

K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.
(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
FACULTY PROFILE



01. Name : Dr. Sivakumar Ponnusamy
02. Designation : Associate Professor
03. Date of Birth : 01.06.1982
04. Date of Joining : 01.02.2024
05. Qualification

S. No.	Name of the Degree	Specialization	Name of the Institution / University	Name of the University	Year of		Class & % of Marks
					Admitted	Completed	
1.	Ph.D.,	ICE	Anna University of Technology, Coimbatore, Tamilnadu, India	Anna University, Chennai	2008	2013	-
2.	M.E	CSE	Annai Mathammal Sheela Engineering College, Namakkal, Tamilnadu, India	Anna University, Chennai	2005	2007	I & 75%
3.	B.E	IT	Sri Ramakrishna Engineering College, Coimbatore, Tamilnadu, India	Bharathiyar University, Coimbatore.	2000	2004	I & 65%

06. Experience, Promotion & Designation Details (Chronological):

a. Teaching:

S. No.	Name of the Institution	Designation	Nature of work	Period	
				From	To
1.	K.S.R. College of Engineering (Autonomous), Tamil Nadu	Professor	Teaching	01-02-2024	Till date
2.	SRM Institute of Science and Technology NCR Campus, Uttar Pradesh.	Associate Professor	Teaching	07-09-2020	15-11-2022
3.	Sree Vidyanikethan Engineering College (Autonomous), Andhra Pradesh	Associate Professor	Teaching	13-08-2019	28.08.2020
4.	Saudi Electronic University, Riyadh , Saudi Arabia	Assistant Professor	Teaching	22-03-2017	29-07-2019
5.	Sree Vidyanikethan Engineering College (Autonomous), Andhra Pradesh	Associate Professor	Teaching	01-06-2016	31-01-2017
6.	K.S.R. College of Engineering (Autonomous), Andhra Pradesh	Assistant Professor	Teaching	01-06-2011	31-05-2016
7.	Annai Mathammal Sheela Engineering College, Tamil Nadu	Lecturer	Teaching	15-07-2007	31-05- 2011
8.	Annai Mathammal Sheela Engineering College, Tamil Nadu	Lecturer	Teaching	14-06-2005	15-09-2005
Total year of Experience(s)				15 years and 3 months.	

07. Publication Details:

a. Conference Details:
National:

S. No.	Title of the Research paper	Name of the author(s)	Publisher / Journal Name	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
1	Trailing Mobile Sinks to Data Coverage Protocol for Wireless Sensor Networks	Sivakumar.p	National Conference on Cutting Edge Technologies in Information and Communication (NCCETC)	March, 2016		
2	A Hierarchical Fuzzy relational Clustering Algorithm for sentence Level Text Clustering	Sivakumar.p	National Conference on Cutting Edge Technologies in Information and Communication (NCCETC)	March, 2016		
3	Web Forum Questions using Answers Retrieval Information	Sivakumar.p	National Conference on Cutting Edge Technologies in Information and Communication (NCCETC)	March, 2016		
4	An Energy Aware data Forwarding using MD5 in Cluster based Wireless sensor Network	Sivakumar.p	National Conference on Big Data Cloud Computing (NCBDC'15), National Institute of Technology, Tiruchirappalli	2015		
5	Interactive Mobile Visual Search using Matching Algorithm	Sivakumar.p	National Conference on Knowledge based Scientific Research and Communication Engineering (NCKSRCE'14), K.S.R. College of Engineering	2014		
6	A Syntactic categorization based Web Page Rating Algorithm	Sivakumar, P. and Parvathi, R. M. S.	National Conference on Frontiers of Future Generation Computer Systems and Engineering, KSR College of Engineering, Tiruchengode	February 2012		
7	Most Improvement Content Mining from complete web pages	Sivakumar, P. and Parvathi, R. M. S.	National Conference on Advances in Computing, Communication, Electrical and Network Technologies, Sengunthar Engineering College, Tiruchengode	March 2012		
8	Scalable Peer-To-Peer File Sharing System in Hybrid Model	Sivakumar, P.	National Conference on Advances in Communication and Computing (NCAACC-2011), Karpagam College of Engineering (Autonomous)	October 2011		
9	Scalable Peer-To-Peer File Sharing System in Hybrid Model	Sivakumar, P.	Seventh National Conference on Recent Trends in Advanced Computing (RTAC-2011), SNS College of Technology	October 2011		
10	Improved Context Based data Access	Sivakumar, P.	First National Conference on Network, Intelligence and Computing System, SNS College of Technology, Coimbatore	Feb 2007		

S. No.	Title of the research paper	Name of the author(s)	Publisher / Journal Name	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
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1.	"Fit for Life: Home Personal Coach"	Dr.Sivakumar Ponnusamy, Mohsen Ba Omar, Fahad Alshunaybir, Mohsen Alanazi, Mwaz Alzebak	ICICS'2018, International Conference on Information and Computational Science (ICICS-2018)	27.03.2018 to 28.03.2018	-	-
2.	Web Forum Questions using Answers Retrieval Information	Dr.P.Sivakumar	Latest Concepts in Science, Technology and Management (ICLCSTM-16)	19 June, 2016	-	-
3.	Trailing Mobile Sinks to Data Coverage Protocol for Wireless Sensor Networks	Dr.P.Sivakumar	International Conference on "Latest Concepts in Science, Technology and Management (ICLCSTM-16)	19 June, 2016.	-	-
4	Efficient Methods for Distinction Preclusion in Data Mining	Sivakumar,P	International Conference on Advances in Applied Engineering and Technology - 2015 (ICAAET'15)	May 14-16, 2015	-	-
5	LS-SVM: Text Document Classification for Particular Value Decomposition	Sivakumar, P. and Parvathi, R.M.S	LS-SVM: Text Document Classification for Particular Value Decomposition	March 2012	-	-
6	An Efficient Approach of Noise Removal from Web Page for Effectual Web Content Mining	Sivakumar, P. and Parvathi, R. M. S	International conference on Advanced Computer Technology	July 2011	-	-

International:

**b. Journal Details:
International:**

S. No	Title of the research paper	Name of the author(s)	Publisher / Journal Name with full Expansion	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index	Impact Factor
1	Development and implementation of unmanned vehicles through artificial intelligence involving communication system with sensors and control parameters	T. Aditya Sai Srinivas Ranjeet Yadav, V. Gowri, K. Chandrababha, Sivakumar Ponnusamy , Dinesh Mavaluru	Measurement: Sensors	March 2024	https://doi.org/10.1016/j.measen.2024.101136 & ISSN: 2665-9174	SJR 0.328 SNIP 0.651	-
1	Multi-sensor data and cross-validation technique for merging temporal images for the Agricultural performance monitoring system	Dr. Sivakumar Ponnusamy	Journal of Food Quality	Volume 2022, Article ID 9575423	-	-	-

2	Development Of Medicinal Industries In Building A Replica To The Damaged Human Tissue For Artificial Organs With The Application Of Micro- And Nano Technology (MNT)	Dr. Sivakumar Ponnusamy	Journal of Optoelectronics Laser	Vol. 41 No. 3 (2022)	-	-	-
3	Analysis of vacancies on passenger bus in the context of IoT Transport Sector with Efficient Management Technologies	Dr. Sivakumar Ponnusamy	Journal of Optoelectronics Laser	Vol. 41 No. 3 (2022)	-	-	-
4	Analysis of Bioinformatics on Gene Expression And Discovery of Medicines	Dr. Sivakumar Ponnusamy	Bulletin Of Environment, Pharmacology And Life Sciences	Volume 11 (6), May-2022	-	-	-
5	Alternative Medicines to Enhance The Efficacy And Safety Of Anticancer Therapy	Dr. Sivakumar Ponnusamy	Bulletin Of Environment, Pharmacology And Life Sciences	Volume 11 (6), May-2022	-	-	-
6	Bioanalytic sciences for reconstructing membrane proteins	Dr. Sivakumar Ponnusamy	Bulletin Of Environment, Pharmacology And Life Sciences	Volume 11 (5), April-2022	-	-	-
7	Design, Analysis, and Bio Manufacturing of Disc Brakes With CNC For Reactor Safety	Dr. Sivakumar Ponnusamy	IJBPAS	November, Special Issue, 2021	-	-	-
8	Architectures and Uses of Artificial Neural Networks in Water Resources Engineering: Infrastructure and Applications	Dr.Sivakumar Ponnusamy	Journal of Nuclear Energy Science & Power Generation Technology	10:9 September 2021	-	-	-
9	Sensor Network Security In Low Power Hardware Development Through Ntpc	Dr.Sivakumar Ponnusamy	International Journal of Aquatic Science	Vol. 12, Issue 02, 2021	-	-	-
10	Deep learning based remote sensing technique for environmental parameter retrieval and data fusion from physical models	Dr.P. Sivakumar	Arabian Journal of Geosciences	2021	-	-	-

11	Improved Resource management and utilization based on a fog-cloud computing system with IoT incorporated with Classifier systems	Dr. P. Sivakumar	Microprocessors and Microsystems	Jan 2021	-	-	-
12	IOT-Driven Model For Collaboration Based On Learning Paradigms	Dr. P. Sivakumar	Turkish Journal of Physics	2021	-	-	-
13	Exploring The Trajectory Prediction Using LSTM And Extreme Machine Learning	Dr. P. Sivakumar	Journal of Critical Reviews, ISSN: 2394-5125	Vol 7, Issue 10, 2020	-	-	-
14	Design and analysis the performance of real-time content delivery network using beam scanning	Dr. P. Sivakumar	Journal of Critical Reviews, ISSN: 2394-5125	Vol 7, Issue 04, 2020	-	-	-
15	Fit for Life: Home Personal Coach	Dr. P. Sivakumar	Bonfring International Journal of Software Engineering and Soft Computing	Vol. 8, No. 2, April 2018	-	-	-
16	A Systematic review on Techniques of Feature Selection and Classification for Text Mining	Dr. P. Sivakumar	International Journal of Business Information Systems, ISSN: 17460972	Vol. 28, No. 4, 2017	-	-	-
17	Trust Factors based Hierarchy Key Distribution Security Protocol in Grid Computing by means of Elliptic Curve Cryptography	Dr. P. Sivakumar	Asian Journal of Research in Social Sciences and Humanities, ISSN: 2249-7315	Jan 2017	-	-	-
18	Object Based Ring Routing Path Management Algorithm for Energy Efficient Nest Node of Sensor Network	Dr. P. Sivakumar, Mr. K Rajagobal	Journal of Computer and System Sciences, ISSN: 0022-0000	Volume 83, Issue 3, 2017	-	-	-
19	Efficient Job Scheduling of Genetic Algorithm with Tabu Search and Round Robin	Dr. P. Sivakumar	International Journal of Printing, Packaging & Allied Sciences, ISSN: 2320-4387	Vol. 4, No. 4, 2016	-	-	-
20	Mobile Agents based Reliable and Energy Efficient Routing Protocol for MANET	Dr. P. Sivakumar	International Journal of Intelligent Engineering and Systems	9(3):110-116, September 2016	-	-	-
22	Trailing Mobile Sinks to Data Coverage Protocol for Wireless Sensor Networks	Dr. P. Sivakumar	International Journal of Innovations & Advancement in Computer Science (IJIACS)	Vol. 5, Issue No: 6, June 2016	-	-	-
22	An Integration of Web Mining and Security for Ensuring the E-Marketing Websites	Dr. P. Sivakumar	Asian Journal of Research in Social Sciences and Humanities	Vol. 6, No. 12, December 2016	-	-	-
23	Web Forum Questions using Answers Retrieval Information	Dr. P. Sivakumar	Journal of Computer Science and Technology	Vol. 5, Issue No: 6, June 2016	-	-	-

24	Effectual Web Content Mining using Noise Removal from Web Page	Dr. P. Sivakumar	Wireless Personal Communications	Vol .84, 2015	-	-	-
25	Efficient Methods for Distinction Preclusion in Data Mining	Dr. P. Sivakumar	International Journal of Applied Engineering Research	Special issue Vol.10, Issue.55, 2015	-	-	-
26	Ensure and Energy Efficient Data Forwarding in Cluster Based Wireless Sensor Network	Dr. P. Sivakumar	IJSRD - International Journal for Scientific Research & Development	Vol. 2, Issue 12, March 2015	-	-	-
27	Multimodal Mobile Visual Search Using Region-Based Matching Algorithm	Dr. P. Sivakumar	International Journal of Current Research	Vol. 6, Issue, 01, 2014	-	-	-
28	Interactive Mobile Visual Search using Pixel based Matching Algorithm	Dr. P. Sivakumar	International Journal of Engineering Associates (IJEA)	Vol. 3, Issue, 04, 2014	-	-	-
29	An Efficient Interactive Mobile Visual Search Using Multipart Region based Matching (MRM) Algorithm	Dr. P. Sivakumar	Australian Journal of Basic and Applied Sciences	Vol 8, Issue, 10, July 2014	-	-	-
30	Verifying Integrity and Availability in Multi-Cloud Using PDP	Dr. P. Sivakumar	International Journal of Computer Science and Mobile Computing	Vol. 2, Issue, 4, 2013	-	-	-
31	JC- Automatic Manifold Related Pages Reviewed by Jaccard's Coefficient	Sivakumar, P. and Parvathi, R. M. S.	International Journal of Advanced Research in Computer Science and Software Engineering	Vol. 2, No. 2, 2012	-	-	-
32	Mainly Significant Content Mining of Entire Web Page	Sivakumar, P. and Parvathi, R. M. S.	International Journal of Engineering Research and Applications	Vol. 2, No. 2, 2012	-	-	-
33	Neural Networking using Multiple Web Page Noise Removing Method	Sivakumar, P. and Parvathi, R. M. S.	International Journal on Computer Science and Technology (IJCTST)	Vol .3, No.1, 2012	-	-	-
34	Eliminating of Picture Animation from Web Sheet	Sivakumar, P. and Parvathi, R.M.S.	International Journal of Current Research	Vol. 4, No. 4, 2012	-	-	-
35	An Efficient Approach of Noise Removal from Web Page for Effectual WCM	Sivakumar, P. and Parvathi, R. M. S.	European Journal of Scientific Research	Vol. 50, No. 3, 2011	-	-	-
36	Sketching-Din Elimination of Web Page	Sivakumar, P. and Parvathi, R. M. S.	Journal of Computer Science	Vol. 7, No.	-	-	-

	National Level		International Level	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
At KSRCE	-	5	36	2

At others colleges	-	5	-	3
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Summary:

08. Details of Winter/Summer Schools Attended (all faculty enrichment programme): (FDP)

S.No.	Name of the programme	Organized by	Date & Duration
1	Identification of Internet Suspect Criminals using Forensic Field True Traveller Kit	Department of Information Technology, Francis Xavier Engineering College, Tirunelveli, Tamil Nadu	27th May, 2020
2	A Kaleidoscopic view of AI	Department of Computer Science and Engineering, Panimalar Institute of Technology	24th May 2020
3	Personal To Professional Excellence In The Global It Industry	CSE Dept in association with Computer Society of India VVIT chapter	27th May 2020
4	One-Day Online FDP on Data Science Using Machine Learning Algorithms	CSE Dept in association with Computer Society of India VVIT chapter	26th May 2020
5	Faculty Development Program on Advances in Python, Python for Data Science and Cyber Security	Department of Computer Science and Engineering, Chadalawada Ramanamma Engineering College, Tirupati Bombay	21st to 27th May 2020
6	Research Structuring and Writing Process	Department of Commerce IV, Rathinam College of Arts and Science, Coimbatore	May 27, 2020
7	CMOS Transceiver Design for 5G Communication	Department of Commerce Dhanalakshmi Srinivasan Institute of Technology	May 26, 2020
8	Virtual Class Room Teacher	Skillnet	May 27, 2020
9	Five Day Faculty Development Program on Cyber Security	Department of Information Technology, Velapapudi Ramakrishna Siddhartha Engineering College in association with Supraja Technologies & Computer Society of India Vijayawada Chapter	23rd to 27th May 2020
10	NUPRO'2020 Round 1 and participated NUPRO'2020 Round 2	Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam	21st to 25th May 2020
11	Faculty Development Programme on Python Programming and Machine Learning Techniques	Department of Computer Science and Engineering, K.S.R College of Engineering, Namakkal	18th to 29th May 2020
12	Faculty Development Programme on Web Application Security	Jeppiaar Institute of Technology	27th to 28th May 2020
13	Nupro'2020 – Nurture The Programming Contest Round - 1	Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam – 611 002	11th to 20th May 2020
14	Three Day Online Workshop on Source Code Management and Technical Documentation	Sree Vidyanikethan Engineering College in association with APSSDC	20th to 22nd May 2020
15	Research & Development (R&D) Cell and Institution's Innovation Council (IIC)	Vivekanandha College of Engineering for Women (Autonomous)	13th to 20th May 2020
16	Eight Days Online Java Programming Course	AARON Technology, Salem Tamilnadu	20th April to 27th April 2020
17	One Day Online Webinar on Levers of Digital Industry	Chennai Institute of Technology	01 May 2020
18	One Day Online National Workshop on Blockchain Technology	Chennai Institute of Technology	2nd May 2020
19	Online International Level COVID-19 Awareness Quiz	Ashoka Center for Business and Computer Studies, Chndsi, Nashik	May 2020
20	Online EQuiz Exam for Data Structure Subject	Panimalar Institute of Technology, Tamilnadu	6th May 2020
21	Online EQuiz Exam for DBMS Subject	Panimalar Institute of Technology, Tamilnadu	7th May 2020
22	Online EQuiz Exam for Compiler Subject	Panimalar Institute of Technology, Tamilnadu	8th May 2020

23	Online Faculty Development Program on RESEARCH, FUNDING & IPR	Department of Electronics & Telecommunication, IQAC AND R & D Cell, K. C. College of Engineering & Management Studies And Research, Thane (East)	7th May to 10th May 2020
24	Online WEBINAR on Opportunities for Start Ups in current Situation	Chennai Institute of Technology	8th May 2020
25	Online Python Webinar hosted	Sarada College for Women and Aaron Technologies	8th May 2020
26	5 Day Online Faculty Development Programme on Python Programming	Madanapalle Institute of Technology & Science in association with IIT Bombay Spoken Tutorial	4th May to 8th May 2020
27	5 Day Online Faculty Development Programme on R Programming	St.Joseph's College,(Autonomous), Irinjalakuda in association with IIT Bombay Spoken Tutorial	4th May to 8th May 2020
28	2 day online Webinar for How to write a Research Proposal	Research and Development Cell, Excel Engineering College, Komarapalayam - 637303, TamilNadu	04 May to 05 May 2020
29	Seven Days Online Faculty Development Program on Scope of Artificial Intelligence and Machine Learning in Automation	Chennai Institute of Technology	11th May to 17th May 2020
30	Introduction to image quality measures	Chennai Institute of Technology	13th May 2020
31	Star Ethical Hacking Expert (EHE)	Star Certification, United States	May 14, 2020
32	Ethical Hacking Webinar	IT Dept of Sengunthar College of Engineering	13th May

01. Details of Workshops/ Seminars Attended:

S. No	Name of the programme	Organized by	Date & Duration
1.	Virtual Private Network (VPN)	K.S.R. College ofEngineering	03.01.2009 & 1 day
2.	Data mining for BiomedicalDatabases	Kongu Engineering College	27.01.2009 – 29.01.2009 & 3 days
3.	Graphical System Design inEngineering Education	K.S.Rangasamy college ofTechnology	26.02.2009 & 1 day
4.	QualNet	K.S.R. College ofEngineering	24.03.2009 & 1 day
5.	Matlab – A Tool for Research	D.J.Academy for Management Excellence	25.07.2009 &1 day
6.	Wireless Networks	Vivekanandha College ofEngineering for Women	28.08.2009 – 29.08.2009 &2 days
7.	Pattern Recognition and DataMining with WEKA	Dr.Mahalingam College ofEngineering & Technology	26.03.2011 &1 day
8.	Wipro – Mission10X	K.S.R. College ofEngineering	31.05.2011 – 04.06.2011 &5 days
9	webinar titled "Source to Datasets"	Artificial Intelligence Medical and Engineering Researchers Society	12.03.2024

10. Details of Winter/Summer Schools/Workshops/Seminars organized:

S. No	Name of the programme	Sponsored by	Acted as	Duration	Convener
1.	Fourth National Conference on Knowledge Based Scientific Research and Communication Engineering - 2014 (NCKSRCE'14)	-	Coordinator	15th March 2014	Dr. A.Rajiv Kananan

11. Details of Guest Lecturer / Resource Person / Session Chair inside and outside the college: (FDP / Training / Workshop / Seminar / Conference)

Sl. No	Name of the programme	Organized by	Date & Duration
1	One Week Faculty Development Programme on Advanced Tools for Data Analytics	Sree Vidyanikethan Engineering College (Autonomous), Tirupathi	24th-25th October, 2016
2	CODE-A-THON "Mantra- A National Level Techno – Cultural Fest"	Sree Vidyanikethan Engineering College (Autonomous), Tirupathi	6th-7th October, 2016
3	Faculty Development Training Programme on "CS6402 Design and Analysis of Algorithms"	K.S.R College of Engineering	11th December, 2014
4	Faculty Development Training Programme on "CS6402 Design and Analysis of Algorithms"	Kongunadu College of Engineering and Technology	13th December, 2014

Area of Interest:

Research (Ph.D)	Degree (PG)	Degree (UG)	Experience
Data Mining	Data Mining	Theory of Computation Web technology	Database Management Systems

12. Professional Membership

Membership Type	Society/Organization	Membership ID
Life Member	Indian Society for Technical Education (ISTE)	LM 81589
	International Society For Research And Development (ISRD)	SR4150900222
	Global Research & Development Services (GRDS)	WASRTI-M16101
Senior Member	International Association of Computer Science and Information Technology (IACSIT)	80347977
Member	International Association of Engineers (IAENG)	137474
	International Journal of Engineering Trends and Technology (IJETT)	SSRG-IJETT-1500.SVEC
Member of Societies	IAENG Society of Computer Science	
	IAENG Society of Data Mining	
	IAENG Society of Software Engineering	

List of R & D Project Work

S.No	Workshop / Seminar / Funded Projects	Name of the agency	Title of the Programme	Applied Date	Status
1	DST- e-PMS	SEED	Design and Development of Affordable Organic Footwear for Under Privileged People	March 2020	Presentation Completed
2	Dst -Waste Management Technologies	Technology Development Transfer	Automated plastic and solid waste pickup using autonomous ground vehicles and segregation using deep learning techniques	November 2020	Applied
1.	Seminar	SERB Seminar Grant Proposal	Statistically Open Data Applications and Challenges	July 2019	Applied
2.	Funded Projects	SERB (Empowerment and Equity Opportunities for	Security Track: Bluetooth module with Smartphone Sensing Platform for	August 2019	Applied

		Excellence in Science)	Emergency Disaster Management		
3.	Workshop	DeitY Sponsored A Two Day National Seminar	Open Data Applications and Challenges	August 2019	Applied

List of Project work

<i>S.no</i>	<i>Title of the Project</i>	<i>Purpose of the Project</i>	<i>Software used</i>
1.	Improved Context Base Mobile data access	Mobile using to access All kind of data information with data format	JSP,Ms-Access,J2ME
2.	Location Identification	Mobile using identify the particular location and also nearest location with map	J2ME,JSP,SQL
3.	Mobile Billing System	Online Mobile Billing System	VB,Ms-Access
4.	Student Information	Each students Bio data and also mark statement	VB,Ms-Access

List of Patent

S.No	Title of the Patent	Application Number	Data of Published / eFiling	Status
1	Wireless mesh networks lifetime maximization for machine to Machine communication	201941052842	27/12/2019	Published
2	A novel Multiple-Access Edge Computing technique for ultra-reliable low-latency communication (URLLC), and massive Internet of Things (IoT) in 5G networks	202041014796	15/05/2020	Published
3	Automated vegetation mapping approach of crops through satellite image fusion and convolution neural networks-based classification	202041014696	15/05/2020	Published
4	A method to emotional component and Intrapersonal cognitive detection of a person using machine learning.	202041014970	22/05/2020	Published
5	Voice Assisted Neuro-Fuzzy Deep Learning Technique to Elderly and Disabled for Flexible and Secure Navigation	2020100866	24/06/2020	Granted
6	4- Layered IOT Architecture For Hyperledger-Fabric Blockchain Based Self-Managed Vehicle Ad-Hoc Networks (Vanet)	2020101611	26/08/2020	Granted
7	Effective communication system for disabled persons using Neuro signals	2020102681	12/10/2020	Granted
8	Voice Based Outdoor Navigation and Location Announcement guidance System for Blind	2020103056	09/12/2020	Granted
9	Inertial measurement unit for wearable continuous human motion information system	2020102947	22/10/2020	Granted
10	Method to analyze thermal sensation response through static environment variables and dynamic physic	202141003424	05/02/2021	Published
11	Design and Development of Affordable Organic Footwear for Under Privileged People	202111003484	29/01/2021	Published
12	Intelligent Cradle System Based on IOT and Machine Learning for Infant Reducing Caring Burden of Par	202111007368	26/02/2021	Published
13	Plastic picking robot using image sensing	2021/01039	16/02/2016	Filed
14	Mental Status Analyzing System Using Scanned Handwriting	202121013879	09/04/2021	Published
15	MATERNITY BELT (Design patent)	345105-001	21/06/2021	Filed

16	Multicriteria optimization for IoT service computation off loading for cloud computing	202141037147	27/08/2021	Published
17	Boosting framework for semi-supervised learning with limited number of labeled examples and a multitude of unlabeled examples	202141037730	24/09/2021	Published
18	Longterms reliability assessment technique for integrated renewable energy sources through machien learning algorithm	2021106199	20/08/2021	Filed
19	An automatic and Objective Assessment of Image Quality of Realtime Traffic Images	202141037912	27/08/2021	Published
20	Quantitative Trait Loci Analysis for assessing Ragi's balst resistance using machine learning Technique	2021106339	10/11/2021	Granted
21	Security enhancement method using logically centralized control plane of software defined networks	202141038184	03/09/2021	Published
22	Software Define Network based Network Security Monitoring System	202141038188	03/09/2021	Published
23	Robust Multi Authority Attributes Management System of Serverless computing with enhanced reliability	202141039395	10/09/2021	Published
24	Multi-dimensional radio resource allocation scheme to cater the fluctuations of the network situations due to 5G real time dynamic traffic	2021104413	04/05/2022	Granted
25	Application of quad ridged horned antenna for broadband spectrum	202211031134	10/06/2022	Published
26	SMS Driven Automatic Wireless Notice Board	202221031829	17/06/2000	Published
27	Experimental Investigation of Effect of Pitch Augmentation In Fluro Polymer Spiral Tube In Tube Heat Exchanger And Optimization of Flow Parameter For Minimum Fouling	202241033905	14/06/2022	Filed
28	Conceptual design of virtual reality for dental extraction	202241035932	22/07/2022	Published
29	Sensor-based Agricultural Robot for Pesticide Spraying	6352307	20/03/2024	Granted
30	Evaluating Voice-Controlled Smart Home Security and Automation Systems Powered by IoT	202441019804	29/03/2024	Published
31	Advanced robotic hand for Industrial application	410588-001	16/05/2024	Granted

List of Book published

S.No	Title of the Book	Book ISBN	Year of publication	Publisher
1	Web Content Mining and Noise Free Web Pages	978-81-932882-0-7	2016 November	IRA Publications
2	Software engineering using metaheuristic algorithms	978-1-67814-610-8	2020	Lulu publication

S.No	Journal Title	Role
1	Journal of Computer Science	Guest Editor
2	International Journal of Recent Trends in Technology and Engineering (IJRTTE)	Editor
3	NTL Publications	Editor
4	PKS Publication	Editor
1.	International Journal of Computer Science and Network (IJCSN)	Reviewer
2.	International Journal of Scientific & Engineering Research (IJSER)	Reviewer
3.	International Journal of Advances in Engineering and Technology	Reviewer

	(IJAET)	
4.	International Journal of Research in Engineering and Technology (IJRET)	Reviewer
5.	International Journal of Research in Science & Technology (IJRST)	Editorial Board Member
6.	International Journals of Engineering and Sciences (IJENS)	Reviewer
7.	Taraksh International Journal of Information Systems (TIJIS)	Editorial Board Member
8.	Taraksh Journal of Cultural Studies (TJCS)	Editorial Board Member
9.	International Journal of Scientific Engineering and Technology (IJSET)	Reviewer
10.	International Journal of Advances in Engineering Research (IJAER)	Editorial Board Member
11.	International Journal Of Innovations In Applied Sciences & Engineering (IJIASE)	Editorial Board Member

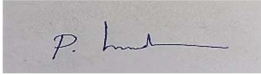
13. Self-Appraisal

Major Strengths

1. Exceptional Team Player
2. Adaptability
3. Leadership Abilities

Major Weaknesses:

1. Difficulty Saying No
2. Reluctance to Delegate
3. Straight Forwardness



(Dr. Sivakumar Ponnusamy)