on Advanced Computing, Networking and Security (Adcons 2011), December 16-18, 2011, NITK-Surathkal, Mangalore, India
- **Technical Committee and Reviewer** for International Conference on Computer Application (ICCA 12), January 27-31, 2012 in Techno Forum Software Solutions, Pondicherry, India.
- **Technical Committee and Reviewer** for International Conference on Electronics and Optoelectronics (ICEOE 2012), July 27-29, 2012, Shenyang, Lioniny
- **Reviewer** for International Journal of Computer Science and Information Security (**IJCSIS**)- (ISSN: 1947-5500).
- **Editorial Board** of i-manager’s Journal on Communication Engineering and Systems(**JCS**)
- **Editorial Board** of National Journal on Computer Application (**JCA**)- (ISSN No.0974 1925)
- **Reviewer** for the International Journal of Digital Content Technology and its Applications (ISSN: 1975-9339), 2014 onwards

- **Reviewer** for the International Journal of Digital Content Technology and its Applications (ISSN: 1975-9339), 2014 onwards
- Review Committee member of ICTACT Journals, ICT Academy of Tamil Nadu, 2013 onwards.
- **Technical Committee and Reviewer** International Conference on Human Machine Interaction 2015 [ICHMI 2015], Kuala Lumpur, Malaysia between 25th November, 2015 and 27th November, 2015.
- **Reviewer** for ASTM International - Journal of Testing and Evaluation (JTE),2014 onwards.
- **Technical Committee and Reviewer** 2nd International Conference on Systems, Science, Control, Communication, Engineering and Technology 2016 [ICSSCET 2016], Coimbatore, India between 18th March, 2016 and 19th March, 2016.
- Article for **Expert Review**-CAASR International Conferences-May5-6-Kuala Lumpur-Malaysia-2016
- **Edited Board Member** - International Journal of Computer Science and Information Security(IJCSIS), ISSN 1947 5500.Pittsburgh, Pennsylvania, US. -2017.
- **Reviewer** -Context Based Classification of Reviews Using Association Rule Mining and Fuzzy Logics/Reviewer, BEEI Bulletin of Electrical Engineering and Information, Vol.6, No.3, pp.250-255., September 2017.
- **Chief Editor**, Proceeding of international conference on Information and Computational Science. (ICICS'2018),K.S.R.College of Engineering, Tiruchengode, Namakkal District, India....

### Paper Published in Refereed Journal

#### *International Journal*

1. **Dr.G. Singaravel**, Dr.B.G. Geetha, Palanisamy V, and Duraiswamy K. (2008), 'A Tool for Testing of Inheritance Related Bugs in Object Oriented Software', Journal of Computer science, **Science Publishers**, Vol. 4, No.1, pp. 59-65. (SCOPUS)
2. **Dr.G. Singaravel and** Dr.B.G. Geetha (2008), 'Assessment and people Risk Management in software project', International Journal of Computer Science and Applications, **IJCSA (ISSN 0972-9038), Techno mathematics Research Publications**, Vol.1, No.2, pp. 121-124. (SCOPUS)
3. **Dr.G. Singaravel**, Dr.B.G. Geetha, Palanisamy V., and Krishnan A.(2009), 'Standard system centric adaptable risk analysis for clone transformation of software project', International Journal of computer application in Engineering ,Technology and Sciences, **IJ-CA-ETS(ISSN: 0974 – 3596), Amoghsiddhi Education Society Publications**, Vol.1, No.2,pp. 508-513.- Impact Factor: GIF: 1.9908 – SIF: 3.248.
4. **Dr.G. Singaravel**, Palanisamy V. and Krishnan A. (2009), 'Ethics Understanding of Software Professional in Risk Reducing Reusability Coding Using Inclusion Set Theory', International Journal of Computer Science and Information Security (**IJCSIS**), Vol. 6, No. 2, pp. 189-196.Publisher: **Thomson Reuters**.
5. **Dr.G. Singaravel**, Palanisamy V and Krishnan A. (2010), 'Adaptive reusability risk analysis (ARRA) model', International Journal of Computer Science and Network Security(**IJCSNS**), Vol.10, No.2, pp. 97-101. Publisher: **Thomson Reuters**.

6. **Dr.G. Singaravel and Kaveen P (2014)**, 'Image Fraud Identification Using Illuminant Analysis', International Journal of Innovative Research in Computer and Communication Engineering (**IJIRCCE**), Vol.02, No.1, pp. 3727-3734. Impact Factor: **5.618**
7. **Dr.G. Singaravel and Dhanasekaran R (2014)**, 'Denial of Service Attack in Distributed Wireless Network by Distributed Jammer Network: A Birth-Death Random Process Analysis', International Journal of Computer Science(**JCS**), Vol.10, No.08, pp. 1397-1402. ISSN Print: 1549-3636: ISSN Online: 1552-6607: Cites per Doc: 0.69: SJR: 0.3: (**SCOPUS**), **Science Publications**.
8. **Dr.G. Singaravel and Prakash, M. (2014)**, 'An Analysis of Privacy Risks and Design Principles for Developing Countermeasures in Privacy Preserving Sensitive Data Publishing', International Journal of Theoretical and Applied Information Technology (JATIT), Vol. 62, No. 1, pp. 204-213, ISSN: 1992-8645 (SJR: 0.151, SNIP: 0.32, IPP: 0.165)(**SCOPUS**) (**Annexure II**).
9. **Dr.G. Singaravel and Rejesh. M. (2014)**, 'I/O Workload in Virtualized Data Center Using Hypervisor', International Journal on Recent and Innovation Trends in Computing and Communication (**IJRITCC**), Vol. 2, No. 6, pp. 2256-2260.
10. **Dr.G. Singaravel and Prakash, M. (2014)**, 'A Review on Approaches, Techniques and Research Challenges in Privacy Preserving Data Mining', Australian Journal of Basic and Applied Sciences, Vol. 8, No. 10, pp. 251-259, ISSN: 1991-8178 (SJR: 0.472,SNIP:0.472, IPP:0.241) (**SCOPUS**)(**Annexure II**).
11. **Dr.G. Singaravel and Sachidhanandam P., (2015)**, 'A Life Time Enhancement of the Sensor Nodes through Linear Motion of the Mobile Sink', International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10., No.38, pp 28318-28324.
12. **Dr.G. Singaravel and Sakthivel M. (2015)**, 'Adaptability and Flexibility Investigation of the Reusable Code Analytical Skill Intensity of Developer in Agile Methodology', International Journal of Applied Engineering Research, ISSN 0973-4562., Vol. 10., No.38., pp 28360-28362.
13. **Dr.G. Singaravel Sivakumar P., Prakash M (2015)**, 'Efficient Methods for Distinction Preclusion in Data Mining', International Journal of Applied Engineering Research, ISSN 0973-4562 ., Vol. 10 No. 5 .,pp 2212-2215. **SCOPUS** Indexed Journal
14. **Dr.G. Singaravel and Arulmozhi S (2015)**, 'Software Process Implementation Framework for Automatic Generation of Work Flow Model Testing', International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10 No.55., pp 2212-2215.
15. **Dr.G. Singaravel Arulmurugan R, and Anguraj S., (2015)**, 'Enhanced Task Scheduling Scheme for Hadoop Map Reduce Systems', International Journal of Emerging Technology in Computer Science & Electronics (**IJETCSE**), ISSN: 0976-1353, Vol 15 Issue 1. Impact Factor 1.012.
16. **Dr.G. Singaravel and Mithun Brindha S (2015)**, 'Fuzzy interference approach based prioritization of security requirements' Indian Journal of Innovations and Developments, ISSN: 2277-5390, Volume 3 Issue 4, pp. 80-84.
17. **Dr.G. Singaravel and Prakash, M (2015)**, 'An approach for prevention of privacy breach and information leakage in sensitive data mining', International journal of Computers and Electrical Engineering, Vol 45,

pp. 134-140, ISSN: 0045-7906 (SNIP: 1.538, SJR: 0.711, Impact Factor: 0.817) (**Annexure I Thomson Reuters**).

18. **Dr.G. Singaravel and Sivaranjani. T (2015)**, 'Survey on Object Classifications in Image Processing', International Journal for Scientific Research & Development, Vol. 3, Issue 08, ISSN (online): 2321-0613, pp. 220-222.
19. **Dr.G. Singaravel and Deepan Shakaravathy. V (2015)**, 'Survey on Agile Software Development Project using Scrum', International Journal for Scientific Research & Development, Vol. 3, Issue 08, ISSN (online): 2321-0613, pp. 103-105.
20. **Dr.G. Singaravel and Prakash, M (2015)**, 'Haphazard Anonymization: A novel algorithm for approach for privacy and knowledge preservation', International Journal of Applied Engineering Research, Vol. 10, No. 5, pp. 4064-4070, ISSN 0973-4562 (SJR: 0.13, SNIP: 0.166, IPP: 0.077) (**Annexure II SCOPUS Indexed Journal**).
21. **Dr.G. Singaravel and Prakash, M (2015)**, 'A framework for high performance and strict privacy preserving data mining algorithms', International Journal of Advanced Technology in Engineering and Science, Vol. 3, No. 4, pp. 189-196, ISSN: 2348-7550 (IIFS Impact Factor: 1.012).
22. **Dr.G. Singaravel and Ramya. T (2016)**, 'A Traffic Sign Motion Restoration Model Based on Border Deformation Detection', International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), Vol. 20, Issue 02, ISSN: 0976-1353, pp. 13-15.
23. **Dr.G. Singaravel and Sivaranjani. T (2016)**, 'An Efficient Object Classification Based On ELM ', Imperial Journal of Interdisciplinary Research (IJIR), Vol. 2, Issue 05, ISSN: 2454-1362, pp. 1529 -1534.
24. **Dr.G. Singaravel and Sachidhanandam P., (2016)**, 'Efficient Data Aggregation in sensor Nodes through linear motion of mobile sink', Asian Journal of Information Technology(Medwell Journals),Vol.15,Issue 15,ISSN:1682-3915, pp.2679-2682. (**Scopus (Annexure - I)**)
25. **Dr.G. Singaravel and Sakthivel M., (2016)**, 'A Hybrid Software Development Model for Risk Reduction through Agile Principles', Asian Journal of Research in Social Sciences and Humanities, Vol. 6,Issue 12, ISSN:2249-7315, pp.117-125. (**Annexure - I**)
26. **Singaravel G., and Sudarsanam P, (2016)**, 'Optimal Ring Routing Path Management Algorithm for Energy Efficient Sink Node of WSN', International Journal of Printing, Packaging & Allied Sciences, Vol. 4,Issue 4, ISSN:2320-4387, pp.2628-2633. (**Annexure - I**)
27. **Dr.G. Singaravel and Rejesh. M. (2016)**, 'Performance Measure of Network I/O Workload In Virtualized Data Center Using Hypervisor', International Journal of Pharmacy & Technology (IJPT), Vol. 8, No. 4, pp. 23529-23538.
28. **Dr.G. Singaravel and Senthil.J (2016)**, 'Human Oriented Authentication Using Fingerprint Recognition for Secure Environment', International Journal of Pharmacy & Technology (IJPT), Vol. 8, No. 4, pp. 23424-23440.
29. **Dr.G. Singaravel and Prakash, M (2018)**, 'Haphazard Enhanced and personalized Anonymization for privacy Preserving Data Mining on Sensitive Data Sources', International Journal of Business Intelligence

and Data Mining, vol. 13, no. 4, pp. 456-474, ISSN online: 1743-8195, (Annexure I), INTERSCIENCE Publisher.

30. **Dr.G. Singaravel and Eswaramoorthi, R (2018)**, ‘Improved Artificial Bee Colony Optimization Approach in UWBOFDM for Frequency Offset Estimation’, Journal of Testing and Evaluation, ISSN: 0090-3973, Acceptance Received, Manuscripts ID: JTE-2014-0343.R1. ASTM International Publisher. (SCOPUS) Thomson Reuters. (Annexure - I)
31. **Dr.G. Singaravel and Kaveen.P., (2018)**, ‘Simulation of Efficient Life-Time in Clustering Approaches for New Approach in Wireless Sensor Network’, Bonfring International Journal of Networking Technologies and Applications, Vol. 5, No. 1., pp.1-2., ISSN 2277-5099.
32. **Dr.G. Singaravel Karuppusamy S and Kaveen.P., (2018)**, ‘Scrum Investigation Analysis for Android Application’, Bonfring International Journal of Networking Technologies and Applications, Vol. 5, No. 1., pp.12-16., ISSN 2277-5099.
33. **Dr.G. Singaravel and Kanimozhi., (2018)**, ‘Combining Image Security and Authentication Using Sift and Zernike Moments’, Bonfring International Journal of Networking Technologies and Applications, Vol. 5, No. 1., pp.17-20., ISSN 2277-5099.
34. **Dr.G. Singaravel and Kavitha N S., (2018)**, ‘Survey on Data Aggregation through Orthogonal Set Method for Wireless Sensor Network’, Bonfring International Journal of Networking Technologies and Applications, Vol. 5, No. 2., pp.12-14., ISSN 2277-5099.
35. **Dr.G. Singaravel and Kaveen P (2018)**, ‘The Future Wireless Network’, International Journal of Science and Innovative Engineering & Technology (IJSIET), Vol.02, No.2, pp. 1-3. ISBN:78-81-923607-3-7.
36. **Dr.G. Singaravel and Yasvanthkumaar V (2018)**, ‘Enhanced Automatically Mining Facets for Queries and Clustering with Side Information Model’, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Vol. 7, No.10, pp.127-131, DOI 10.17148/IJARCCE.2018.71026.
37. **Dr.G. Singaravel, Sudarsanam P, Vinutha B, Sharath Raj, 2019**, ‘Location Oriented Android Discount Tracker’, Journal of Computational Information Systems, **Vol.15**, pp.15-21, Impact Factor
38. **Dr.G. Singaravel & Karuppusamy, S 2019**, ‘Investigation Analysis for Software Fault Prediction using Error Probabilities and Integral Methods’, International Journal of Applied Mathematics and Information Sciences, ISSN 1935-0090. **ISI Impact Factor –1.232**. vol. 13, no. S1, pp. 205-210.
39. **Singaravel, G & Sudarsanan, P 2019**, ‘Super Imposes Cluster Embedding for using ring routing path identification in WSN’, Journal of Soft Computing, (*Scopus Indexed*), Vol. 23, No. 18, pp. 8633-8642 (ISSN:1432-7643, (Impact Factor 2.74).
40. **Singaravel, G, Gokuldhev, M, & Ram Mohan, N.R 2019**, ‘Multi-Objective Local Pollination-Based Gray Wolf Optimizer for Task Scheduling Heterogeneous Cloud Environment’, Journal of Circuits, Systems and Computers, Vol.27,No.7.,pp1-24. , (Impact Factor 1.363).

41. **Dr.G. Singaravel**, P. Abishek, V. Dharashan, M. Hariharan 2020, 'One's space In online social network', International Journal of Advances in Engineering and emerging technology, **Vol. 11**, pp.115-120, Impact Factor 7.217.
42. **Singaravel, G & M. Gokuldhev, 2020**, 'Local Pollination-Based Moth Search Algorithm for Task-Scheduling Heterogeneous Cloud Environment', The Computer Journal, <https://doi.org/10.1093/comjnl/bxaa05>. (Impact Factor 0.787).
43. **G. Singaravel & S. Nithyanantham 2020**, 'Resource and Cost Aware Glowworm Map reduce Optimization Based Big Data Processing in Geo Distributed Data Center', An International Journal Wireless Personal Communications, DOI 10.1007/s11277-020-07050-6. (Impact Factor 0.787). (Impact Factor 0.951).
44. **G. Singaravel & R. Panneerselvam 2020**, 'Efficient multi-dimensional web information discovery in wireless sensor Network', Journal of Advanced Science and Technology, **Vol.29**, pp. 2383-2393.
45. **G. Singaravel & M.Revathi 2020**, 'Wavelet Filter Alzheimer's Classification from MRI Images using Adaboost', International Journal of Ambient Intelligence and Humanized Computing, DOI 10.1007/s12652-020-01868-5, (Impact Factor 3.420).
46. **G. Singaravel & NS Kavitha 2021**, 'Efficient multi-dimensional web information discovery in wireless sensor Network', International Journal of Communication System, Vol.34, No.4, DOI: 10.1002/dac.4781, wiley online library
47. **G. Singaravel & N. Kanimolzhi 2021**, 'Hybrid artificial fish particle swarm optimizer and kernel extreme learning machine for type-II diabetes predictive model', Medical & Biological Engineering & Computing **vol. 59**, pp841–867.Springer Publication.
48. **Dr.G. Singaravel**, R. Jayashree, S. DeviPriya, S. Ramkumar, S. Lingesh **2021**, 'Parking Allotment Management System' International Research Journal of Modernization in Engineering Technology and Science **Vol. 3**, pp.1176-1179, Impact Factor - 5.354.
49. **Dr.G. Singaravel & M. Vinothini, 2021**, 'Integration of GSM and GPS for Private Smart Transport Management System Using IOT' International Journal of Advances in Engineering and Emerging Technology (IJAEET), **Vol.12**, pp.1-5, Impact Factor - 6.43.
50. **Dr.G. Singaravel & S. Nithyanantham, 2022**, 'Hybrid Deep Learning Framework for Privacy Preservation in Geo-Distributed Data Centre' Intelligent Automation & Soft Computing (**Scopus/WoS**), **Vol.32**, pp. 1905-1919. Impact Factor - 3.401.
51. **Dr.G. Singaravel & M. Gokuldhev 2022**, 'Local Pollination-Based Moth Search Algorithm for Task-Scheduling Heterogeneous Cloud Environment' Computer Journal (**Scopus/WoS**), **Vol.65**, pp. 382-395. Impact Factor - 1.494.
52. **Dr.G. Singaravel**, Naveenkumar, V. Navetha, T.R. Priyadharshini, E. Srisaran **2022**, 'Knowledge-based Approach to Detect Potentially Risky Websites', International Journal of Advances in Engineering and Emerging Technology, **Vol.13**, pp. 1-10. Impact Factor - 0.784.
53. **Dr.G. Singaravel & M. Revathi 2022**, 'Improved Wavelet Filter Bank Selection for Effective Feature Extraction in Alzheimer Classification', Journal of Medical Imaging and Health Informatics, **Vol.12**, pp. 106 - 116.
54. **Dr.G. Singaravel**, S.Gowtham & G. Dharanhi **2022**, 'Pharmaceutical Guidance System Based on Sentimental Analysis of Chemist Reviews Using Machine Learning', International Journal of Innovation

Research in Computer and Communication Engineering, **Vol.10**, Issue 12, pp. 8664-8668, Impact Factor 8.165.

55. **Dr.G. Singaravel**, R. Dinesh, R. Myilraj, G. Ragul, T.Ranjithkumar **2023**, 'Energy Efficient Task Allocation Algorithm for Fog Computing Networks', International Journal of Advances in Engineering and Emerging Technology (IJAEET), **Vol.14**, pp. 1-6, ISSN 2321-452X.

### ***References Index of Publication:***

<https://scholar.google.com/citations?user=-zoCvooAAAAJ>

<https://orcid.org/0000-0002-4063-7749> ORCID

<https://dblp.org/pid/92/7659.html>

**Scopus Author ID: 24449654800**

**Web of Science ResearcherID  $\square$  AAA-9353-2021**

### ***National Journal***

1. **Singaravel G.**, and Geetha B.G.,(2008), 'Overview Analysis of organizational and professional risk management for software security projects', Journal of Computer Applications, Vol.1, No.2,pp.59-62.
2. **Singaravel G.**, and Dhanasekaran R., (2014), 'Random Process Analysis for Distributed Jammer Network Attacks in Wireless Networks, Journal of Computer Applications, Vol.VII, No.1,pp.40-42.

## **Paper Published in Refereed Conference**

### ***International Conference***

1. **Singaravel G** and Rajiv kannan A, (2007), 'Mobile Ipv6 in 2g and 3g Mobile Networks', International conference on Network Security and workshop(ICONS-2007),Erode Sengunthar Engineering College, Erode.
2. **Singaravel G,(2008)**, ' Intrusion Detection Using Data Mining Along Genetic Algorithm' International Conference on Computing Communication and Networking(ICCCN-08), Chettinad College of Engineering and Technology, Karur.
3. **Singaravel G.**, Geetha B.G and Kamalraj R , (2009), 'Reducing Efforts on Software Project Management using Software Package Reusability', in IEEE International Advanced Computing Conference (IACC 2009),Patiala, India,Vol. 1, pp 1624-1627.
4. **Singaravel G.**, Palanisamy V. and Krishnan A. (2010), 'Overview analysis of reusability metrics in software development for risk reduction',Published in IEEE Xplore Digital Libaray ,International Conference on Innovative Computing Technologies (ICICT 2010), M.Kumarasamy College of Engineering, Karur, pp. 1016-1024.

5. **Singaravel G.**, Iyapparaja.M. and Geetha.B.G. (2010), 'Inheritance related risk coding factors of Agile method in IRRF Tool', IEEE International Conference on Innovative Computing Technologies (ICICT 2010), M.Kumarasamy College of Engineering, Karur, pp. 1016-1024.
6. **Singaravel G and Padma S.**(2010), 'Parallel Instruction Detection System with Multi –Classifier Mechanism' International Journal of Computer Network and Communication (IJCNC) and International conference on 'System on Chip(Soc)'S.N.R.Sons College,Coimbatore,pp.321-327.
7. **Dr. G. Singaravel** and M. Prakash "A New Model for Privacy Preserving Sensitive Data Mining" In IEEE Sponsored Third International Conference on Computing, Communication and Networking Technology 2012 (ICCCNT12) held at SNS College of Engineering, Coimbatore on 26<sup>th</sup>, 26<sup>th</sup> - 28<sup>th</sup> July 2012.
8. **Dr. G. Singaravel** and M. Prakash, "A Study of Privacy Risks and Countermeasures in Mining and Publishing of Sensitive Data" In International Conference on Innovations in Communication Information and Computing (ICICIC'13) held at Sasurie College of Engineering, Vijayamangalam on January 9-11, 2013.
9. **Dr. G. Singaravel**, "Analysis of Distributed Jammer Network Attacks in Distributed Wireless Networks Using Linear Birth - Death Process" In International Conference on "Advanced Computing, Control System, Machines and Embedded Technology" (ICACT2014) held at J.K.K.Natraja College of Engineering and Technology, Kumarapalayam on March 7-8, 2014.
10. **Dr. G. Singaravel** and Priya D, "Morphological Dilation Using Weighted Points Via Skeletonization" In Proceeding of International Conference on "Computing and Communication Technology" (ICCCT2014) held at Immanuel Arasar JJ College of Engineering ,Nattalam on January 22-23, 2014.
11. **Dr. G. Singaravel** and Priya D, "Creation of Zonal Map from Point Data Using Morphological Opening By Skeletonization" In Proceeding of IEEE International Conference on "Information Communication and Embedded" (ICICES 2014) held at S.A. Enengineering College, Chennai on Feberury 27-28, 2014.
12. **Dr. G. Singaravel** and M. Prakash "A survey on privacy preserving data publishing and mining," In International Conference on Trends in Technology for convergence, 2014.
13. **Dr. G. Singaravel** and S. Medhun Birundha, "A Novel Risk Analysis Approach for Security Requirement Prioritizations" In Proceedings of International Conference on Recent Innovations in Engineering & Technology (ICRIET-2015) held at Mahabharathi Engineering College, Chinnasalem, Tamilnadu, India on 13<sup>th</sup> & 14<sup>th</sup>, Feberury 2015.
14. **Dr. G. Singaravel**, "My Routes App Using Agile – Scrum Methodology" in the International Conference on Advanced Theoretical computer Applications (ICATCA'16) ,organized by CAASR Publishers held at Kuala Lumpur , Malaysia on 5<sup>th</sup> & 6<sup>th</sup> May 2016.



15. **Dr. G. Singaravel** and M.Prakash “An efficient protocol for privacy Preservation in Big Data” in the International Conference on Advanced Theoretical computer Applications (ICATCA’16) ,organized by CAASR Publishers held at Kuala Lumpur , Malaysia on 5<sup>th</sup> & 6<sup>th</sup> May 2016.
16. **Dr. G. Singaravel**, “Map-Parallel scheduling (MPS) using Hadoop environment for job scheduler and time span for Multicore Processors” in the International Conference on Advanced Theoretical computer Applications (ICATCA’16),organized by CAASR Publishers held at Kuala Lumpur , Malaysia on 5<sup>th</sup> & 6<sup>th</sup> May 2016.
17. **Dr. G. Singaravel**, “Reserve Provisioning with protected Mining in Distributed Method for Cloud Data Environmnt” in the International Conference on Advanced Theoretical computer Applications (ICATCA’16),organized by CAASR Publishers held at Kuala Lumpur , Malaysia on 5<sup>th</sup> & 6<sup>th</sup> May 2016.
18. **Dr. G. Singaravel**, “PAPR Reduction Techninques in OFDM System” in the International Conference on Emerging Trends In Science and Engineering(ICETSE-2017), 11<sup>th</sup> &12<sup>th</sup> May,2017 at Coorg Institute of Technology,Belagvi.
19. **Dr. G. Singaravel**, “Pharamaceutical Guidance System Based on Sentimental Analysis of Drug Review Using ML” in International Conference on Recent Trend in Science, Engineering and Management (ICRTSEM-2023), 27<sup>th</sup> &28<sup>th</sup> April, 2023 at Er. Perumal Manimekalai College of Engineering (Autonomous), Konripalli, Hosur - 637 117, Tamilnadu, India.
20. **Dr. G. Singaravel**, “Online Handyman Services” in AICTE Sponsored 11<sup>th</sup> International Conference on Advanced Science and Engineering Research 2023(ASER-2023), 12<sup>th</sup> &13<sup>th</sup> May,2023 at Al.Ameen Engineering College (Autonomous), Erode, Tamilnadu.
21. **Dr. G. Singaravel**, “Quiz Website Using PHP” in AICTE Sponsored 11<sup>th</sup> International Conference on Advanced Science and Engineering Research 2023(ASER-2023), 12<sup>th</sup> &13<sup>th</sup> May,2023 at Al.Ameen Engineering College (Autonomous), Erode, Tamilnadu.
22. **Dr. G. Singaravel**, “Light Fidelity Technology” in AICTE Sponsored 11<sup>th</sup> International Conference on Advanced Science and Engineering Research 2023(ASER-2023), 12<sup>th</sup> &13<sup>th</sup> May,2023 at Al.Ameen Engineering College (Autonomous), Erode, Tamilnadu.
23. **Dr. G. Singaravel**, “Pharamaceutical Guidance System Based on Sentimental Analysis of Drug Reviews Using Machine Learning” in AICTE Sponsored 11<sup>th</sup> International Conference on Advanced Science and Engineering Research 2023(ASER-2023), 12<sup>th</sup> &13<sup>th</sup> May,2023 at Al.Ameen Engineering College (Autonomous), Erode, Tamilnadu.
24. **Dr. G. Singaravel**, “Pneumonia Detection Using Deep Learning” in AICTE Sponsored 11<sup>th</sup> International Conference on Advanced Science and Engineering Research 2023(ASER-2023), 12<sup>th</sup> &13<sup>th</sup> May,2023 at Al.Ameen Engineering College (Autonomous), Erode, Tamilnadu.

25. **Dr. G. Singaravel**, “Credit Fraud Detection Using Machine Learning Algorithm” in AICTE Sponsored 11<sup>th</sup> International Conference on Advanced Science and Engineering Research 2023(ASER-2023), 12<sup>th</sup> &13<sup>th</sup> May,2023 at Al.Ameen Engineering College (Autonomous), Erode, Tamilnadu.

### ***National Conference***

1. **Singaravel G, (2006)**, ‘Risk Management in Clean Room Software Engineering’, Second National Conference on Recent Trends in Advanced Computing (NCRATAC-06), SNS College of Technology, Coimbatore, pp
2. **Singaravel G, (2007)**, ‘Web Documents Contents Extraction Using Redundant Data Elimination Techniques’, National Conference on Emerging Technology (MKCE- CONFLUENCE - 07),M.Kumarasamy College of Engineering, Karur, pp
3. **Singaravel G and Prabhu A (2009)**, ‘An overview of reusability with reduction methodology for software coding transformation’, Proceedings of Vellalar college of Engineering and Technology National Conference on Recent Trends in Computer Application (NCRATCA 2009) at Vellalar college of Engineering and Technology , Erode, pp. 272-276.
4. **Singaravel G and Ganeshkumar K. (2008)**, ‘An Overview of Software Clones’, Proceedings of K.S.Rangasamy College of Technology Second National conference on New frontiers in computing (SNCONFIC -08) at K.S.Rangasamy College of Technology , Tiruchengode, pp. 28.
5. **Singaravel G ., Ganeshkumar K and Palanisamy V(2009)**, ‘Enervate and Destructive Risk Analysis Methodology for Software Project Failures’ Proceedings of Government college of engineering National conference on Software Engineering and Application( codeclave 9.2) at Government college of Engineering,Salem,pp.309.
6. **Singaravel G.,(2009)**, ‘Constraint Based Sequential Pattern Mining’ Proceedings of National Conference on Recent Trends in Computer Application(NCRATCA 2009) at Vellalar college of Engineering and Technology , Erode.
7. **Singaravel G.,(2010)**, ‘ Multi Classifier Based Intrusion Detection System Using Feature Selection Mechanism’ Proceeding of Fourth National Conference on Networks, Intelligence and Computing Systems(NCNICS-2010),Coimbatore.
8. **Singaravel G., (2014)**, ‘Generation of zonal map from point via weighted skeletonization by influence zone’ Proceeding of Second National Conference on Innovations in Computer Technology and Communication (NCICTC14), Easa College of Engineering and Technology, Coimbatore.

9. **Singaravel G., and Kaveen P (2014), ‘Image Forgery Detection using Machine – Learning Based Illuminant Estimator – A Survey’** Proceeding on National Conference on Innovations in Information Technology (NCIIT14), Bannari Institute of Technology, Sathyamangalam.
10. **Singaravel G., and Dhanasekaran R., (2014), ‘Mathematical Analysis for Preventing Jammer Attacks in Distributed Wireless Networks, Proceeding of 6<sup>th</sup> National Conference on Emerging Issues in Computer Applications for Intelligent Innovation in Information Technology, K.S.R College of Engineering, Namakkal.**
11. **Singaravel G., and Prakash M (2014), ‘A Study of Privacy Preserving Data Mining Techniques’** Proceeding of 6<sup>th</sup> National Conference on Emerging issues in Computer Applications for Intelligent Innovation in Information Technology (EICA – 2014), K.S.R College of Engineering, Namakkal.
12. **Singaravel G., and Prakash M (2014), ‘Privacy Preserving Protocol for Data Sharing in a Multi-Party Environment’** Proceeding of 2<sup>nd</sup> National Conference on Networking and Communication Systems (NCS – 2014), Excel Engineering College, Namakkal.

#### Book published

1. **‘Computer Science - A Structured Programming Approach Using C’**, Behrouz A. Forouzan - De Anza College, Richard F. Gilberg - De Anza College, M.S., National University B.G. Geetha - K.S.R. College of Technology, Tiruchengode **G. Singaravel** - K.S.R. College of Engineering, Tiruchengode ISBN-13: 9788131516034 780 Pages, Imprint :Course Technology ©2012,Cengage Learning.[Text book for Anna University of Technology, Coimbatore – common syllabus for all branches of Engineering and Technology]. [https://www.amazon.in/Exam-Preparation-G-Singaravel-Books/s?rh=n%3A4149751031%2Cp\\_27%3AG](https://www.amazon.in/Exam-Preparation-G-Singaravel-Books/s?rh=n%3A4149751031%2Cp_27%3AG).
2. **‘Introduction to Software Testing’**, N Satheesh Kumar,S Subashni DELL Services , B.G. Geetha - K.S.R. College of Technology, Tiruchengode **G. Singaravel** - K.S.R. College of Engineering, Tiruchengode.ISBN: 81-903041-0-0,Umayam Publication.
3. **‘Advanced Engineering Research and Application’ – Chapter, Research India Publications, New Delhi. - 2017, Page No. 366-384, ISBN: 1087-1090.**

#### Patent Granted and Published

1. **Singaravel G., and Ganesh Kumar K**, registered the application for grant of patent titled “Adaptive Reusability Risk Analysis Model for Software Development” on 03.09.2015 under the application no. 4685/CHE/2015.
2. **Singaravel G.**, ‘Smart Compact Structural Instrument – Converting software Tools’, Published in Pattern Journal, Patent Office Journal No. 43/2017 Dated 27/10/2017.
3. **Singaravel G., Copy Right:** Attendance and Assessment Record of K.S.R. College of Engineering – Register Number L-77899/2018.Dated: 14/08/2018.

4. **Singaravel G-** ‘ Coupled Multibody Dynamic Approach On Directional Drilling System In Oil Rigs’, Published & Grand in Australian Pattern, 23<sup>rd</sup> December 2020, Patent number: 2020102666.

### Workshop/seminar/SDP/FDP Attended

#### Workshop

1. **“Workshop On Software Modeling Using UML”** held at Department of Computer Science and Engineering, Annamalai University, Annamalai nagar, sponsored by UGC, New Delhi, 19<sup>th</sup> – 21<sup>st</sup> February 2004.
2. **“One Day Workshop on Role of Citizens In Environments Management And Water Resources Development”**, held at R.R. Engineering College, Tiruchengode, sponsored by Environmental Cell Division, Coimbatore, 13<sup>th</sup> March 2004.
3. **“Workshop on Curriculum Development for B.E / B.Tech., Degree Course in Computer Science and Engineering and Information Technology”** held at Kongu Engineering College, Perundurai, sponsored by AICTE – QIP , New Delhi, 15<sup>th</sup> – 17<sup>th</sup> July 2004.
4. **“One day workshop on Accreditation a Right Approach”** held at Thiagarajar College of Engineering, Madurai, sponsored by AICTE, New Delhi, 1<sup>st</sup> May 2004.
5. **“One Day National Workshop on Software testing”**, held at K.S.R.College Of Art and Science, Tiruchengode, sponsored by Tamilnadu State Council for Science and Technology and NCSTC, Delhi, 9<sup>th</sup> September 2006.
6. **“Software Testing”** held at Kongu Engineering College, Perundurai, Sponsored by AICTE, New Delhi, 19<sup>th</sup> – 20<sup>th</sup> May 2006.
7. **“National Seminar on Mobile Agent Applications”** held at K.S.R.College of Engineering, Tiruchengode, sponsored by AICTE, New Delhi, 7<sup>th</sup> & 8<sup>th</sup> September 2007.
8. **“Two Day Instructional Course in Design and Analysis of Algorithm”**, held at Centre for Information Technology, K.S.R.College of Arts and Science, Tiruchengode, Sponsored by Indian Association for Research in Computing Science (IARCS), 18<sup>th</sup> & 19<sup>th</sup> October 2008.
9. **“Two Day National Workshop on Software Quality”**, held at Anna University, Coimbatore, sponsored by Department Of Information Technology, Ministry of Communication & Information Technology, Government of India, New Delhi, 8<sup>th</sup> & 9<sup>th</sup> May 2008.
10. **“One Day Workshop on Audit Policy And Conduct Of Internal And External Audit”**, held at Vivekanandha Institute Of Engineering And Technology For Women, Tiruchengode, sponsored by Anna University , Coimbatore, 16<sup>th</sup> July 2008
11. **“One Day Workshop on Qualnet”**, held at K.S.R. College Of Engineering, Tiruchengode, sponsored by Computer Society of India (CSI), Coimbatore Chapter, Coimbatore, 24<sup>th</sup> March 2009.
12. **“One Day Workshop on Virtual Private Network - VPN”**, held at K.S.R. College of engineering, Tiruchengode, sponsored by computer society of india (csi), Coimbatore chapter, Coimbatore, 3<sup>th</sup> January 2009.
13. **“One Day Workshop On Advancement In Digital Signal And Image Processing”**, held at K.S.R. College Of Engineering, Tiruchengode, 3<sup>th</sup> February 2009.
14. **“One day workshop on recent trends in information technology”**, held at K.S.Rangasamy College of technology, Tiruchengode, 31<sup>st</sup> January 2009.

15. **“One Day Workshop on Accreditation Awareness Programme”** held at Bannari Amman Institute Of Technology, Sathyamangalam, sponsored by AICTE, New Delhi, 27<sup>th</sup> January 2009.
16. **“Training Workshop for Academic Auditors”**, held at Kumaraguru College Of Engineering, Coimbatore, sponsored by Anna University, Coimbatore, 27<sup>th</sup> & 28<sup>th</sup> January 2009.
17. **“International Workshop One – Learning For Engineering Educator”** held at Anna University, MIT Campus, Chennai.24<sup>th</sup> – 25<sup>th</sup> June 2011.
18. **“Enterprise computing”**-National level seminar held at Nandha Engineering College, Perudurai, sponsored by AICTE, New Delhi, 15<sup>th</sup> and 16<sup>th</sup> July 2011.
19. **“Cloud Computing and Its Research Application”** – National Level One Day Workshop held at K.S.R. College of Engineering, Tiruchengode, sponsored by CSI CHAPTER, 28<sup>th</sup> January 2011.
20. **“ Research Methodology and Techniques in Softcomputing”** – National level one day Seminar held at K.S.R. College of Engineering, Tiruchengode, sponsored by ICT Academy of Tamilnadu ,28<sup>th</sup> September 2011.
21. **“Enterprise Computing Lab”- Two days Hands on Training** held at K.S.R. College of Engineering, Tiruchengode Organized by Department of Information Technology, 2nd and 3th December 2011.
22. **“Panel Discussion on Autonomy as a tool for Quality Enhancement”** held at Government College of Technology, Coimbatore association with ZIPS Research Foundation on 26th June, 2012.
23. **“Cyber Security Challenges and Role of Intelligence”** two days National Seminer held at K.S.R.College of Engineering, Tiruchengode in association with Department of Electronics and Information Technology, Government of India, New Delhi on 14th and 15th September, 2012.
24. **“Training of Evaluators/Resource Person on Outcome Based Accreditation”** National Workshop phase-I & phase-II held at Bannari Amman Institute of Technology, Sathyamangalam.(Nodal Center) in association with National Board of Accreditation (NBA), New Delhi, on 6th January 2014 (Phase I) and 18th to 20th January 2014(Phase II).
25. **“Infosys Campus Connect - Faculty Enablement Program(FEP) on Big Data and Analytics”**, Infosys Limited, Bangalore, 10.08.2015-14.08.2015. (5days).
26. **“Infosys Campus Connect - Faculty Enablement Program(FEP) on Explore Machine Learning using R”**, Infosys Limited, Bangalore, 27.12.2017-29.12.2017. (3days).
27. **“Impact of Green Computing for Minimizing E-Waste on Human Health”**, at K.S.R. College of Engineering, Tiruchengode. - 03/07/2018 to 04/07/2018.

#### **FDP/SDP**

1. AICTE sponsored Staff Development Programme on **“Mobile Computing”** held at K.S.R. College of Engineering, Tiruchengode, during 13<sup>th</sup> – 24<sup>th</sup> July 2006.
2. AICTE sponsored Staff Development Programme on **“The Prospect and Application of Data Mining and Web Mining Algorithms”** held at AL- Ameen Engineering College, Erode, during 23<sup>th</sup> – 5<sup>th</sup> May& June 2011.
3. **“Wipro Mission 10X Workshop”** held at K.S.Rangasamy College of Technology, Tiruchengode from 13th to 17th September 2011.

4. AICTE sponsored Staff Development Programme on “**Research Initiatives in Data Mining for Web Intelligence**” held at K.S.R.College of Engineering, Tiruchengode, during 22th June 2012 to 3rd July 2012.
5. AICTE sponsored Faculty Development Programme on “**Security Issues in Utility Computing**” held at K.S.R.College of Engineering, Tiruchengode, during 17th June 2013 to 3rd July 2013.
6. Two-week ISTE workshop on “Cyber Security” conducted by Indian Institute of Technology Bombay from 10<sup>th</sup> July to 20<sup>th</sup> July, 2014
7. AICTE sponsored Faculty Development Programme on “**ECONOMIC DEVELOPMENT THROUGH DIGITAL TRANSFORMATION**” held at K.S.R. School of Management, Tiruchengode, during 11th September 2017 to 24th September 2017. (14 Days)
8. AICTE sponsored Faculty Development Programme on “Deep Learning and its application in Machine Vision and Robotics”, From 13/11/2017 to 26/11/2017 at Department of CSE, Nandha Engineering College, Erode-52. (14 Days)
9. Special Invitees, International Conference on “Machine Learning and Data Science”, Technology Transfer at Bennett University, New Delhi. 14/12/2017 & 15/11/2017.
10. Special Invitees, CSI Annual Convention 2017- “Social Transformation - Digital Way”.- Conference, CSI Kolkata Chapter, 19/01/2018 to 21/01/2018.
11. Seven Day Online Faculty Development Program On” Scope of Artificial Intelligent and Machine Learning in Automation”by department of Information Technology at Vellar College of Engineering and Technology on 11.05.2020-17.05.2020.
12. AICTE Sponsored Two Weeks Faculty Development Programme on “ Contemporary Research issues and Challenges in Advanced Intelligent Video Surveillance with Deep Learning Techniques” by department of Computer Science and Engineering at Muthayammal Engineering College (Autonomous), Rasipuram from 02.12.2020 to 15.12.2020.

### Conferences/Symposia/Workshops/Seminars/FDP’S organized

#### Symposia

1. Coordinator for the National Level Technical Symposium — “ABLAZE” for Department of Computer Science and Engineering at K.S.R. College of Engineering, Tiruchengode from 2003 to 2011.
2. Coordinator for the National Level Technical Symposium — “ASHRRA” for Department of Information Technology at K.S.R. College of Engineering, Tiruchengode from 2011 to 2021.

#### Workshops/Seminars

1. **Coordinator & Chairperson** for AICTE sponsored National Seminar on “Mobile Agent Applications” , 7th & 8th September 2007
2. **Coordinator** for the “ Research Interactive Software Professionals Meet” sponsored by DHS System, CSI Chapter ,Swell Technology and Department of Computer science and Engineering, and at K.S.R. College of Engineering, Tiruchengode, April 21st and 22nd, 2011.
3. **Convener** for the CSI Sponsored National level one day workshop on — “cloud computing and its research application” at department of computer science and engineering at K.S.R. College of Engineering, Tiruchengode on 28th January 2011.

4. **Convener** for the ICT Academy of Tamilnadu (An Initiative of Govt. of India, Govt. of Tamilnadu and CII, An ISO 9001 - 2008 Certified Organization) Sponsored National level one day seminar on — “Research methodology and techniques in soft computing ” at department of information technologist K.S.R. College of Engineering, Tiruchengode on 28th January 2011.
5. **Convener** for the “Enterprise Computing Lab”- Two days Hands on Training held at K.S.R. College of Engineering, Tiruchengode Organized by Department of Information Technology, 2nd and 3th December 2011.
6. **Convener** for CSIR Sponsored Programme for Two days National Seminar on “A Wireless Sensor Network for the Surveillance of Nuclear Radiation” on JUNE 18th & 19th, 2012. (**Ref .No: SYM/7118/11 –HRD & 23-04-2012**)
7. **Convener** for CSI sponsored two days workshop on “Research Tools for Data Mining and Big Data Analytics”, in the Department of Information Technology, K.S.R College of Engineering during 13<sup>th</sup> & 14<sup>th</sup> October, 2014.
8. **Convener** for Science and Engineering Research Board (SERB-DST) sponsored national seminar on “Data Mining Trends & Development for Geospatial Technology and its Applications””, in the Department of Information Technology, K.S.R College of Engineering during 13th & 14th October, 2014. (**Ref .No: SB/SS/776/14-15 Dated : 03 November 2014**)

### **Conferences**

1. **Coordinator and Editor** in the Proceedings for the First National Conference on Computer Technology Innovation in Information Age(NCCTIIA) in Department of Computer science and Engineering. at K.S.R. College of Engineering, Tiruchengode, 7th April 2010
2. **Coordinator and Editor** in the Proceedings for the second National Conference on Computer Technology Innovation in Information Age(NCCTIIA) in Department of Computer science and Engineering. at K.S.R. College of Engineering, Tiruchengode, 13th October 2011.
3. Convener -National conference on “Cutting Edge Technologies in Information and Communication”, by Department of Information Technology at K.S.R. College of Engineering, Tiruchengode. - 5th March 2016.
4. **Convener- International Conference** on “First Information and Computational Science (ICICS’2018)”- www.icics.in,by department of Information Technology on 27.3.2018 & 28.3.2018.

### **FDP**

1. **Coordinator for AICTE** Sponsored of Staff Development Program (SDP) in “Mobile Computing”, 13<sup>th</sup> – 24<sup>th</sup> July 2006.
2. **Coordinator** for Anna University, Chennai Sponsored Staff Development Program (SDP) in “Software Engineering”, 11<sup>th</sup> – 23<sup>th</sup> December 2006.
3. **Convener** for AICTE sponsored Staff Development Programme (SDP) on “Research Initiatives in Data Mining for Web Intelligence” on 22.06.2012 to 03.07.2012. (**F. No:1-78/RIFD/SDP (137)/2011-12 & 26.04.2012**)

4. **Convener** for **AICTE** sponsored Two Weeks Faculty Development Programme (FDP) on “Security Issues in Utility Computing” on 17.06.2013 to 03.06.2013. (Ref. No: 1-7/AICTE/RIFD/FDP/Pvt. (3)-13/2012-13)
5. **Convener** for **Anna University** sponsored Seven Faculty Development Training Programme on “IT6602-Software Architectures on **02.12.2015 to 08.12. 2015.** (Ref. No: No.21/CFD/Winter/FDTP/Affiliated/2015-64)
6. **Coordinator** for **AICTE Distinguished Chair Professor Scheme (DCPs) for 3 Year from 2021 -2024.**

#### Visiting Faculty

1. Faculty of Computing, Universiti Teknologi Malaysia(UTM),81310 UTM Skudai, Johor, Malaysia.(19/08/2018 to 31/08/2018).

#### Guest lecturer delivered

1. ‘Reusability of Software’ delivered the guest lecturer to staff development training for Government polytechnic teachers of south region of India, MHRD, Govt. of India organized with Computer center of NITTTR, Chennai on 12th October 2011.
2. ‘Software Engineering and Quality Assurance ’ delivered the guest lecturer to Faculty development Program for Affiliate Anna University self finances and government colleges faculties, sponsored by Anna University of Technology, Coimbatore organized with P.S.V. College of Engineering & Technology, Krishnagiri on 26th & 27th December 2011.
3. ‘Agile Methodology Framework in Software Engineering’ delivered the guest lecturer – Refresh Course, faculty of Information and Communication Engineering at UGC Academic Staff College, Bharatiyar University, Coimbatore held on 26.11.2012.
4. ‘Reusability as a Software Intelligent Agent ‘Delivered the Guest Lecturer – AICTE Sponsored Faculty Development Programme On Computational intelligence in Intelligent Agent & Web Applications held at Er. Perumal Manimekalai College of Engineering, Horse on 12.5.2013.
5. ‘Agile methodology and Software Engineering’ delivered the guest lecturer – AICTE Sponsored faculty development Programme on Emerging Trends & Technology in Software Engineering & Software Testing held at Er.Perumal Manimekalai College of Engineering, Horse on 3.07.2013.
6. ‘Object Oriented Analysis and Design (CS2353) delivered the lecturer for the Session – Anna University, Chennai Sponsored Seven Day faculty development Programme & conducted by Department of Computer Science and Engineering held at INFO institute of Engineering, Coimbatore on 25th November to 01st December 2013.
7. ‘High Performance Computing in Bioinformatics’ delivered the guest lecturer – Department of BioTechnology(DBT),Gov.of India Sponsored National Seminar at Er. Perumal Manimekalai College of Engineering, Horse on 21.12.13 to 23.12.13.
8. ‘Agile Methodology and Software Testing’ delivered guest lecturer – Refresh Course, in faculty of Information and Communication Engineering at UGC Academic Staff College, Bharatiyar University, Coimbatore held on 06.11.2014.



9. Guest Lecturer- CS6403- Software Engineering, As per Anna University FDTP Programme, Vidyaa Vikas College of Engineering and Technology, Tiruchengode. - 30/03/2018.
10. Resource Person –AICTE –ISTE Faculty Development Programme –Refresh Course on “Mining Algorithms for Classification”, at Department of Computer Science and Engineering, K.S.Rangasamy college of technology, Tiruchengode.- 04/06/2018
11. ‘Agile Methodology and Scrum’,at Faculty of Computing (ALIAS Research Group), Universiti Teknologi Malaysia(UTM),81310 UTM Skudai, Johor, Malaysia.- 28/8/2018.

### Award & Recognitions

- Got **Best International Journal Paper** award for “A Tool for Testing Inheritance Related Bugs in Object oriented Software” in Directory of open access journal, SPARC EUROPE AWARD 2009.
- Management Information System – Oct 2005 – 100% Result, Anna University ,Chennai
- Management information system –Dec 2006 – 100% Result, Anna University ,Chennai
- Software testing - April 2006 – 100% Result, Anna University ,Chennai
- Software testing - May2007 – 100 % Result, Anna University ,Chennai
- Computer Programming - May 2007- 100% Result, Anna University ,Chennai
- Software engineering –May 2009 – 100 % Results, Anna University of Technology, Coimbatore.
- Software quality Management –April 2010 – 100 % Results, Anna University of Technology, Coimbatore.
- Advanced computer Architecture – November 2011 -100 % results, Anna University of Technology, Coimbatore.
- Software Engineering Methodology – December 2014 – 100% results, Anna University, Chennai.
- **Best Teaching awards in Engineering for 2015** from Staffordshire University, UK and Education Matters.
- **Award for Achievements in Organizing FDP/Conferences** for 2014-15 from K.S.R College of Engineering (Autonomous), Tiruchengode.
- **Best support award** for International Conference on Advanced Theoretical computer Applications (ICATCA’16),organized by CAASR Publishers held at Kuala Lumpur , Malaysia on 5<sup>th</sup> & 6<sup>th</sup> May 2016.
- Elected as Chairman for Computer Society of India (CSI – Salem Chapter), Period of 2018-2020.
- **Awards-VIFA 2018** -‘Distinguished Faculty in Engineering’ in Computer Science and Engineering, Venus International Foundation, Chennai.
- **Visiting Professor** at Faculty of Computing, Universiti Teknologi Malaysia(UTM), Malaysia.2018-2019.
- **MOU** with ALIAS Research Group, Universiti Teknologi Malaysia(UTM), Malaysia.2018-2019.
- **Visit** Temesek Polytechnic at Singapore on 15.06.2018.
- **Education Excellence Award 2021** – Outstanding services along with brilliant and consistently high standard of work in the field of Education, Publication, Research and Development by Lead India, ESN Publication & Vision Digital India.
- **BEST EDUCATOR 2020-21** - International Educator Award 2020-21, instituted by the International Institute of organized Research (I2OR),by registered MSME.

### Personal Details

**Gender** : Male  
**Date of Birth** : 07<sup>th</sup> March 1974  
**Father's Name** : B.T.Gnana Sambandam  
**Marital Status** : Married  
**Nationality** : Indian  
**Permanent Address** : 93, Thiruneelakandar Street,  
Bhavani – 638 301.  
Erode district. Tamil Nadu. India.  
Phone: 04256-230194  
**Languages** : Proficiency in Indian languages:  
1. English 2.Tamil 3.Malayalam

### Reference

1. **Dr. A. Krishnan** : Dean  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode,  
[akrishnan41@gmail.com](mailto:akrishnan41@gmail.com)  
+ 91 9894911177
2. **Dr. V. Cyrilraj** : Dean - Academic  
Dr. M.G.R. Deemed University  
Maduravoyal, Chennai.  
[hod-cse@drmgrdu.au.in](mailto:hod-cse@drmgrdu.au.in)  
+91 9444129023

I assure that Information all above is true to my best of knowledge.

Place: Tiruchengode

Date: 15.05.2023

[Dr. G. SINGARAVEL]