

## Faculty Profile



**Name** : Dr. S. Duraisamy  
**Designation** : Assistant Professor  
**Address** : V 51, Sreevatsa Hill View  
Kovaipudur - 42  
Coimbatore  
**Contact Number** : 9894219325  
**Email ID** : sdsamy.s@gmail.com  
**Date of Joining in Collegiate Education:** 29 .07.2015  
**Date of Joining in the Present College** : 29.07.2015

**Goggle scholar id** : [https://scholar.google.com/citations?hl=en&user=mEQ-93gAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=mEQ-93gAAAAJ&view_op=list_works&sortby=pubdate)

**ORCID id** : <https://orcid.org/0000-0001-5899-4560>

### **Academic Profile**

:

<b>Degree</b>	<b>Institute/College</b>	<b>University</b>	<b>Period</b>
Ph.D. - Part Time (Computer Science and Engineering)	Alagagappa University	Alagagappa University	2004 - 2008
M.Phil. - Part Time (Computer Science)	MS University	MS University	2000 - 2002
M.C.A (Computer Application)	Bishop Thorp College	Bharathiar University	1994-1997
B.Sc (Computer Science)	C.B.M. College	Bharathiar University	1991-1994

## Teaching Experience

- i) **Total** : 27 Years  
ii) **UG** : 27 Years  
iii) **PG** : 27 Years

<b>Name of the college</b>	<b>Position held</b>	<b>Period</b>
PSG College of Arts and Science Coimbatore, Tamil Nadu	<b>Lecturer</b> Department of Computer Science	June 1997 to May 2000
Sri Krishna College of Engineering and Technology Coimbatore, Tamil Nadu	<b>Lecturer</b> Department of Computer Applications	June 2000 to Sept 2004
Sri Krishna College of Engineering and Technology Coimbatore, Tamil Nadu	<b>Senior Lecturer</b> Department of Computer Applications	Oct 2004 to May 2007
Sri Krishna College of Engineering and Technology Coimbatore, Tamil Nadu	<b>Assistant Professor</b> Department of Computer Applications	June 2007 to Sept 2008
Sri Krishna College of Engineering and Technology Coimbatore, Tamil Nadu	<b>Professor and Head</b> Department of Computer Applications	Oct 2008 to May 2015
Chikkanna Government Arts College Tirupur, Tamil Nadu	<b>Assistant Professor</b> Department of Computer Science	July 2015 to till date

## **Field of Interest**

- : Object Oriented Software Engineering  
i) **Teaching** : Computer Science Subjects  
ii) **Research** : **Software Engineering, Networks,  
Data Mining**

## Research Guidance

**Guidance Number** : Ph.D: 18044-7 / A2/ 2016 Dt: 15/09/2016

( If have more than one university, given them  
against university name)

S. No	M.Phil /Ph.D	Name of the Student	Thesis Title	Completed/ ongoing
1	Ph.D	S MANIVANNAN	Object Oriented Metrics For Improving Software Process Capability	Completed 2011- 2012
2	Ph.D	M. DURAISAMY	An Investigation Into The Robustness Of The Cellular Neural Network Based Segmentation For Medical Images	Completed 2013-2014
3	Ph.D	M.MANIKANDAN	Investigations on the performance of query based information extraction and clustering model in web data sources	Completed 2014-2015
4	Ph.D	P PRABHU	A Novel Approach For Improving The Quality of Software Development Process Using Pair Programming	Completed 2015-2016
5	Ph.D	K PRADEEPA	Improving The Lifetime of Wireless Sensor Network Using Multiple Mobile Entities.	Completed 2015-2016
6	Ph.D	R SIVAKUMAR	An Improved Hybrid Authenticated Trusts Y stem For Clustered Wireless Sensor Networks In Military Applications	Completed 2016-2017
7	Ph.D	SUGANTHI V	An Investigation Into Improvement of Reliability of The Open Source Software Using Optimization Techniques	Completed 2016-2017

8	Ph.D	RAJKUMAR N	A Fault Free Software Engineering Framework To Detect Errors And Lead To Better Software Development Phase	Completed 2016-2017
9	Ph.D	D VIVEK	Priority And Qos Aware Reliable Dynamic Reconfiguration System For Component Based Software System	Completed 2017-2018
10	Ph.D	VIJI C	An Improved Software Fault Prediction Schemes For Object Oriented System	Completed 2017-2018
11	Ph.D	MANIMARAN M	Improvement of Mobility Management For Ieee 802.21 Networks With Enhanced E2x And DSR Flow Using Ns2	Completed 2017-2018
12	Ph.D	DEVASENAPATHI K	Multivariate Data Analysis of Teaching Assistant Using Classification Algorithms	Completed 2017-2018
13	Ph.D	HAMEED IBRAHIM S	Priority Based ERP Projects Customization Using Multi Decision Making Framework	Completed 2018-2019
14	Ph.D	S. BEULA PRINCY	Analysis of Retinal Images Using Blood Vessel Detection And Optic Disc Segmentation	Completed 2017-2018
15	Ph.D	HELEN JOSEPHINE V.L	Review Opinion Mining Classification Model Using Soft Computing Approaches	Completed 2018-2019
16	Ph.D	PREMALATHA T	Design And Development of Multilayer Security Trust Model In Application Layer Protocol of Internet of Things	Completed 2019-2020
17	Ph.D	B.SUCHITRA	Design and Development of STS Tool for rendering Semi structured Data into Structured Data	Completed 2019-2020
18	Ph.D	SELLADEVI M	An Investigation on Making Improvements in the Aspect of Parameters and Methods	Completed March 2021

			for Defending against Wormhole Attacks in MANETs	
19	Ph.D	AMSAVENI M	Efficient Techniques To Improve Big Data Classification	Completed March 2022
20	Ph.D	MENAKA S		Completed March 2022
21	Ph.D	KANDHAMMAL K	A Study on implementation of big data in 4G revolution	Completed March 2022
22	Ph.D	SWEETHA	Software Engineering	Completed March 2022
23	M.Phil	KARTHI D	A Novel Methodology of Mapping Bug Reports Using Efficient Ranking Approach	Completed 2016-2017
24	M.Phil	SAKTHIVEL K	Regression Testing of Database Applications Under An Incremental Software Development Setting	Completed 2017-2018
25	M.Phil	SOWNDHARYA	Cloud Computing	Completed 2020-21

### Funded Projects

:

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details

S.NO.	AGENCY	TITLE	AMOUNT
1.	AICTE	NATIONAL SEMINAR ON SEMANTIC WEB	90,000
2.	DRDO	COMPUTATIONAL OPTIMIZATION AND MODELING- NATIONAL SEMINAR	20000
3.	DRDO	CHALLENGING ISSUES ON DATA MINING AND SEMANTIC WEB- NATIONAL SEMINAR	20000
4.	DRDO	INFORMATION SECURITY- WORKSHOP	20000

5.	DRDO	NATIONAL CONFERENCE(NCRAC12)	25000
6.	TCS	NATIONAL CONFERENCE(NCRAC12)	25000
7.	DRDO	NATIONAL SEMINAR -SOCIAL NETWORKING	20000
8	TNSCST	NATIONAL SEMINAR	15000
9	TNSCST	MINI PROJECT	15000
			2,50,000

**Membership in Professional Bodies** :

S. No	Name of the Professional Body	Membership Detail with Number
	Life time Member in ISTE	2009 onwards

**Research Publications** :

- i) **Research Papers** : **94** attach paper list - with doi and http link of the Paper (Annexure - I From 2015 to till date )
- ii) **Book/Book Chapters** : details with ISBN number
- iii) **Patent** : NIL

**National and International Conferences** : attach separate list (Annexure - II)

- i) **Participated** : **Attach separate list**
- ii) **Paper Presented** : **Attach separate list**
- iii) **Poster Presented** : **NIL**

**Conference/Seminars Organized** :

- *An AICTE-ISTE sponsored STTP on Semantic Web technologies was organized from March 16-20, 2009. A grant of Rs. 90000 was received from AICTE -ISTE for the conduct of STTP ON Semantic Web Technologies - No: Of Participants - 42*

- *One day workshop on Technical Aptitude in C++ and Java was organized on February 5, 2009 – No: Of Participants - 50*
- *A Skill development programme on Computer basics and office packages was organized for unemployed youth on 21-23 Dec 2009 sponsored through EDC cell. – No: Of Participants – 30*
- *One day workshop on Visual Programming was organized on March 12-13, 2010. – No: Of Participants – 61*
- *One day workshop on J2EE and web technologies was organized on April10,2010 – No: Of Participants - 57*
- *One day workshop on Foundations of Computer Science was organized on May 7, 2010 No: Of Participants - 80*
- *Two days workshop on Training programme on Advanced Excel for HR Managers of Keerthilal Kalidas was organized on 16-17 July 2010 .No: Of Participants - 30*
- *One day workshop on C# and .NET Framework was organized on August 20, 2010 No: Of Participants - 41*
- *DRDO sponsored two days workshop on Computational Optimization and Modeling on 21-22 January 2011 – No: Of Participants - 47*
- *One day seminar on “Middleware Technologies” on 13 August 2011. No: Of Participants -85*
- *One day seminar on “Technical Aptitude on C and C++ on August 27, 2011.No: Of Participants - 65*
- *DRDO sponsored two days workshop on Challenging issues on Data Mining and Semantic web on 27<sup>th</sup> and 28<sup>th</sup> January 2012. No: Of Participants -91*
- *DRDO sponsored two days workshop on Research Trends in Information Security on 10-11 February 2012 .No: Of Participants -62.*
- *DRDO and TCS sponsored Two days Second National Conference on Recent Advances in Computing (NCRAC-2012) on March 16-17 2012 No: Of Participants -80.*
- *DRDO sponsored two days workshop on Social Networks on 27-28 July 2012. No: Of Participants -50*

- DRDO and TCS sponsored Two day Third National Conference on Recent Advances in Computing (NCRAC-2013) on March 7-8 2013 No: Of Participants -80.
- One-Day Workshop On “Software Tools For Mobile Technologies”, 28th September 2013-Total Number Of Participants: 159 (1 Faculty / 158 Students)
- One day national workshop on Android Application programming on Feb 22 2014 No of participants : 77
- One day workshop on “Scripting Framework for Web Technology “on 23.8.2014, No of participants : 75
- TNSCST sponsored one day National Seminar on “ Water Stress and Scarcity” : Challenges for Students was organized on 20th December 2019 – No: Of Participants - 250

#### Seminar/Workshop / FDP attended

- Participated in the UGC sponsored One day seminar on “**NAAC Benchmarking Pointers**” organized by IQAC of Chikkanna Government Arts College, Tirupur on 10<sup>th</sup> Jan’ 2015.
- Participated in the 2 days programme on “**Soft Skills and Industry Awareness Training Program**” held on 24<sup>h</sup> Jan to 25<sup>h</sup> Jan 2018 conducted by ICTACT at Rathinam College of Arts and Science, Coimbatore
- Participated in 1 days Faculty Development Programme on “**BIG DATA ANALYTICS IN BIOINFORMATICS** ” held on 8<sup>th</sup> Feb 2019 at PSGR Krishnammal College for Women, Coimbatore – 641004 (DBT Sponsored)
- Participated in One day National Level Workshop on “ Intellectual Property Rights)” held on 28<sup>th</sup> September 2019 at Sri Vasavi College, Chithode, Erode
- Participated in the 2days FDP on Design, Develop and Deliver online courses through MOODLE platform, held on 15<sup>h</sup> & 16<sup>th</sup> May 2020 conducted by Tamil



Nadu State Council for Higher Education (TANSCH) with technical support of DOTE ,Chennai

- Participated in the 5 days Faculty Development Program on Introduction to Big Data Analytics (Online Live FDP) conducted by ICT Academy on 26 Apr 2021 to 30 Apr 2021

### **Resource Person/Invited Lectures**

:

- A special lecture for students of department of Computer Science, on 'OPPORTUNITIES IN COMPUTER SCIENCE' at Government Arts and Science College, Thittamalai on 28<sup>th</sup> March 2019.

### **International Conferences**

1. "Design Phase Quality Indicator for Object Oriented Design" at *International Conference on Software Testing*, Organized by QAI India, February 19-20, 2004, at Pune.
2. "Design Phase Testing Model - A Design Assessment" at *International Conference on Software Testing*, Organized by QAI India, February 21-22, 2005, at Hyderabad, India.
3. Improving Sensor Network Lifetime Using Multiple Mobile sinks: A New Predetermined Trajectory First International Conference on Intelligent Design and Analysis of Engineering Products, Systems and Computation during July 9 & 10, 2010 at Sri Krishna College of Engineering and Technology, July 2010.
4. Improving Sensor Network Lifetime Using Multiple Mobile sinks: A New Predetermined Trajectory ICCCN '10 IEEE Conference at Chettinad College of Engineering & Technology, Karur held on July 2010. Paper Published and Indexed in IEEE Explorer
5. Pradeepa, K., W. Regis Anne, and S. Duraisamy. "Improved sensor network lifetime using multiple mobile sinks: A new predetermined trajectory." *Computing Communication and Networking Technologies (ICCCNT)*, 2010 International Conference on. IEEE, 2010.

### **National Journal**

1. "A survey on Object Oriented Design Metrics", Published in the *Journal of Computer Science*, in Vol. 1, Issue 6, Sep - Oct. 2007, pages 415- 427, Karpagam Publications.

### **National Conferences**

1. "Early Risk Prediction and Quality Indicator for Object Oriented Software Metrics" UGC Sponsored National Conference on Advanced Computing at NGM College Pollachi, October 2002.
2. "Software Metrics" in the National Level Conference on Mathematical Computational Modal NCMCM 2003 at PSG College of Technology, Coimbatore , October 2003.
3. "Applying Metrics in OO Programming" at National conference on Recent trends in Computational Mathematics, at Gandhigram Rural institute - Deemed University, Dindigul, March 18-19 2004
4. "Quality Assessment in Object Oriented Design - A Metrics Based Approach" at National Conference on Knowledge Engineering and Data Mining in PSNA College of Engineering and Technology, April 4<sup>th</sup> 2006.
5. "Tool Based Design Quality Assessment Model For Object Oriented Systems" at National Conference on Computing Technologies at Mepco Schlenk Engg. College, March 3, 2006
6. "Bandwidth Optimization in Web based Notification system" Presented in National Conference on Recent Trends in Networks and Database technologies (RTNDT'13) at Kumaraguru College of technology on 20<sup>th</sup> April 2013.

### **Conferences Attended**

1. Conference on Concepts & Opportunities in BPO, Bioinformatics, E-Governance & Open source' was held on February 21<sup>ST</sup> and 22<sup>nd</sup>, 2003, organized by CSI (CSI - Coimbatore Chapter, India)
2. National conference on Computers in Mathematics' at PSG College of Arts and Science, Coimbatore

### **Workshop Attended**

1. Five Day Workshop in 'Master trainer in .NET Technology ' was held on 11<sup>th</sup> to 15<sup>th</sup> August 2003, Organized by Microsoft Corporation at Dr. Mahalingam College pollachi
2. Three day Workshop on "Software Engineering Practices in Infosys" was held December 2004
3. Four day training on MAYA conducted by Rahul Commerce held at Pune on May 2004
4. Two day Summit on 'Regional Summit on Quality in Education' Organized by CII, at The Residency January 2006

5. Participated in the 2days programme on “Soft Skills and Industry Awareness Training Program” held on 24<sup>h</sup> Jan to 25<sup>h</sup> Jan 2018 conducted by ICTACT at Rathinam College of Arts and Science, Coimbatore
6. Participated in One day National Level Workshop on “ Intellectual Property Rights)” held on 28<sup>th</sup> September 2019 at Sri Vasavi College, Chithode, Erode

### **Seminar Attended**

1. One-day Seminar on ‘Industry - Institute Interaction on Curriculum Planning and Design was held on 30<sup>th</sup> August 2003, Organized by Educational Technology Center, PSG College of Technology and CII Coimbatore Zone. Sponsored by Electronic Network Project
2. Seminar on PSP/TSP Awareness at PSG college of Technology on 20<sup>th</sup> September 2003
3. Attended One day Seminar on Software Quality and Testing organized by CSI, Coimbatore Chapter on 21<sup>st</sup> December 2004

### **National Conference Organized**

1. Organized a 1<sup>st</sup> National Level Conference on Recent Advances in Computing (NCRAC 2006) in Sri Krishna Institutions during the December 21- 22<sup>nd</sup> 2006.
2. Organized a 2<sup>nd</sup> National Level Conference on Recent Advances in Computing (NCRAC 2013) in Sri Krishna Institutions during the February 2013.

### **Programme Organized for Seminar/Workshop/FDP/Association/Soft Skills**

- One Year Training programme in ‘Java and Advanced Java’ by IBM Training Center, Coimbatore during the year 2000 to 2002 for BE CSE and IT Students
- 45 Days Training programme on ‘J2EE’ - a programme Contacted by KALS Information Systems, Bangalore, during year 2003 for MCA Students
- 6 months Training Program in ‘ Soft Skills ’ , by Ms Janson India, Coimbatore during the year 2004 for MCA Students
- One Year Training Programme in ‘ Soft Skills and Aptitude training ’ , by Ms Janson India, Coimbatore , during the year 2005- 2006 for MCA Students
- One day Workshop “Accounting and Problem solving Techniques” for I MCA Students during November 2006.
- One Year Training Programme in ‘Soft Skills and Aptitude training ’ , by IMS Learning Resources Ltd, Coimbatore , during the year 2007- 2008 for MCA Students
- Guest Lecture on “Cyber Security” Dr.M.Sethumadhavan, Amrita Vishwa Vidhyapeetham on 28.07.08

- Guest Lecture on “Network Security “ Mr.K.Pradeesh Babu Cambridge Solution private Ltd,Bangalore on 25.08.08
- Guest Lecture on “Current Trends in IT” Ms.Mahalakshmi Mazenet Solution Private Ltd,Coimbatore on 09.09.08
- Workshop on “Java, J2EE and Servlets” Mr.Senthil and Mr.Selvin Mazenet Solution Private Ltd,Coimbatore on 23.09.08
- Guest Lecture on “Technical Aptitude in C” Mr.Ganapathy Mazenet Solution Private Ltd,Coimbatore, on 17.12.08
- Guest Lecture on “Technical Aptitude in C++ and Java “ Mr.Srinivas NIIT,Coimbatore, on 05.02.09
- Workshop on “Managing Oracle Database” Mr.V.Sureshkumar, KGISL,Oracle 30.03.09
- Guest Lecture on “DotNet and Middleware Technologies” Mr.Harirajan, TCS, Chennai, on 23.07.09
- Guest Lecture on “Software Testing principles and tools”, Mr.Santhosh, Cegonsoft Pvt Ltd,Coimbatore, on 05.08.09.
- Guest Lecture on “Tech Talk-Preparing for interviews”, Mr.D.Santhosh, IMS,Coimbatore, on 07.08.09
- Guest Lecture on “Aptitude preparation” , Mr.Senthil Kumar, PT Education,Coimbatore, on 10.08.09
- Guest Lecture on “Career opportunities in multimedia”, Mr.Seetharaman, CEO, Campus images, Coimbatore, on 24.08.09
- Guest Lecture on “Developing web application with PHP/MySQL”, Ms Vidhya and Technical team, Nimis Education,coimbatore. on 29.08.09
- Guest Lecture on “Effective Communication for overcoming fear”, Mr.Prince, Professor, school of management, SKCET, Coimbatore, on 31.08.09
- Guest Lecture on “Effective communication in Today’s business” Mr.Anantha Hariharan, Managing director, Career Ladder consultancy, Coimbatore, on 09.09.09.
- Guest Lecture on “RDBMS and Open Source”, Ms.Aruna Mani, Head,Corporate training Division, KGISL, Coimbatore, on 15.09.09
- Guest Lecture on “Open Source-Learning Management system”, Mr.Harirajan, TCS, on 19.09.09
- Guest Lecture on “Network Security and its Issues”, Mr.Pradeesh Babu, Senior Technical Support Engineer,Cambridge Solutions Pvt Ltd,Bangalore, on 22.09.09

- Guest Lecture on “Personality Development Programme”, Mr.Durai, Trainer, IMS Learning Resource Pvt Ltd, Coimbatore, 30.10.09 & 31.10.09
- Guest Lecture on “Aptitude Training”, Mr.Karthick, Trainer,Time Aptitude Training Center ,on 02.02.10
- Guest Lecture on “Out of the box Thinking”, Mr.Ramanathan ,Director, SOM, SKCET, Coimbatore, on 11.02.10.
- Workshop on “Linux Administration and Virtualization”, Ms.Renuga Devi, RHCSS Certified Trainer,Mazenet Solutions Pvt Ltd,Coimbatore, on 12.02.10
- Guest Lecture on “PHP and Joomla”, Ms.Kalaivani.R, Ms.Barani.R Corporate Trainers, IIST,Coimbatore, on 17.02.10.
- Guest Lecture on “Interview preparation”, Mr.Vinod, BPO Outfit Director, IMS Learning Center,Coimbatore, on 26.03.10
- Workshop on “Developing Web Applications with PHP/MySQL”, Ms.Vidhya and Ms.Farzana Chief Technical Officer,Nimis Education,Coimbatore ,on 27.03.10
- Guest Lecture on “Motivation”, Ms.Rajitha, Center Head,PT Education Pvt Ltd,Coimbatore, on 01.04.10
- Guest Lecture on “Career Planning in IT”, Mr.K.P.GobaKumar, Director, IIIIT,Coimbatore 29.04.10
- Workshop on “Managing Oracle Databases”, Mr.Prakashm and Mr.Subhash, Database Administrator, Marketing Executive,KGISL Pvt Ltd,Coimbatore, on 11.05.10
- Guest Lecture on “Software Testing and Open sources”, Ms.Hemashree, Indian Institute of software testing, Coimbatore, on 02.07.10
- Guest Lecture on “Soft skill training”, Mr.Anantha Hariharan, Director,career ladder consultancy Pvt Ltd Coimbatore, on 23.07.10
- Guest Lecture on “Interview preparation and improving soft skills”, Mr Senthil Kumar, Senior Manager,PT Education,Coimbatore, on 26.07.10
- Guest Lecture on “Body Language and Interview Tips”, Mr.IIankavi G.Pandian ,Director, ACCEL Academy, Coimbatore, on 03.08.10
- Seminar on “Nuances of Oral Communication in English”, Mr.Lokanantha Guptha, English Language Skill Developer, Vasavi academy of excellence, Coimbatore, on 06.08.10
- Guest Lecture on “Basic Networking and Devices”, Mr.Vishnu, Mr.Marco, Mazenet solutions Pvt Ltd, Coimbatore, on 11.08.10
- Guest Lecture on “Placement in IT” Mr.BalaMurugan, Manager ACCNET solutions, Coimbatore, 12.08.10

- Guest Lecture on “Recent trends in Networking”, Mr.Naveen K Lakshman, Founder/Network Consultant, Core network solutions,on 03.09.10
- Guest Lecture on “Cross culture in body language”, Mr.Jega Jeevan, Asst Professor, MBA dept,PSG IMS, 22.09.10
- Seminar on “Software Testing”, Mr.Vishnu & Team, Technical center head, QAI Bangalore, Mazenet solutions, on 14.12.10
- Guest Lecture on “Soft Skill Training”, Ms. Rajitha, Center head, FACE Training institute, Coimbatore, on 08.01.11
- Guest Lecture on “How to face interviews” Mr. BalaMurugan, Manager, ACCNET solutions, on 08.01.11
- Workshop on “Soft Testing and Tools”, Ms.Kalaivani, Director, T&D Arts solutions pvt ltd, Coimbatore, on 08.01.11
- Guest Lecture on “Career Opportunities in Software Testing”, Mr. Pradeep, Chennavaihula,CEO, Edista Testing institute, Bangalore, on 20.01.11
- Guest Lecture on “ Motivation”, Dr. R. Natarajan, HOD, Dept of Mathematics and Computer Applications, P.S.G College of Technology, on 21.01.11
- Guest Lecturer on “Organizational Behavior and personality development” , Mr.Karthikeyan ,Center Manager, N2K solutions, Coimbatore, on 28.06.11
- Guest Lecturer on “Multimedia Systems and IPhone application” Mr.Karthikeyaraja, K.N ATOM Systems, Coimbatore, on 6.07.11.
- Guest Lecturer on “Net Framework Fundamentals” Ms.Chethana.N, Magaer, Mazenet solutions, Coimbatore, on 13.07.11
- Guest Lecturer on “Application of NLP”, Mr.Biju.N , 365 media(p) ltd, Coimbatore, on 9.07.11
- Guest Lecturer on “Open source tool” Mr.S.Sreejith 365 media(p) ltd, Coimbatore, on 9.07.11
- Workshop on “ADO.NET and Web services”, Mr.Gnanprabakar.S TCS, Coimbatore, on 23.07.11
- Guest Lecturer on “Emerging Technologies”, Mr.Kesavan, Manager, Tata CMC, Coimbatore, on 13.8.11
- Guest Lecturer on “Microprocessor and Interfacing” , Mr.K.Sambath, HOD, Dept of Electronics and communication, Sri Krishna Arts and science college, Coimbatore, 13.8.11
- Guest Lecturer on “ Call center technologies” Mr.Karthik, Managing Director, ARK Technologies, Coimbatore, on 20.8.11

- Guest Lecturer on “Innovative in Multimedia“, Mr.Seetharaman.N, Managing Director, Campus Image solutions, on 20.8.11
- Guest Lecturer on “PC Testing and Troubleshooting” Mr.Karthick, Ryu Technologies, Coimbatore, on 27.8.11
- One day workshop on “Technical Aptitude on C and C++“, Mr.Umeesh Technical Lead, NIIT PVT,ltd, Coimbatore, on 27.8.11
- Guest Lecturer on “Human Resource management-Interview Skills“, Mr.Balamurugan, HR manager, Slash Support, on 27.8.11
- Mock Interview , Mr.Antony HR manager, ARK Technologies on 30.8.11
- Workshop on “Rapid Application Development“, Mr.Ravikumar, Team lead, IBM Chennai, on 10.9.11
- Guest Lecturer on “SQL Fundamentals“, Ms.Devisubha, DBA ,NIIT (P) Ltd., Coimbatore, on 26.09.11
- Seminar on “Aptitude Training” Mr.Karthick, Trainer, Time Aptitude Training Center on 02.02.10
- Guest Lecture on “Out of the box Thinking” Mr.Ramanathan, Director, SOM SKCET, Coimbatore on 11.02.10
- Guest Lecture on “PHP and Joomla” Ms. Kalaivani.R , Ms.Barani.R Corporate Trainers IIST, Coimbatore on 17.2.10
- Workshop on “Interview Preparation” Mr.Vinod, BPO Outfit Director IMS Learning Center Coimbatore on 26.3.10
- One Day Workshop “Developing Web Applications with PHP/MySQL” Ms.Vidhya and Ms.Farzana Chief Technical Officer Nimis Education, Coimbatore on 27.03.10
- Seminar on “Motivation “ Ms.Rajitha, Center Head PT Education Pvt Ltd, Coimbatore on 01.04.10
- Guest Lecture on “ Career Planning in IT” Mr.K.P.GobaKumar Director IIIIT, Coimbatore on 29.04.10
- Guest Lecture, Valedictory Function “Managing Oracle Databases” Mr.Prakashm Database Administrator, Mr.Subhash, Marketing Executive KGISL Pvt Ltd Coimbatore on 11.05.10
- Guest Lecture on“ Software Testing and Open Sources” Ms.Hemashree, Director Indian Institute of Software Testing, Coimbatore on 02.07.10
- One Day Workshop “Soft Skill Training” Mr.Anantha Hariharan Director, Career Ladder Consultancy Pvt Ltd, Coimbatore on 23.07.10

- Guest Lecture on “Interview Preparation and Improving Soft Skills” Mr.Senthil Kumar, Senior Manager PT Education, Coimbatore on 26.07.10
- Workshop on “Body Language and Interview Tips” Mr.“ILANKAVI”. G.Pandian, Director ACCEL Academy Coimbatore on 03.08.10
- Workshop on “Nuances of Oral communication in English ‘Mr.R.Lokanatha Guptha, English Language Skill Developer Vasavi Academy of Excellence, Coimbatore on 06.08.10.
- Workshop on “Basic Networking and Devices” Mr.Vishnu, Center Incharge and Mr.Marco Vezanio, CCNA Certified Professional, Trainer, Mazenet Solutions Pvt Ltd Coimbatore on 11.08.10
- Guest Lecture on “ Placement in IT” Mr.Bala Murugan, Manager, ACCNET Solutions Coimbatore on 12.08.10
- Guest Lecture “ Recent Trends in Networking “ Mr. Naveen K Lakshman, Founder/Network & Interoperability Consultant Core Networks Learning Center, Coimbatore on 03.09.10
- Guest Lecture on “Cross Culture in Body Language” Mr. Jega Jeevan, Asst Professor, MBA Dept, PSG IMS Coimbatore on 22.09.10
- Workshop on “Soft Skill Training” Ms.Rajitha Center Head FACE Training Institute, Coimbatore on 8.1.11
- Workshop on “ How to face Interviews “ Mr.BalaMurugan, Manager ACCENET Solutions Coimbatore on 8.1.11
- Workshop on “Software Testing and Tools “ Ms.Kalaivani, Director T&D Arts Solutions Pvt Ltd, Coimbatore on 8.1.11
- Guest Lecture on ‘Career Opportunities In Software Testing “ Mr.Pradeep Chennavaihula, CEO, Edista Testing Institute, Bangalore on 20.1.11
- Guest Lecture on ‘ Motivation ‘ Dr.R.Natarajan, HOD, Dept Of Mathematics And Computer Applications, PSG College Of Technology, Coimbatore on 21.1.11
- Seminar on ‘Cold Fusion Mark up Framework’ Mr.Vinoth, Technical Head CGVAK, Coimbatore on 28.1.11
- Guest Lecture on ‘ Goal Setting, Attitude, Time Management” Mr.Ramakrishnan, Chief Coordinator Silver Tongue, Training And Placement Company on 29.1.11
- Guest Lecture on ‘Motivation Theories “ Mr.D.Aravind, Senior Executive HR KG Information Systems Private Limited, Coimbatore on 8.2.11
- One Day Workshop on “ J2EE Components “ Ms.A.Sathya Technical Coordinator N2K Computer Education, Coimbatore on 9.2.11
- Guest Lecture on “ J2EE “ Ms.Kavitha, Senior Technical Consultant NIIT, Coimbatore on 11.2.11



- Seminar on 'Demo on J2EE Concepts' Mr.M.BalaMuralee Krishnan, Software Engineer, Tata Consultancy Services, Chennai, on 14.3.11
- Workshop on 'Soft Skill Training Ms.Rajitha, Center Head, FACE Training Institute, Coimbatore, on 29.3.11
- Guest Lecture on "SQL Fundamentals", Ms.Devisubha, DBA NIIT(P) Ltd, Coimbatore, on 29.09.11
- Guest Lecture on "Tally " Mr.Jaisankar.S, Assistant Professor Dept. MBA, Sri Krishna College of Engineering and Technology, on 18.10.11
- Guest Lecture on "Android and its Application " Mr.Ravi Chandran, Developer. Tata Consultancy Service, Chennai, on 12.11.11
- Guest Lecture on " J2EE,J2ME, & PHP " Mr.KiranKrishna, Manager Cegonsoft Ltd, Coimbatore, on 24.12.11
- Guest Lecture on "Software testing Methodologies & Tools" Mr.K.Sailash Prabhas, Business Processing and Ream Leader, on 20.01.12 ADP (P) Ltd, Hyderabad
- Guest Lecture on " VB.Net" Mr.Shahulluddin, Team Leader Cegon Software, Coimbatore, on 21.01.12
- Guest Lecture on " Network Security Issues" Mr.Munish, Project Manager, Cybersec (P) Ltd, Coimbatore, on 28.01.12
- Guest Lecture on " Java Fundamentals "Ms.Sangeetha Menon, Project Manager, Devas Technologies, Coimbatore, on 15.02.12
- Guest Lecture on " Advanced Java Technologies " Mr.Kannimuthu , Assistant Professor, Dept of IT, SKCET, on 16.02.12
- Workshop on "Microprocessor & Interfacing Embedded Systems " Mr.Sivaraj , Assistant Professor, PSG College of Technology, Coimbatore, on 10.03.12
- Seminar on "Mock Interview " Technical Managers & HR Managers, SMART Technologies, on 10.03.12
- Guest Lecture on " Mobile Technologies " Mr.Sridhar CEO Chetar Software Service Ltd, on 10.03.12
- Guest Lecture on " Oracle DBA "Mr.Vaishak Nair, Developer, ORACLE - Bangalore, on 10.03.12
- Guest Lecture on " How to face Interview" Mr.Balamurugan, CEO, ACCNET - Coimbatore, on 24.03.12
- Guest Lecture on " Open Source Computing" Mrs.Hemasree, Technical Consultant, FAT Infotech Inc, on 14.06.2012

- Guest Lecture on “Mock Aptitude Test Assessment “ Mr.Senthil CEO, Smart Technologies , on 21.07.2012
- Guest Lecture on “ Advance Java-J2EE “ Ms.Vidya, Programmer, NIMIS India Pvt Ltd, on 23.07.2012
- Guest Lecture on “ Database Management System “ Ms.Latha Maheswari, Assistant Professor, Department of CSE, SKCET, on 27.07.2012
- Guest Lecture on “ VB.Net & ASP.Net “ Ms.Manokari, Programmer, NDOT Solutions, on 13.08.2012
- Guest Lecture on “Multimedia Tools” Ms.Chitra Assistant Professor, Amritha University, 11.08.2012
- Guest Lecture on “Web Technologies” Mr.Hari Prasad , Managing Director DIIT & Daze Technologies, on 25.08.2012
- Guest Lecture on “ SET IT & GET IT “ Mr.Balamurugan ,Managing Director, ACENET, on 30.08.2012
- Guest Lecture on “ Computer Network Concepts Mr.T.Senthinathan Assistant Professor , Department of IT, SKCET, on 30.08.2012
- Guest Lecture on “ Cloud Computing” Mrs.Vijaya, Programmer, NIIT, Coimbatore, 03.09.2012
- Guest Lecture on “Project Metrics” Mr.R.Kamalanathan, Project Manager, CTS, USA, on 15.09.2012
- Guest Lecture on “ Next Generation IT Learning Solution “ Mr.Kalirajan Panchalingam Founder & Senior Software Architect, Shandi InfoTech Pte Ltd, Singapore, on 22.09.2012
- Guest Lecture on “ Programming in C “Mrs.Yamuna Trainer & Programmer, NIIT, Coimbatore, on 28.09.2012
- Guest Lecture on “ Mobile Platform” Mr. Arun Sivanandham Corporate Trainer, Infosys, Mysore, on 06.10.2012
- Guest Lecture on “ Effective Communication Skills in today’s Business “ Mr. Anantha Hariharan, Managing Director, Career Ladder Consultancy, Coimbatore, on 13.10.2012
- Workshop on “ ERP Application using ASP.NET” Mr.Shankar , Technical Trainer, Prime technologies, Coimbatore, on 20.10.2012
- Guest Lecture on “ Network Security & Ethical Hacking “ Mr. Siva Kumar , Subject Expertise, Appin Technology Lab, Coimbatore, on 02.11.2012
- Guest Lecture on “ A Review on C & C++ “ Mr.Prasanna Venkatraman, Project Manager, 4S Software Solutions, Coimbatore, on 15.12.2012

- Guest Lecture on “Java Technology for Real Time Application” Mr.Balamurali Krishna, Project Manager, TCS, Chennai, on 22.12.2012
- Guest Lecture on “Software testing Methodologies & Tools” Mr.K.Sailash Prabhas, Business Processing and Ream Leader ADP (P) Ltd, Hyderabad, on 12.01..2013
- Guest Lecture on “Losing The fear Of Losing “ Mr.Aasish Shah Center Head , Appin solutions Coimbatore, on 12.01.2013
- Guest Lecture on “ Multimedia and its application “ Mrs.Santhanalakshmi , Amritha university Coimbatore, on 12.01.2013
- Guest Lecture on “ How to improve the communication skills “ Dr. Chakaravarthy , Government arts College, Dindugal, on 18.01.2013
- Workshop on “ VB.Net “Mr.Shahulluddin, Team Leader Cegon Software, Coimbatore, on 18.01.2013
- Guest Lecture on “Awareness on employability skills and career opportunities for Graduates” Mr.Prasanna GET SET GO Coimbatore, on 09.02.13
- Guest Lecture on “ Embedded System “ Mr.sivaraj , PSG College of technology, Coimbatore, on 23.02.2013
- Guest Lecture on “Java Enterprise edition “, Mr.Jagadeesh NIIT, Coimbatore, on 21.03.2013
- Guest Lecture on “ Resume Preparation “ Mr.Aasish Shah, Center Head , Appin solutions Coimbatore, on 19.04.13
- Guest Lecture on “ Java Programming - Placement Oriented “, Mr.Thirumoorthy, Programmer, Mazenet, Coimbatore, on 04.07.13
- Guest Lecture on “Database Management System - ORACLE” Mr.K.PradeepKumar, DBA, KGISL, Coimbatore, on 08.07.13
- Guest Lecture on “ Collections and Data Structures in Java - Placement Oriented “Ms.Suganya, Programmer Krishna Infotech Coimbatore, on 13.07.13
- Guest Lecture on “Software Testing and Test cases “ Mr.Ganapathy, Software Tester, CTS Coimbatore, on 22.07.13
- Guest Lecture on “ Linux Open source “ Mr.Sachin Naik , RED HAT ENTERPRISES, Mumbai, on 24.07.13
- Mock Interview by CTS Professionals , CTS Coimbatore, on 26.07.13
- Guest Lecture on “Web Technology” Ms.Kavitha, Programmer , NIIT, Coimbatore, on 05.08.2013
- Guest Lecture on “How to improve Communication Skill” Mr.Gowatham, Trainer, Actiiza systems, Coimbatore, on 12.08.2013

- Guest Lecture on “Networking – Introduction about CCNA Certification” Mr.Raj Prakash Territory Head, NIIT on 13.08.2013
- Workshop on “ Open Source Computing “ Mr.Sabarinathan Muthu, Director Poras Solution Coimbatore, on 24.08.2013
- Guest Lecture on “Fundamentals of IPV4 and IPV6 “ Mr.R.Harish, System Administrator, M SQUARE DIGITAL INFO INDIA, Coimbatore, 02.09.2013
- Guest Lecture on “Social Network and Website Creation” Mr.Madhan, Programmer, ORACLE ,Bangalore, on 05.09.2013
- Guest Lecture on “ Setting and Achieving Your Goal” Mr.Balamurugan, Director, Acenet, Coimbatore, on 11.09.2013
- Guest Lecture on “ Technical C and C++ Aptitude” Mr. Balamurugan and team, Managing Director, ACENET, Coimbatore, on 19-09-2013
- Workshop on “Technical C and C++ Aptitude “ Mr. Shridhar ACENET, Coimbatore, on 21-09-2013
- Guest Lecture on “Business Process Re Engineering Technical English “Dr.S.Jaisankar and Ms.Nisha Assistant Professor, Dept of Business Administration, Assistant Professor, Dept of Science and Humanities on 03-12-2013.
- Guest Lecture on “Applications of Cloud Computing “ Mr. Sowripandiyan, Programmer , ICS IT Education on 10-01-2014
- Guest Lecture on “ Software Testing & PHP” Mr. Senthil Kumar and his team Territory Head HP, Bangalore, on 12.02.2014
- Guest Lecture on “ Java fundamentals and Aptitude “ Ms.Kavitha and Ms.Savithiri Faculty, NIIT, Coimbatore, on 13.02.2014
- Guest Lecture on “ Managing Global Business “ Ms.Lakshmi.S Assistant Professor SKCET,Coimbatore on 22.02.2014
- Guest Lecture on “ C Aptitude “ Alumini Students of MCA SKCET, Coimbatore on 08.03.2014
- Guest Lecture on “ Wellness and Longevity” Dr.Perummal Vision Director, Alliyar Arivuthirukoil, Pollachi, on 13.03.2014
- Guest Lecture on “Mock Interview” Mr.Vidyasagar Technical Consultant, DCUBE Tech Pvt Ltd, Coimbatore on 22.03.2014

### **Guest Lecturer Given**

1. Participated as resource person for One Day Work Shop on “Visual Programming “at SRIT, Coimbatore during August 2006.

2. Given an Guest Lecture on “ Programming in MFC”, At Coimbatore Institute of Technology, during March , 2008

### **Consultancy Projects**

1. A consultancy project on Inventory Management system for Rs.70,000 was implemented for Patteswarar Rice Mundy, Kunimauthur, Chelliah Stores, Kuniyamuthur and Thirunavukarasu Arisi Mundy, Singanallur post, Coimbatore.
2. Implemented an in house project regarding staff requirement application through on line for Sri Krishna Intuitions.

### **Awards**

1. Dedicated Faculty Award (2009 - 10, 2010 - 2011)
2. Received Certification of Appreciation for centum result in the subject for continuously.

### **Professional Services**

<b>Nature of Work</b>	<b>University/College</b>
Recognized Research Supervisor	Anna University, Bharathiar University
Convenor for BOS for Applied Sciences	Anna University of Technology, Coimbatore
University Nominee BOS for MCA	Sri Ramakrishna Engineering College, Coimbatore
University Nominee BOS for MCA	Kumaraguru College of Engineering and Technology, Coimbatore
Chairman for MCA BOS	Sri Krishna College of Engineering and Technology

### Reviewer/Editorship

1. Reviewer for the International Journal of Software Engineering and Knowledge Engineering, World Scientific, Publications.
2. Chief Editor for MCA SPEAK Department News Letter from 2008 onwards.

### Professional Membership

- Life time Member in ISTE from 2009 onwards

### Additional Responsibility

1. HOD From Oct 2008 onwards
2. Hostel Warden (June 2008 to June 2014)
3. Chief Superintendent for University Examinations
4. Placement Coordinator
5. Project Coordinator
6. Discipline committee Member
7. MCA Speak - Department Magazine Chief Editor
8. Member - Panel of Question Paper Setters/External Examiner(Theory/Practical's) of Various Autonomous Colleges and other Universities
9. Member - College Website Team
10. Additional Chief Superintendent - TAMILNADU TEACHERS EDUCATION UNIVERSITY, Chennai (B.Ed/M.Ed Degree Examinations April May 2018 & April/ May 2019)
11. SWAYAM Menter
12. Additional Chief Superintendent -TNPSC Group II- Exam May 2019
13. Updation Officer - TNEA 2019 Admissions (TFC 21- Chikkanna Government Arts College)

### **Faculty Development Programs Attended :**

Course	University/Institute	Subject	Period
Orientation	Bharathiar		16-12-2016 to 12-01-2017
Refresher Course	Bharathiar	Computer Science	UGC Sponsored Refresher Course in Computer Science - Conducted by UGC - HRDC - Bharathiar

			University - 2017( 17.11.2017 - 07.12.2017) (21 Days)
Refresher Course	Bharathiar	Computer Applications	UGC Sponsored Refresher Course in Computer Applications(ID) - Conducted by UGC - HRDC - Bharathiar University - 2019 ( 12.09.2019 - 25.09.2019) (14 Days)

### Academic Activities

:

- i) **Subject Handled** : **Computer Science Subjects (UG/PG)**
- ii) **Class Advisor** : **UG**
- iii) **Special Coaching** : **Remedial classes for weak students**
- iv) **Student Community Beneficial Activities** : **Remedial Classes**
- v) **Co-curricular and extracurricular activities**

### Professional Activities

- i) **Examiner/Scrutiny** : **Bharathiar University Examinations and affiliated colleges**
- ii) **Question Paper Setting** : **Panel of Question Paper Setters/External Examiner(Theory/Practicals) of Various Autonomous Colleges and other Universities**

### Journal Publications

1. S. Duraisamy and E Ramaraj (2007) "Design Optimization Metrics for UML Based Object Oriented Systems" Published in the *International Journal of Software Engineering and Knowledge Engineering*, in Vol. 17, No. 3, June 2007, pages 423 - 448., World Scientific Publications <https://www.worldscientific.com/doi/abs/10.1142/S0218194007003252>
2. S. Duraisamy and E Ramaraj (2007) "Reverse Engineering Metrics for Changing Object Oriented System" published in the *International Journal of Computer Science and Systems Analysis*, Vol. 1, No.2, July - December 2007, pages 65-84, Serial Publications.
3. Duraisamy, M & Duraisamy, S(2013), 'A Technique for Tumor Region Identification Using Cellular Neural Network', *Journal of Theoretical and Applied Information Technology*, vol.55, no.1 ISSN: 1992-8645. [http://www.jatit.org/volumes/fiftyfifth\\_1\\_2013.php](http://www.jatit.org/volumes/fiftyfifth_1_2013.php)

4. Duraisamy, M & Duraisamy, S(2012), 'CNN-Based Approach for Segmentation of Brain and Lung MRI Images', European Journal of Scientific Research, vol.81, no.3, pp.298-313, ISSN 1450-216X, [https://www.researchgate.net/publication/267726556\\_CNN- Based Approach for Segmentation of Brain and Lung MRI Images](https://www.researchgate.net/publication/267726556_CNN- Based Approach for Segmentation of Brain and Lung MRI Images)
5. M.Manikantan and Dr.S.Duraisamy (2014), Clustering of web query results using enhanced k-means algorithm", International Journal of Advanced Computer Technology,3(5),10-14.
6. M.Manikantan and Dr.S.Duraisamy (2014), Web Query Processing Approaches- A Survey and Comparison. International Journal of Computer Applications,85(12),17-30.
7. M.Manikantan and Dr.S.Duraisamy (2013), Improving Web Query Process using Context Cyclic Method.Journal of Theoretical and Applied Information Technology,57(3),559-568.
8. K Pradeepa .,W Regis anne , S Duraisamy, "Utilising multiple mobile sinks to improve wireless sensor network lifetime", *International Journal of Mobile Netowrk Design and Innovations*- Inderscience Publications Vol.5,No.1,2014.
9. K Pradeepa .,W Regis anne , S Duraisamy, "Design and Implementation Issues of Clustering in Wireless Sensor Networks" , *International Journal of Computer Applications* – June 2012 edition

### **Journal Publications**

1. **Suganthi, V** & Duraisamy, S 2014, "Qualitative Assessment of Open Source Software- A Survey Study", Journal of Management and Science, Non Olympic Times,vol. 7, no. 16.
2. **B.Suchitra**, Dr. S. Duraisamy, " A Study and Analysis of Web Content Mining: Techniques,Tools and Semi Structured Data", Recent Trends in Data Mining and Image Processing,International Symposium on Research Innovation for Quality Improvement in Higher Education", Bharathiar University, 2014
3. **Rajkumar, N**, Viji,S Duraisamy, 2015, 'Prediction of Fault-Prone Classes Using the UML Class Diagram', Advances in Natural and Applied Sciences, ISSN 1995-0772, 2015 Special vol. 9, no. 17, pp. 79-85 (Annexure-II, IF=NA). <https://link.springer.com/article/10.1007/s10586-018-1923-7>
4. **M.Manikantan** and Dr.S.Duraisamy (2015), "Efficient Clustering of Web Search Results Using Enhanced Lingo Algorithm", Research Journal of Applied Sciences, Engineering and Technology, 9(5), 359- 364. <https://www.researchgate.net/>



[publication/282071300 Efficient Clustering of Web Search Results Using Enhanced Lingo Algorithm](#)

5. Prabu, P & Duraisamy, S 2015, "Impact of Pair Programming for Effective Software Development Process", Research India Publications, International Journal of Applied Engineering Research, vol.10, no.8, pp.18969-18986. [Annexure II], [https://www.researchgate.net/publication/282179548\\_Impact\\_of\\_pair\\_programming\\_for\\_effective\\_software\\_development\\_process](https://www.researchgate.net/publication/282179548_Impact_of_pair_programming_for_effective_software_development_process).
6. Prabu, P & Duraisamy, S 2015, "The Impact of CPPM Model and Metaphor on Pair Programming", Maxwell Publications, Research Journal of Applied Sciences, Engineering and Technology. [Acceptance for Publication, Annexure II]
7. Prabu, P & Duraisamy, S 2015, "Reducing Defects in Software Development Process using Pair Programming", International Journal of Computer Science and Communication Networks, vol.5, no.2, pp. 128-135. <https://www.semanticscholar.org/paper/Reducing-Defects-in-Software-Development-Process-Prabu-Duraisamy/0f93a0c54582b9a26131049d45a6968a4aa90584>
8. Prabu, P & Duraisamy, S 2015, "An Effective Approach to improve the Quality of Pair Programming using Conglomeration Pair Programming Model", Research India Publications, International Journal of Applied Engineering Research
9. **Sivakumar, R** & Duraisamy, S 2015, 'A Novel and Efficient Hybrid Authenticated Trust Mechanism for Clustered Wireless Sensor Network', International Journal of Applied Engineering Research, vol.10, no. 12, pp. 32663-32679. [Annexure - II]. [https://www.idosi.org/mejsr/mejsr24\(3\)16/33.pdf](https://www.idosi.org/mejsr/mejsr24(3)16/33.pdf)
10. **Sivakumar, R** & Duraisamy, S 2015, 'Designing a Novel Framework of Load Balancing Cluster with Target Coverage Problem and Trust Evaluation for Military Wireless Sensor Networks', International Journal of Advances in Engineering and Emerging Technology (IJAET), vol. 7, no. 9, pp. 597-614. <http://erlibrary.org/abstract.php?journalname=1&archiveid=253&action=fulltext>
11. **Suganthi, V** & Duraisamy, S 2015, "An Efficient Method for Quality Estimation in Open Source Software Using Improved Particle Swarm Optimization", International Journal Of Applied Engineering Research, Research India Publications, vol. 10, no. 1. [https://www.researchgate.net/publication/283778906\\_An\\_efficient\\_method\\_for\\_quality\\_estimation\\_in\\_open\\_sourcesoftware\\_using\\_improved\\_particle\\_swarm\\_optimization](https://www.researchgate.net/publication/283778906_An_efficient_method_for_quality_estimation_in_open_sourcesoftware_using_improved_particle_swarm_optimization)
12. **Manimaran, M** & Duraisamy, S 2015, 'Performance Analysis of Mobility Management in IEEE 802.21 Based Handover Techniques Using NS2', Middle-

East Journal of Scientific Research. ISSN 1990-9233: EISSN: 1999-8147, vol.23, no.12, pp.2855-2861(Annexure II).

13. **Manimaran, M** & Duraisamy, S 2015, 'Performance Analysis of Dynamic Routing Protocols Using Random Waypoint Model For Manetin NS2', International Journal of Applied Engineering Research (IJAER). ISSN 0973-4562, vol.10, no.17, pp.37813-37816 (Annexure II)
14. **Viji, C** and Duraisamy, 2015, 'Prediction of Fault-Prone Classes Using the UML Class Diagram', Advances in Natural and Applied Sciences, ISSN 1995-0772, 2015 Special vol. 9, no. 17, pp. 79-85 (Annexure-II, IF=NA).
15. **Devasenpathy, K** & Duraisamy, S 2015, 'Foreword of Computer Based Techniques in Educational Data Mining and Applying Data Mining Methods in Traditional Educational System', International Journal of Applied Engineering Research 2015; vol.10,no. 21, pp.20375- 20381.
16. **Rajkumar, N**, Viji, C Duraisamy, 2016, 'Measuring Cohesion and Coupling in Object Oriented System Using Java Reflection, ARPN Journal of Engineering and Applied Sciences, ISSN 1819-6608, vol. 10, no. 7, April 2015, pp. 3096-3101 (Annexure-II,IF=0.76). [https://pdfs.semanticscholar.org/b9d8/502ab44a2d85de8a58\\_5fd53a60dfcf3b2fd2.pdf](https://pdfs.semanticscholar.org/b9d8/502ab44a2d85de8a58_5fd53a60dfcf3b2fd2.pdf)

## **2016**

17. **Sivakumar, R** & Duraisamy, S 2016, 'A Novel Improved Hybrid Authenticated Trust Systems with Fuzzy Logic for Trust Evaluation in Military Wireless Sensor Networks', Middle-East Journal of Scientific Research, vol. 24, no. 3, pp. 705-711. [Annexure - II]. <http://www.i-scholar.in/index.php/MEJSR/article/view/110163>
18. **Suganthi, V** & Duraisamy, S 2016, "Estimation of Software Quality based on Software Metrics Using Modified Cuckoo Search Optimization Algorithm", Asian Journal of Information Technology, vol. 15, no. 20, pp. 4063- 4070, ISSN:1682-3915(Annexure-I). <https://medwelljournals.com/abstract/?doi=ajit.2016.4063.4070>
19. **Latha Maheswari, T**, Irfan Ahamed, MS & Duraisamy, S 2016, 'Design Assessment Indicator for Object Oriented Software', Asian Journal of Research in Social Sciences and Humanities , vol. 6, no. 10, pp. 2153-2172, ISSN 2249-7315 [Annexure-I]. IF- 0.67.

20. Pradeepa K ., Duraisamy S, "Energy Efficient Positioning of Mobile Base Stations to Improve Wireless Sensor Network Lifetime", International Journal of Sensor Networks, -Inderscience Publications vol. 20, no. 2, pp., 2016, <https://dl.acm.org/citation.cfm?id=2894166>
21. **Rajkumar, N**, Viji, C Duraisamy, 2016, 'Fault Prediction of Object Oriented Design Using A Hybrid Anfis Prediction Model', International Journal of Advanced Engineering Technology E ISSN 0976-3945, vol. 7, no. 3, pp. 179-183. (Annexure-I,IF=1.77). <https://pdfs.semanticscholar.org/2185/357efc39ce6fe735e73235602f3153f16e5d.pdf>
22. **Rajkumar, N**, Viji, C Duraisamy, 2016, 'An Empirical Approach for Complexity Reduction and Fault Prediction for Software Quality Attribute', International Journal of Business Intelligence and Data Mining, ISSN online: 1743-8195. vol. 13, no. 1/2/3, Jan 2018, pp. 177-187 (Annexure-I, IF=0.67). <http://www.inderscience.com/storage/f461105119122387.pdf>
23. **Viji, C** and Duraisamy, 2016, 'An Empirical Approach For Complexity Reduction and Fault Prediction for Software Quality Attribute', International Journal of Business Intelligence and Data Mining, ISSN online: 1743-8195. vol. 13, no. 1/2/3 , Jan 2018, pp. 177-187 (Annexure-I,IF=0.67).
24. **Devasenpathy, K** & Duraisamy, S 2016,'Performance Analysis of Teaching Assistant Using Decision Tree Classification Algorithm', Asian Journal of Information Technology 2016; vol.15,no. 19, pp.3820- 3825.
25. **S. Beula Princy** , Dr.S.Duraisamy. Analysis of Retinal Images Using Detection of the Blood Vessels by Optic Disc and Optic Cup Segmentation Method. International Scientific Journal on Science Engineering & Technology Vo1ume 19, No. 02, March 2016.
26. **S. Beula Princy** , Dr.S.Duraisamy. A Comparative Study of Different Algorithms for Detection and Segmentation Blood Vessels from Retinal Image. International Journal of Advances in Engineering and Emerging Technology (IJAEET), Vol. 8, No. 11, December 2016.
27. **T. Premalatha**, Dr. S. Duraisamy, "A State-of-the-Art Literature Survey on Application Layer Protocol of IoT", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 10, October 2016.

**2017**

28. **Vivek, D**, Duraisamy, S & Venkatesa Kumar, V 2017, 'An improved Dynamic Reconfiguration System of Component Based Software Systems with the Consideration of QOS Parameters Prediction', International Journal of Pharma and Bio Sciences Issue. 01, pp. 69-76. Impact Factor : 6.268 (SJIF), 0.36 (RG Journal impact)
29. **Vivek, D**, Duraisamy, S & Venkatesa Kumar, V 2017, 'Adaptability Considered Dynamic Reconfiguration System for Component Based Software System', International Journal of Control Theory and Applications, vol. 10, pp. 239-249.
30. **S. Beula Princy**, Dr.S.Duraisamy. Glow Worm Optimization based ANFIS with Mahalanobis Distance for Effective True Blood Vessel Detection. The SIJ Transactions on Computer Science Engineering & its Applications (CSEA), Vol. 5, No. 2, March 2017.
31. **S. Beula Princy**, Dr.S.Duraisamy. Efficient Segmentation of Blood Vessels and Optical Disc in Retinal Images using Genetic Optimized ANFIS. Journal of Advanced Research in Dynamical and Control Systems, 01 Special Issue, 1 -13, April 2017. (**Scopus Indexed**).
32. **S. Beula Princy**, Dr.S.Duraisamy. An Efficient Segmentation of blood vessels and optical disc in retinal images using Firefly Optimized ANFIS. International Journal of Pharma and Bio Sciences (IJPBS), Special issue SP - 05 "Science and Management", pp. 1010-1024, 2017.
33. **T. Premalatha**, Dr. S. Duraisamy, "A Certificate based Authorization and Protected Application Layer Protocol for IoT", IEEE Conference Publication, 2017 International Conference on Computer Communication and Informatics (ICCCI), 2-5-Jan'2017, DOI:10.1109/ICCCI.2017.8117739.
34. **B.Suchitra**, Dr. S Duraisamy "Semi-structured Data Structured Data Conversion using Data Mining Methods", International Journal Of Emerging Trends in Science and Technology, Vol 4, Issue 10, ISSN:2348-9480,OCT 2017
35. **Latha Maheswari, T**, Irfan Ahamed, MS & Duraisamy, S 2017, 'Quality Assessment System for Object Oriented Structure', Journal of Computational and Theoretical Nanoscience , vol. 14, no. 4, pp. 1993-2014, [Annexure-I]. IF-1.42.

## **2018**

36. **Hameed Ibrahim, S**, Duraisamy, S & Sridevi, U K 2018, 'Flexible and Reliable ERP Project Customization Framework To Improve User Satisfaction Level',

Cluster Computing-The Journal of Networks Software Tools and Applications - Springer, DOI <https://doi.org/10.1007/s10586-017-1664-z>,

37. S. Beula Princy, Dr.S.Duraisamy. Firefly Optimized ANFIS for Segmentation of Blood Vessels and Optical Disc. Accent Journal of Economics Ecology & Engineering (International Journal) UGC Approved No. 48767, Vol.03, Issue 01, January 2018, ISSN -2456-1037.
38. **Helen Josephine V.L** and Dr. S. Duraisamy, "Opinion Mining using Machine Learning Techniques", International Journal for Research in Engineering Application & Management (IJREAM),ISSN : 2454-9150, Vol. 04, Issue - 5, 2018. (UGC Approved)
39. **Helen Josephine V.L** and Dr. S. Duraisamy, "Gain Ratio Feed Forward Neural Network Algorithm to Improve Classification Accuracy", International Journal Engineering & Technology (UAE) (IJET), ISSN : 2227-524X, Vol. 07, Issue - 4, pp.3579-3582, 2018. (Scopus Indexed)
40. **Helen Josephine V.L** and Dr. S. Duraisamy," International Journal of Computing (IJC), ISSN : 2312-5381"Novel Pre-Processing Framework to Improve Classification Accuracy in Opinion Mining, Vol. 17 Issue -4, PP. 234-242, 2018. (Scopus Indexed)
41. **Viji C.**, and S Durisamy "Maintaining Software Requirements Using Frequent Path Mining And Clustering Algorithm for Web Usage Data" in Journal of Web Engineering, Vol. 17, No.6 2018. <http://journalofwebengineering.com/jweonline.php>
42. **C.Viji**, N.Rajkumar, S.Duraisamy, 2018, "Prediction of software fault-prone classes using an unsupervised hybrid SOM algorithm" Cluster Computing (SPRINGER). <https://link.springer.com/article/10.1007/s10586-018-1923-7>
43. **B.Suchitra** and Dr.S.Duraisamy," A Novel Approach for conversion of semi structured to structured data",International Journal on Computer Science and Engineering,Vol.10,No 2, Feb 2018
44. **B.Suchitra** and Dr. S. Duraisamy, "An Analysis and Implication of Data Mining Techniques using Semi Structured Data towards Clinical Datasets", IJSRR,Vol 7, Issue 3,Jul-Sept 2018.
45. **Selladevi M, Duraisamy S**, "Survey paper on various security attacks in mobile ad hoc network", *International Journal of Computer Science and Engineering*, E-ISSN: 2347-2693, Vol. 6(1), pp. 156-160, 2018.(UGC)
46. **Selladevi M, Duraisamy S**, "Simulation based comparative study of routing protocols in mobile ad hoc network", *International Journal for Research in*

*Engineering Application & Management*, ISSN: 2454-9150, Vol. 04(08), pp. 1-7, 2018. (UGC)

47. **Selladevi M, Latha Maheswari T, Duraisamy S**, "Improved secure aware wormhole attack detection in mobile ad-hoc networks", *International Journal of Engineering & Technology*, ISSN: 2227-524X, Vol. 7(4), pp. 3472-3477, 2018. (Scopus indexed)
48. **S. Menaka**, Dr. S. Duraisamy *Journal of Innovative Research and Solutions* , Vol -4 Issue 1, Jan-Jun 2018 , Indexed in DJJI, Google Scholar, Research Gate, CSR, GIF, WIR, ISI, impact 1.546 An Overview of various Routing Protocol of Mobile Adhoc network to improve its performance
49. **M. Amsaveni**, S. Duraisamy, 'Efficient Data Mining Techniques for Big Data Analysis: A Survey' *International Journal of Advanced Research in Computer Science(IJARCS)* Volume 9 Issue (Nov-Dec 2018) (UGC)
50. **K. Kandhammal** and S. Duraisamy, " Review on big data challenges for 4G revolutions." *International Journal of Advanced Research in Computer Science* . Sept/Oct2018, Vol. 10 Issue 5, p51-53. 3p.
51. **R.Shankar** and S.Duraisamy , Security Issues and Challenges in Cloud Computing, *International Journal of Current Trends in Engineering & Research (IJCTER)*, Volume 4 Issue 9, September 2018 pp. 1 - 8
52. **R.Shankar** and S.Duraisamy , Different Service models and Deployment models of Cloud Computing: Challenges, *International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT)*, Volume 3 Issue 7, September 2018 pp. 71 - 78
53. **R.Shankar** and S.Duraisamy , Analysis of Data Mining Tasks, Techniques, Tools, Applications And Trends, *IOSR Journal of Computer Engineering (IOSR-JCE)*, Volume 20, Issue 5, Ver. II (Sep - Oct 2018), PP 12-19
54. **R.Shankar** and S.Duraisamy , Visual Analytics: Need, Process, Scope, Tools & Techniques and Challenges ,*International Journal of Computer Sciences and Engineering(IJCSE)*,Vol.-6, Issue-10, Oct. 2018, pp. 153 - 158
55. **R.Shankar** and S.Duraisamy , IoT Technology is Benefiting Today's Modern Farming Industry ,*International Journal of Computer Sciences and Engineering(IJCSE)*,Vol.-6, Issue-11, pp.727-732, Nov-2018- (IJCSE, ISSN:2347-2693) Impact Factor: 3.022
56. **R.Shankar** and S.Duraisamy , Real-world attacks on zrtip with rsa algorithm using neural network classifier , *Journal of Emerging Technologies and*

Innovative Research (JETIR), Vol.-5, Issue-12, pp.94-101, Dec-2018- ISSN: 2349-5162) Impact Factor: 5.87

57. **Latha Maheswari, T**, Duraisamy, S & Regis Anne, W 2018, 'Reverse Engineering Approach for Object Oriented System in Design Level Perspective ', *International Journal of Pure and Applied Mathematics*, vol. 119, no. 12, pp. 1941-1957

## 2019

58. **T.Premalatha** , S Duraisamy , " Secure communication process in IoT using media gate network transmit protocol with reliable data transport protocol", *International Journal of Internet Technology and Secured Transactions*, Inderscience Publishers (IEL), Vol.-9 Issue-1-2, pp.136-146, 2019
59. **Selladevi M, Latha Maheswari T, Duraisamy S**, "Artificial immune system based improved secure-aware wormhole attack detection in MANET", *International Journal of Recent Technology and Engineering*, ISSN: 2277-3878, Vol. 8(2), pp. 2834-2841, 2019. **(Scopus indexed)**
60. **Selladevi M, Latha Maheswari T, Duraisamy S**, "A hybrid fuzzy logic and artificial immune system against wormhole attacks in MANET", *International journal of engineering and technology*, ISSN (online): 1747-8413, ISSN (print): 1747-8405, Vol. 9(1), pp. 2189-2195, 2019. **(Scopus indexed)**
61. **S.Menaka**, S Duraisamy " An overview of Mobile Ad-hoc Simulation tools, *International Journal of Computer Sciences and Engineering*, Vol.-7 Issue-2, pp.2347-2693, Jan 2019
62. **M. Amsaveni**, S. Duraisamy, ' A Parallel Rough Set Theory For Non-Linear Dimension Reduction In Big Data Analysis. *International journal of Intelligent Engineering and Systems* Vol-12 No 5 pp 170-178 April 2019 **(Scopus Indexed)**
63. **M. Amsaveni**, S. Duraisamy, 'Parallel Semi-Supervised Big Data Clustering based on Map Reduce Technology' *International Journal of Recent Technology and Engineering* pp: 1657- 1664 Vol:8 no- 4 September 2019 **(SCOPUS INDEXED)** accepted and will be appeared in the journal website between 30 November to 05 december. The URL of the Volume/issue is given below: <http://ijrte.org/download/volume-8-issue-4/>. Can verify and sno: 286
64. **M. Amsaveni**, S. Duraisamy, 'Big data Classification based on forest deep neural network *International Journal of Scientific and Technology Research* Vol -8 no-12 pp 3590-3594 Dec 2019 **Scopus indexed**



65. **A. Krishnaveni, R. Shankar, S. Duraisamy** “A Survey on Nature-Inspired Computing (NIC): Algorithms and Challenges” Global Journal of Computer Science and Technology: D Neural & Artificial Intelligence Volume 19 Issue 3 Version 1.0 Year 2019,0975-4172 & Print ISSN: 0975-4350, [https://globaljournals.org/GJCST\\_Volume19/4-A-Survey-on-Nature-Inspired-Computing.pdf](https://globaljournals.org/GJCST_Volume19/4-A-Survey-on-Nature-Inspired-Computing.pdf)
66. **R.Gowri Prakash, R. Shankar & S. Duraisamy**, “Survey on Load Balancing in Cloud Computing” Global Journal of Computer Science and Technology: B Cloud and Distributed Volume 19 Issue 2 Version 1.0 Year 2019 Type: Double Blind Peer Reviewed International Research Journal Publisher: Global Journals Online ISSN: 0975-4172 & Print ISSN: 0975-4350. <https://computerresearch.org/index.php/computer/article/view/1881>

## **2020**

67. Kandhammal K, Duraisamy S, “Fault Detection and Health Management for Machines of Industry 4.0 Using SVM and FTASL-LSTM”, Jour of Adv Research in Dynamical & Control Systems, Vol. 12, 05-Special Issue, 2020. (SCOPUS)
68. M.Sowndharya1, S. Duraisamy2, “ Enhanced Secure Data Sharing in Multi Clouds Environment using Shamir Approach” International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056Volume: 07 Issue: 08 | Aug 2020. (UGC)
69. M. Sowndharya1, S. Duraisamy2, “Cryptography Based Secure Data Sharing In Multi Cloud Environment” International Research Journal of Modernization in Engineering Technology and Science Volume:02/Issue:09/September -2020. (UGC)
70. M.Gayathri, R. Shankar & S. Duraisamy, “Survey Air Pollution Prediction using Data Mining Technique ” International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 8, August 2020 <https://www.irjet.net/volume7-issue8> S.No: 740 e-ISSN: 2395-0056 p-ISSN: 2395-0072 <https://www.irjet.net/archives/V7/i8/IRJET-V7I8740.pdf>
71. M.Gayathri, R. Shankar & S. Duraisamy, “DATA MINING TECHNIQUE USED FOR AIR POLLUTION PREDICTION” International Research Journal of Modernization in Engineering Technology and Science Volume:02/Issue:10/ October -2020 e-ISSN: 2582-5208
72. K.Anandan, R. Shankar & S. Duraisamy,” A REVIEW ON DEEP LEARNING APPROACH TO PREDICT THE SOIL MOISTURE IN AGRICULTURE SECTOR” , JASC: Journal of Applied Science and Computations Volume VII, Issue VI, June/2020 ISSN NO: 1076-5131



73. S. Arulmozhi, R. Shankar and S. Duraisamy A REVIEW: DEEP LEARNING TECHNIQUES FOR IMAGE CLASSIFICATION OF PANCREATIC TUMOR ICTACT JOURNAL ON IMAGE AND VIDEO PROCESSING, AUGUST 2020, VOLUME: 11, ISSUE: 01 DOI: 10.21917/ijivp.2020.0318 ISSN: 0976-9102 (ONLINE)
74. R.GowriPrakash, R.Shankar, S.Duraisamy, “The Impact On Load-Balancing In Cloud Computing”, International Journal of Scientific & Technology Research volume 9, issue 01, january 2020, ISSN 2277-8616, (SCOPUS Indexed).
75. R.GowriPrakash, R.Shankar, S.Duraisamy, “FUPA: Future Utilization Prediction Algorithm based Load Balancing Scheme for Optimal VM Migration in Cloud Computing”, Proceedings of the Fourth International Conference on Inventive Systems and Control (ICISC 2020) IEEE Xplore Part Number: CFP20J06-ART; ISBN: 978-1-7281-2813-9.(SCOPUS Indexed).
76. A.Krishnaveni, R.Shankar, S.Duraisamy, “A Review on various image thresholding methods for mammogram image segmentation”, Compliance engineering journal ISSN NO: 0898-3577 volume 11, Issue: 2 pp. 414-426 (2020) (UGC CARE).
77. A.Krishnaveni, R.Shankar, S.Duraisamy, “An Efficient Methodology for Breast Tumor Segmentation using Duck Traveler Optimization Algorithm”, PalArch’s Journal of Archaeology of Egypt/Egyptology, ISSN NO: 1567-214X Volume 17, Issue 9, pp. 7747-7759, (2020) (SCOPUS Indexed).
78. A.Krishnaveni, R.Shankar, S.Duraisamy, “Duck Cluster Optimization Algorithm with K-Means Clustering for Mammogram Image Segmentation”, Solid State Technology, ISSN NO: 0038-111X Volume 63, Issue 6, pp. 19583-19607, (2020) (SCOPUS Indexed).
79. Krishnaveni Arumugam, Shankar Ramasamy, Duraisamy Subramani, “Improved Duck and Traveler Optimization (IDTO) Algorithm: A Two-way efficient approach for breast tumor segmentation using multilevel thresholding”, European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 7, Issue 10, pp. 3793-3808 (2020) (SCOPUS Indexed)

## 2021

80. Kandhammal K, Duraisamy S, “Survey paper on cyber physical system fault detection using ensemble deep neural network”, Wesleyan journal of research, Vol. 13, No 70, page no 55-65, march 2021.(UGC)

81. Kandhammal K, Duraisamy S, “A Novel ANN and peephole LSTM technique for fault detection and classification system in cps”, Turkish journal of physics. (SCOPUS)
82. Shweta KR, S.Duraisamy, T.Latha Maheswari, “Comparative Analysis of Algorithmic and Machine learning models for Software Cost Estimation: A Survey”, IRJMETS, ISSN 2515-8260 Volume 3, Issue 3, (2021)
83. Shweta K R, S.Duraisamy, T.Latha Maheswari, “Optimized Cost Estimation Model in early stage software- A Review”, Elementary Education Online, ISSN: 1305-3515 Volume 20, Issue 5, (2021) SCOPUS Indexed.
84. R.GowriPrakash, R.Shankar, S.Duraisamy, “Resource Utilization Prediction with multipath traffic routing for congestion-aware VM migration in cloud computing”, Indian Journal of Science and Technology 2021;14(7):636–651, ISSN Print: 0974-6846 Electronic: 0974-5645, (ESCI Indexed).
85. R.GowriPrakash, R.Shankar, S.Duraisamy, “Traffic and Workload-aware VM Consolidation for Optimal VM Migration in Cloud Computing”, International journal of Intelligent and System(INASS) (SCOPUS Indexed)(2021) Accepted
86. R.GowriPrakash, R.Shankar, S.Duraisamy, “Optimized Load-balancing in Cloud Computing based on Traffic and Workload-aware VM Migration”, Journal of Emerging Technologies and Innovative Research - JETIR April 2021, Volume 8, Issue 4, ISSN-2349-5162, (UGC CARE).
87. Krishnaveni Arumugam, Shankar Ramasamy, Duraisamy Subramani, “Binary Duck Traveler Optimization Algorithm for Feature selection in Breast Cancer Dataset Problem”, IOT with Smart Systems - Proceedings of ICTIS 2021, Volume 2 (2021) SPRINGER (SCOPUS Indexed) Accepted.
88. A.Krishnaveni, R.Shankar, S.Duraisamy, “Swarm Intelligence Algorithms with K-Means Clustering for Mammogram Image Segmentation”, IRJMETS, ISSN 2515-8260 Volume 3, Issue 2, pp. 622-630 (2021) (GOOGLE SCHOLAR).
89. A.Krishnaveni, R.Shankar, S.Duraisamy, “Enhanced Duck Traveler Optimization (EDTO) Algorithm with Multilevel Thresholding, Region of Interest and K-Means Clustering for Mammogram Image Segmentation to improving accuracy”, Proceedings of the International Conference on Research and Development in Science, Engineering and Technology, ICRDSET (2021)
90. A.Krishnaveni, R.Shankar, S.Duraisamy, “Versatile Duck Traveler Optimization (VDTO) Algorithm using Triple Segmentation Methods for Mammogram Image Segmentation to Improving Accuracy” SSRN Elsevier Digital Library pp. 1-20 (2021)

91. A.Krishnaveni, R.Shankar, S.Duraisamy, “Novel Duck Traveler Optimization Algorithm for Mammogram Image Segmentation” IAENG (SCOPUS Indexed) (2021) Accepted.
92. A.Krishnaveni, R.Shankar, S.Duraisamy, “Chaotic Duck Traveler Optimization Algorithm for Feature selection in Breast Cancer Dataset Problem”, Turkish Journal of Computer and Mathematics Education, Volume 12, Issue 4, pp. 250-262 (2021), (SCOPUS Indexed) Accepted.
93. K Anandan, R Shankar, S Duraisamy “Convolutional Neural Network approach for the prediction of Soil texture properties” Indian Journal of Science and Technology, Year: 2021, Volume: 14, Issue: 3, Pages: 190-196, 10.17485/IJST/v14i3.2047 (Web of Science)
94. K Anandan, R Shankar, S Duraisamy “Soil Category Classification Using Convolutional Neural Network Long Short Wide Memory Method” ICTIDS 2021 – (Springer & Scopus)
95. K.Anandan , R.Shankar , T. Latha Duraisamy,” An EPSO\_CNN Approach to Predict the Soil Texture Properties in Smart Farming , Turkish Journal of Computer and Mathematics Education Vol.12 No.10 (2021), 2387-2395, 28 April 2021
96. Anandan, K; Shankar, R; Duraisamy, S; “The Prediction of Soil Texture Properties Using Hybrid CNN-LMO Algorithm” , International journal of mechanical engineering, Vol.7 No.4 (2022),
97. Saravanabavanandam, S; Duraisamy, S “Binning and hybrid feature selection based big data classification”, NVEO-NATURAL VOLATILES & ESSENTIAL OILS Journal| NVEO, 2021
98. Saravanabavanandam, S; Duraisamy, S “Synthetic Minority Oversampling And Levy Flight Grey Wolf Optimization For Big Data Classification”, Turkish Online Journal of Qualitative Inquiry, Vol.12 No.7 (2021)
99. Mythili, D; Duraisamy, S; “A Novel Routing Protocol to Enhance Efficiency and Sustainability in Wireless Sensor Networks” International Journal of Computing and Digital Systems, Vol.15 No.1 (2024)