

**KANNIMUTHU SUBRAMANIAN, SM IEEE**

PROFESSOR

DEPARTMENT OF IT

KARPAGAM COLLEGE OF ENGINEERING

COIMBATORE

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Google Scholar Profile : <https://scholar.google.co.in/citations?user=eSdX5S0AAAAJ&hl=en>Web of Science Profile : <https://www.webofscience.com/wos/author/record/L-1502-2019>Scopus Profile : <https://www.scopus.com/authid/detail.uri?authorId=37114593300>LinkedIn : [www.linkedin.com/in/kannimuthu](http://www.linkedin.com/in/kannimuthu)IEEE ID : **99320117****EDUCATIONAL QUALIFICATION**

DEGREE	INSTITUTION	UNIVERSITY/ BOARD	PERCENTAGE /CGPA	YEAR OF COMPLETION
PhD	Anna University, Chennai	Anna University, Chennai	Highly Commended	2015
ME (CSE)	Kongu Engineering College-Erode	Anna University, Chennai	81.42	2007
B.Tech (IT)	Park College of Engineering and Technology, Coimbatore	Anna University, Chennai	77	2005
HSC	K.R. Government Higher Secondary School, Oddanchatram	State Board	90.25	2001
SSLC	Government High School, Chatrappatti	State Board	84	1999

**EXPERIENCE (Teaching : 16 Years 1 Month + Industry :6 Months)**

S. No.	Position	Name of Organization	Period		Duration
			From	To	
1	Professor	Karpagam College of Engineering, Coimbatore	28-07-21	Till Date	2 Years 2 Months
2	Associate Professor	Karpagam College of Engineering, Coimbatore	10-06-15	27-07-21	6 Years 2 Months
3	Assistant Professor (SLG)	Coimbatore Institute of Engineering and Technology, Coimbatore	01-07-13	30-04-15	1 Year 9 Months

4	Assistant Professor	Sri Krishna College of Engineering and Technology, Coimbatore	27-06-07	31-05-13	6 Years
5	Project Trainee	National Aerospace Laboratories (NAL), Bangalore	21-12-06	20-06-07	6 Months

## GOOGLE SCHOLAR CITATIONS

**Citations** : 418

**h-Index** : 12

**i10-Index** : 12

## AREAS OF INTEREST

- Machine Learning
- Data Structures and Algorithm Design
- Big Data Analytics
- Artificial Intelligence

## COMPUTER PROFICIENCY

<b>Operating Systems</b>	:	Linux, Windows 8/10
<b>Languages</b>	:	C, C++, Java, J2EE, Python, J2ME
<b>Database</b>	:	MS-SQL Server, MySQL
<b>Packages</b>	:	Visual Basic 6.0, C#.NET, VB.NET, CORBA, OpenGL, Hadoop, MATLAB
<b>Web Technologies</b>	:	PHP, VB Script, Java Script, JSP, Servlet
<b>Machine Learning Tools</b>	:	Weka, Orange, RapidMiner, R, sklearn, seaborn
<b>Frameworks</b>	:	Hadoop, Spark
<b>Learning Tools</b>	:	Moodle 2.8

## NOTABLE ACHIEVEMENTS

### Consultant / Mentor / Expert Member (4)

1. DeepLearning.AI, USA
2. Data Science Consultant for MaxByte Technologies, Coimbatore
3. Mentor for Dhanvi InfoTech Pvt Ltd, Coimbatore
4. Expert Member for Student Learning Assessment Project Cell, AICTE

### Research Recognition (1)

1. One of my research works is incorporated in SPMF Open-Source Data Mining Tool.  
Source: <http://www.philippe-fournier-viger.com/spmf/index.php?link=algorithms.php>

### Awards Received (10)

1. Attained National Level Second, Received Elite+Gold and Top 1% Award for Scoring 96% in NPTEL Course on Programming in Java during November 2019.
2. Received Elite and Top 5% Award for Scoring 82% in NPTEL Course on Cloud Computing during November 2022.



Researcher ID [L-1502-2019](https://orcid.org/0000-0002-8606-7278)



0000-0002-8606-7278



<https://github.com/kannimuthu/>



<http://skannimuthu.blogspot.com>

- 3 Received Elite and Top 5% Award for Scoring 69% in NPTEL Course on Introduction to Internet of Things during November 2022.
- 4 Received Distinguished Technical Advisor Award from Dhanvi InfoTech Pvt Ltd, Coimbatore during Annual Day Celebration 2019.
- 5 Received Favourite Teacher Award from the Management of **Karpagam Institution** during Teachers' Day Celebration 2017.
- 6 Received award and Certificate for **Academic Excellence** during UG Course at Park College of Engineering and Technology, Coimbatore
- 7 Received award and the Certificate of Appreciation from **ZF Wind Power Antwerpen NV-Belgium Ltd** for completing Industrial project successfully.
- 8 Received **Faculty Endowment Award** from the management of CIET, Coimbatore for successfully completing the PhD course at Anna University, Chennai
- 9 Conferred Second Best Team in NLP Challenge as part of FIRE 2019 conference
- 10 First Position in NLP Challenge as part of FIRE 2018 Conference

#### Professional Achievement (4)

- IBM Cybersecurity Analyst
- DeepLearning.AI TensorFlow Developer
- SAS Programmer
- SAS Visual Business Analytics

#### International Certifications (600+)

- Successfully completed more than 601 Online Certification courses in Coursera
- Completed 41 Specialization Courses and 4 Professional Certificates

#### LinkedIn Skill Assessment Achievement (24 Badges)

S. No	Name of the Skill	Achievement	Out of
1	Machine Learning	Top 30%	48K People
2	Cyber Security	Top 15%	112.4K People
3	C Programming	Top 5%	502K People
4	C++ Programming	Top 30%	591K People
5	Java Programming	Top 15%	633K People
6	Python Programming	Top 30%	811K People
7	Java Script Programming	Top 30%	642K People
8	MATLAB Programming	Top 30%	122K People
9	PHP Programming	Top 5%	267K People
10	Object Oriented Programming	Top 30%	193K people
11	MySQL	Top 30%	211K People
12	Transaction-SQL	Top 15%	87K People
13	NoSQL	Top 30%	23K People
14	MongoDB	Top 30%	70K People
15	Hadoop	Top 30%	53K People
16	HTML	Top 15%	822K People
17	XML	Top 30%	94K People

18	CSS	Top 5%	615K People
19	Linux	Top 15%	54K People
20	R Programming	Top 30%	395K People
21	Agile Methodologies	Top 5%	1M People
22	C#	Top 5%	597K People
23	Amazon Web Services (AWS)	Top 5%	635K People
24	Front End Development	Top 5%	339.3K People

#### Hacker Rank Online Contest Certification (4)

S. No	Name of the Skill
1.	Problem Solving
2.	Python
3.	Java
4.	SQL

#### NPTEL Certifications (5)

- NPTEL Certification on “Programming in Java” (96%-Elite+Gold, Top 1%)-Second Position in National Level
- NPTEL Certification on “Cloud Computing” (82%-Elite+Silver, Top 5%)
- NPTEL Certification on “Introduction to the Internet of Things” (69%-Elite, Top 5%)
- NPTEL Certification on “Machine Learning for Science and Applications” (69%-Elite)
- NPTEL Certification on “Programming, Data structures and Algorithms using Python” (61%-Elite)

#### Patents Published (4)

- NASH EQUILIBRUM-BASED SOLUTION FOR FORMJACKING IN CROWDSENSING NETWORK (Application No: 202041043760)
- NOVEL DEEP MEMORY NET MODEL FOR CROP PROTECTION THROUGH MULTICLASS DATA ANALYTICS (Application No: 202041026014)
- “SURAKSHIT YATRA” IOT BASED ROAD SAFETY MANAGEMENT THROUGH TENSOR FLOW AND LIGHT FIDELITY BY ADOPTING YOLO ALGORITHM (Application No: 201941036901)
- “AN IOT BASED HEALTHCARE MONITORING SYSTEM” (Application No: 202141047073)

#### Funds Received (4)

S. No	Name of the Funding Organization	Seminar / Workshop	Year	Amount Received (Rs.)
1	DRDO	Workshop	2011	20,000
2	DRDO	Workshop	2012	20,000
3	ISRO	Seminar	2017	30,000
4	CSIR	Seminar	2019	50,000

#### PhD Supervision (3+8)

- Recognized Supervisor of Anna University, Chennai

- Number of PhDs produced: 3

S. No	Name of the Candidate	Title of the Thesis	Date of Award
1	C. Priyadarshini	Certain Investigations on Three-Dimensional Localization Techniques in Underwater Sensor Networks	13.12.2018
2	D. Gowtham Chakravarthy	Certain Investigations on Extraction of Interesting Patterns for Web Service Composition	21.02.2021
3	Mahendhiran PD	Novel Approaches for Multimodal Sentiment Analysis using Deep Learning	25.11.2022

- Number of PhD scholars: 8

SCHOLAR DETAILS								
S.NO	REGNO	NAME	DEGREE	FACULTY	REG YEAR	REG SESS	SUPERVISOR	STATUS
1	16124697326	Chola Raja K	Ph.D.	Ice	2016	JUL	Supervisor	Thesis Submitted
2	18134691423	Ramesh P N	Ph.D.	Ice	2018	JAN	Supervisor	Thesis Submitted
3	17244697416	Sharmila Devi V	Ph.D.	Ice	2017	JUL	Supervisor	Confirmation completed
4	18244697114	Nandhini S S	Ph.D.	Ice	2018	JUL	Supervisor	Confirmation completed
5	19174697281	Pragadeeswaran S	Ph.D.	Ice	2019	JUL	Supervisor	Confirmation completed
6	21244691411	Aarthi D	Ph.D.	Ice	2021	JAN	Supervisor	Confirmation completed
7	21244697650	Benazir Begum A	Ph.D.	Ice	2021	JUL	Supervisor	Course Work
8	23244697210	Sathya K	Ph.D.	Ice	2023	JUL	Supervisor	Course Work

### Guest Lectures Delivered (157)

1	Delivered Guest Lecture on “Data Mining Tools” in DRDO Sponsored Two Days Workshop at VLB Janakiammal College of Engineering and Technology, Coimbatore during 24 <sup>th</sup> September, 2009.
2	Presented a Special Lecture on “Open Source Data Mining Tool-Weka” in CSI Sponsored Workshop on Data Mining Tools in Weka and RapidMiner at Karpagam College of Engineering, Coimbatore during 31 <sup>st</sup> August, 2013.
3	Delivered Special Lecture on “Power of Python-Open Source Software” in Two Days Workshop at Kongu Engineering College, Erode during 30 <sup>th</sup> January, 2011.
4	Delivered Special Lecture on “J2ME” in Two Days Workshop at Kongu Engineering College, Erode during 13 <sup>th</sup> August, 2011.
5	Delivered Special Lecture on “XML and Web Services” Workshop at Dr. Mahalingam College of Engineering and Technology, Pollachi on 31 <sup>st</sup> March, 2012.
6	Delivered Guest Lecture on “Algorithms and its Applications” in One Day seminar at Sri Ramakrishna Engineering College, Coimbatore during 20 <sup>th</sup> April, 2011.

7	Presented a Special Lecture on “XML and Web Services” in AICTE Sponsored FDP on Grid Computing at Muthayammal Engineering College, Namakkal during 22-23 <sup>rd</sup> May, 2012.
8	Presented a Special Lecture on “Component Based Technology” in Three Days Faculty Development Programme at KCG College of Technology, Karapakkam, Chennai during 16 <sup>th</sup> June, 2010.
9	Delivered Guest Lecture on “Middleware Technologies” in an One day Workshop at Anna University of Technology, Madurai-Ramanadhapuram Campus on 11 <sup>th</sup> March, 2011.
10	Delivered Special Lecture on “Enterprise Computing” in One Day Seminar at Indus College of Engineering, Coimbatore on 19 <sup>th</sup> February, 2011
11	Delivered Guest Lecture on “Component Based Software Development” in One Day Seminar at Trichy Engineering College, Trichy during 22 <sup>nd</sup> September, 2009.
12	Delivered Special Lecture on “OpenGL” in One Day Seminar at Indus College of Engineering, Coimbatore on 21 <sup>st</sup> March, 2011.
13	Delivered Guest Lecture on “Open Source Softwares” in One day Workshop at Anna University of Technology, Madurai-Ramanadhapuram Campus on 12 <sup>th</sup> October, 2011.
14	Delivered Guest Lecture on “PHP and Python” in Three Days FDP on Open Source Software at Tejaa Shakthi College of Technology for Women, Coimbatore on 30 <sup>th</sup> November, 2011.
15	Presented a Special Lecture on “CORBA” in Two Days Workshop on Advanced Java Programming (AJP) and Component Based Technology (CBT) at Sri Krishna College of Engineering and Technology, Coimbatore during 8 <sup>th</sup> August, 2009.
16	Given Hands on training in “ASP and .NET Components” in Three Days Workshop on Web Technology (WT) and Enterprise Computing (EC) at Sri Krishna College of Engineering and Technology, Coimbatore during 14 <sup>th</sup> August, 2010.
17	Presented a Special Lecture on “J2ME” in Two Days Workshop on J2ME and WSN at Sri Krishna College of Engineering and Technology, Coimbatore during 26 <sup>th</sup> August, 2011.
18	Presented a Special Lecture on “Service Oriented Data Mining” in DRDO Sponsored Two Days National Level Workshop on Data Mining using SQL Server 2008 and Weka at Sri Krishna College of Engineering and Technology, Coimbatore during 30 <sup>th</sup> September, 2011
19	Presented a Special Lecture on “Introduction to Data Mining and Tools” in DRDO sponsored Two Days Workshop on Challenging issues in Data Mining and Semantic Web at Sri Krishna College of Engineering and Technology, Coimbatore during 27 <sup>th</sup> January, 2012.
20	Delivered Special Lecture on “Research issues in Data Mining” in FDP on Research issues in Computing at KTVR Knowledge Park, Coimbatore, Tamilnadu on 25 <sup>th</sup> July, 2012.
21	Delivered a Special Lecture on “Data Mining: Research issues” in FDP on Research issues in Computer Science at Parks Arts and Science College, Chinnakarai, Tirupur, on 8 <sup>th</sup> September, 2012.
22	Delivered Special lecture on “Web 2.0 and WS-Security” in DRDO Sponsored Two Days Workshop on Web Services at Mohammed Sathak Engineering College, Kilakarai, Ramanadhapuram on 21 <sup>st</sup> September, 2012.

23	Delivered Guest Lecture on “Data structures and Object Oriented Programming” at Kings Engineering College, Thanjavur on 24 <sup>th</sup> September, 2012.
24	Delivered Guest Lecture on “Improving Competency in C Programming” at Government College of Technology, Coimbatore on 18 <sup>th</sup> November 2012.
25	Delivered a Special Lecture on “Software for Data Mining” at Anna University, Coimbatore on 18 <sup>th</sup> September 2013.
26	Delivered a Special Lecture on “Research findings in Data Mining using RapidMiner” at Coimbatore Institute of Engineering and Technology, Coimbatore on 11 <sup>th</sup> October 12, 2013.
27	Delivered Special Lecture on “Data mining Techniques and Tools-Research Perspective” in TEQIP-Phase II sponsored FDP at Coimbatore Institute of Technology, Coimbatore on 14 <sup>th</sup> November 2013.
28	Delivered Guest Lecture on “Java Programming” at PSG Krishnammal College for Women, Coimbatore on 27 <sup>th</sup> January 2014.
29	Delivered Guest Lecture on “Data Mining Tools” at Kumaraguru College of Technology, Coimbatore, on 6 <sup>th</sup> and 7 <sup>th</sup> March 2014.
30	Delivered Guest Lecture on “Advanced Java Programming” at Coimbatore Institute of Management and Technology, Coimbatore, on 11 <sup>th</sup> April 2014.
31	Delivered Special Lecture on “Service Oriented Architecture” in Anna University Sponsored Seven Days FDP at Dr. NGP Institute of Technology, Coimbatore, on 06 <sup>th</sup> July 2014.
32	Delivered Guest Lecture on “Service Oriented Architecture” in one day workshop at KSR Institute for Engineering and Technology, Tiruchengode, on 06 <sup>th</sup> September 2014.
33	Delivered Special Lecture on “Big Data Analytics” in one day workshop at Karpagam University, Coimbatore, on 12 <sup>th</sup> September 2014.
34	Delivered Special Lecture on “Advanced C Programming” in one day seminar at Sri Krishna College of Engineering and Technology, Coimbatore, on 8 <sup>th</sup> November 2014.
35	Delivered Guest Lecture on “Data Analytics using Weka and Rapid Miner” in Two day workshop at Kumaraguru College of Technology, Coimbatore, on 5 <sup>th</sup> February 2015.
36	Delivered Guest Lecture on “Big Data Analytics using Weka” in Two day National workshop at Karpagam University, Coimbatore, on 3 <sup>rd</sup> March 2015.
37	Delivered Guest Lecture on “Big Data Analytics” in One day seminar at Saraswathi Thiagaraja College, Pollachi on 14 <sup>th</sup> March 2015.
38	Key Note Speaker for Seventh National Conference on ADVANCED COMPUTING SYSTEMS NCACS-15 and delivered a Lecture in “Big Data Analytics” at Hindusthan College of Engineering and Technology, Coimbatore on 20 <sup>th</sup> March 2015.
39	Delivered Guest Lecture on “Big Data Analytics” in One day seminar at SNS College of Engineering, Coimbatore on 28 <sup>th</sup> March 2015.
40	Delivered Guest Lecture on “Big Data Analytics” in FDP on Recent Trends in Big Data Analytics at Karpagam University on 5 <sup>th</sup> June 2015.
41	Guest Lecture on “Big Data Analytics using Weka” in One Day Workshop on Big Data Analytics Trends at Dhanalakshmi Engineering College, Perambalur on 17 <sup>th</sup> August 2015.
42	Delivered Guest Lecture on “Big Data Analytics” in One Day Workshop at Karpagam College of Engineering, Coimbatore on 19 <sup>th</sup> September 2015.

43	Delivered Special Lecture in IEEE Sponsored Workshop on “Service Oriented Architecture” at Hindusthan College of Engineering and Technology, Coimbatore on 02 <sup>nd</sup> February 2016.
44	Delivered Special Lecture in DBT Sponsored Two Day National Workshop on “Applied Statistics for Bioinformatics Using R” at Bannari Amman Institute of Technology, Sathyamangalam on 20 <sup>th</sup> February 2016.
45	Delivered Guest Lecture on One Day Seminar on “Improving Competency in Java Network Programming” at University College of Engineering Dindigul on 05 <sup>th</sup> March 2016.
46	Delivered Guest Lecture on Two Day Workshop on “Data Analytics and Research” at Kumaraguru College of Technology, Coimbatore on 29 <sup>th</sup> June 2016.
47	Delivered Guest Lecture on One Day Workshop on “Data Analytics using Open Source Tools” at SVS College of Engineering, Coimbatore on 25 <sup>th</sup> July 2016.
48	Delivered Guest Lecture on One Day Workshop on “Internet Programming” at AVS Engineering College, Salem on 8 <sup>th</sup> September 2016.
49	Delivered Guest Lecture on One Day Workshop on “Artificial Intelligence” at Kongu Engineering College, Erode on 30 <sup>th</sup> September 2016.
50	Delivered Guest Lecture on One Day Workshop on “Data Analytics using Rapid Miner” at Pondicherry University, Karaikal Campus on 23 <sup>rd</sup> October 2016.
51	Delivered Guest Lecture on One Day Workshop on “Data Analysis using Weka and Rapid Miner” at VIT University, Vellore Campus on 27 <sup>th</sup> November 2016.
52	Key Note Speaker for One Day Conference on Advances in Computational Sciences. Topic of the presentation: “Open Source Tools and Big Data Analytics Research” at Karpagam University, Coimbatore on 18 <sup>th</sup> February 2017.
53	Delivered Guest Lecture for One Day Workshop on “Data Analytics using R” at Kongu Engineering College, Erode on 24 <sup>th</sup> February 2017.
54	Delivered Guest Lecture on One Day Workshop on “Data Mining Techniques using Weka and Rapid Miner” at VIT University, Vellore Campus on 26 <sup>th</sup> March 2016.
55	Delivered Guest Lecture on Anna University Sponsored Seven Days FDTP on “Internet Programming” at University College of Engineering, Anna University, Dindigul on 26 <sup>th</sup> May, 2017.
56	Delivered Guest Lecture on One Day Workshop on “Data Mining Tools” at M. Kumarasamy College of Engineering, Karur on 8 <sup>th</sup> July, 2017.
57	Delivered Lecture in ISRO Sponsored “Two Day Seminar on Deep Learning Models for Cyber Security and Remote Sensing” at Karpagam College of Engineering, Coimbatore on 13 <sup>th</sup> July, 2017.
58	Delivered Guest Lecture on One Day Workshop on “Data Analytics Research using RapidMiner” at Jansons Institute of Technology, Coimbatore on 1 <sup>st</sup> September, 2017.
59	Delivered Guest Lecture on One Day Hands on Training on “Cloud Computing and Big Data Analytics” at Coimbatore Institute of Engineering and Technology, Coimbatore on 10 <sup>th</sup> September, 2017.
60	Delivered Guest Lecture on One Day Workshop on “Big Data Data Analytics using Rapid Miner” at SNS College of Technology on 15 <sup>st</sup> September, 2017
61	Delivered Guest Lecture on One Day Workshop on “Python Programming” at SNS College of Engineering on on 22 <sup>nd</sup> September, 2017
62	Delivered Guest Lecture on “Computer Graphics” in One Day Workshop at University College of Engineering, Anna University, Dindigul on 14 <sup>th</sup> October, 2017.

63	Delivered Guest Lecture on “Machine Learning using RapidMiner” at Karpagam College of Engineering, Coimbatore on 1 <sup>st</sup> February, 2018.
64	Delivered Lecture on “Wireless Body Area Networks and Sensor Data Analytics” in ICMR Sponsored National Level Seminar on Technological Evolution in Sensor Equipment for Medical Application”, at Nandha Engineering College, Erode on 8 <sup>th</sup> February, 2018.
65	Delivered Guest Lecture on One Day Seminar on “Machine Learning using RapidMiner” at “Nandha Engineering College, Erode on 8 <sup>th</sup> February, 2018.
66	Delivered Lecture on “Virtual Reality and its Application in Medicine” in ICMR Sponsored National Level Seminar on Virtual Reality and its Application in Healthcare Industry”, Erode Sengunthar Engineering College, Erode on 2 <sup>nd</sup> March, 2018.
67	Delivered Lecture on “Application of Data Mining in Medicine” in ICMR Sponsored National Level Seminar on Smart Health Prediction using Data Mining”, at Vivekanandha College of Engineering for Women, Erode on 10 <sup>th</sup> March, 2018.
68	Delivered Guest Lecture on One Day Seminar on “Integration of RapidMiner with Hadoop” at “Nandha Engineering College, Erode on 5 <sup>th</sup> April, 2018.
69	Delivered Guest Lecture on One Day FDP on “Big Data Analytics using Weka” at Dr. NGP Institute of Technology, Coimbatore on 16 <sup>th</sup> June, 2018
70	Delivered Guest Lecture on One Day Workshop on “Internet Programming” at Sri Shanmuga College of Engineering and Technology, Sankari, Salem on 7 <sup>th</sup> July, 2018.
71	Delivered Guest Lecture on One Day Hands on Training on “Machine Learning using RapidMiner” at Kaveri Engineering College, Mettur, Salem on 2 <sup>nd</sup> August, 2018.
72	Delivered Lecture on “Contemporary Approaches in Machine Learning” in One Day International Seminar on Contemporary Techniques at Vellalar College for Women, Erode on 21 <sup>st</sup> August, 2018.
73	Delivered Guest Lecture on One Day Workshop on “Bigdata Analytics using Weka- Integrating Weka with Spark” at Krishnaswamy College of Engineering and Technology, Cuddalore on 25 <sup>th</sup> August, 2018.
74	Delivered Guest Lecture on One Day Workshop on “Computer Graphics” at University College of Engineering, Anna University, Dindigul on 12 <sup>th</sup> September, 2018.
75	Delivered Guest Lecture on One Day Workshop on “Machine Learning” at Mahindra Engineering College, Thiruchengode on 1 <sup>st</sup> October 2018.
76	Presented Guest lecture on “Research Directions in Machine Learning” in TEQIP-III Sponsored one week short term course on “CORRELATION OF AI AND ML IN RESEARCH PERSPECTIVE” at Coimbatore Institute of Technology, Coimbatore, on 3 <sup>rd</sup> December 2018.
77	Presented Guest lecture on “Machine Learning for Data Analytics” in One Day FDP at Karpagam Academy of Higher Education, Coimbatore, on 9 <sup>th</sup> January 2019.
78	Delivered Guest Lecture on One Day Workshop on “Machine Learning Using Python” at “Nandha Engineering College, Erode on 9 <sup>th</sup> February, 2019.
79	Delivered Guest Lecture on One Day Workshop on “Big Data Analytics Using Weka and Spark” at Nirmala College for Women, Coimbatore on 2 <sup>nd</sup> March, 2019.
80	Delivered Guest Lecture on Three Day FDP on “Big Data Analytics in Cloud Environment” at Hindhustan College of Engineering and Technology, Coimbatore on 10 <sup>th</sup> June, 2019.
81	Delivered Guest Lecture on Two Day National Workshop on “Predictive Data Analytics using Python and R” at Jansons Institute of Technology, Coimbatore on 18 <sup>th</sup> July, 2019.

82	Delivered Guest Lecture on “Data Structures and its Applications” at Karpagam Academy of Higher Education, Coimbatore on 1 <sup>st</sup> August, 2019.
83	Delivered Guest Lecture on One Day FDP on “Artificial Intelligence and Machine Learning” at Saraswathi Thiagarajar College, Pollachi on 17 <sup>th</sup> August, 2019.
84	Delivered Guest Lecture on One Day Workshop on “Service Oriented Architecture” at Sri Shanmuga College of Engineering and Technology, Sankari, Salem on 13 <sup>th</sup> September, 2019
85	Delivered Guest Lecture on “Introduction to Deep Neural Networks and its Implementations using Keras” in AICTE sponsored Two Week FDP on Fundamentals of Machine Learning, Deep Learning and their applications in Cyber Security at PSNA College of Engineering and Technology, Dindigul on 20 <sup>th</sup> November, 2019.
86	Delivered Guest Lecture on “Introduction to Deep Neural Networks and its Implementations using Keras” in AICTE sponsored Two Week FDP on Deep Learning and Computational Intelligence in Bioinformatics at Sri Krishna College of Engineering and Technology, Coimbatore on 21 <sup>st</sup> November, 2019.
87	Delivered Special Lecture on “Introduction to Neural Networks and its Applications in Medical Diagnosis” in CSIR sponsored Two Day National Seminar on Augmented Reality and Deep Learning with its Applications in Medical Diagnosis at Karpagam College of Engineering, Coimbatore on 22 <sup>nd</sup> November, 2019.
88	Delivered Guest Lecture on “Data Analytics using WEKA” in One Day Hands on Training at Sri Krishna Arts and Science College, Coimbatore on 7 <sup>th</sup> December, 2019.
89	Delivered Guest Lecture on “Adversarial Search and Stochastic Games” in Anna University sponsored One Week FDP on Artificial Intelligence at Sri Krishna College of Technology, Coimbatore on 10 <sup>th</sup> December, 2019.
90	Delivered Special Lecture on “Hands on Practice in PHP” in TEQIP-III sponsored two-day workshop on Introduction to Web Design at Government College of Technology, Coimbatore on 19 <sup>th</sup> December 2019.
91	Delivered Special Lecture on “Optimization Algorithms for Text Classification” in Two Day National Workshop on Text Analytics and Optimization for Social Media Data with Hands-On Session, SRM Institute of Science and Technology, Chennai on 21 <sup>st</sup> February, 2020.
92	Delivered Special Lecture on “MATLAB for Mathematician” in One Day Workshop at Sri Ramakrishna Arts College for Women, Coimbatore on 3 <sup>rd</sup> March, 2020.
93	Delivered Special Lecture on “Introduction to AI and ML” in One Day Workshop at Karpagam College of Engineering, Coimbatore on 6 <sup>th</sup> March, 2020.
94	Delivered Special Lecture on “Long Short-Term Memory and Python Data Visualization” in Tamilnadu Government sponsored Two Week FDP on Machine Learning at Government College of Technology, Coimbatore on 9 <sup>th</sup> March, 2020.
95	Delivered Guest Lecture on “Data Mining using Weka Tool” in TEQIP-III Two Day Workshop on Data Mining at Government College of Engineering, Bargur on 13 <sup>th</sup> March, 2020.
96	Delivered Guest Lecture on “Machine Learning Using Python” in 3 Day FDP at University College of Engineering, Anna University, Dindigul during 18-20, June 2020.
97	Delivered Guest Lecture on “Machine Learning in Medicine” in 5 Day Workshop on “Future in IT era” at Hindusthan Institute of Technology, Coimbatore on 14 <sup>th</sup> July 2020
98	Delivered Guest Lecture on “Neural Networks” in 5 Day FDP on “Machine Learning Techniques” at Saveetha Engineering College, Chennai on 15 <sup>th</sup> July 2020

99	Delivered Guest Lecture on “Machine Learning for Financial Decision Making” in One Day Seminar KG College of Arts and Science, Coimbatore on 7 <sup>th</sup> August 2020
100	Delivered Guest Lecture on “BlockChain and Cryptocurrencies” in AICTE Training and Learning (ATAL) sponsored Five Days Faculty Development Programme on “Block Chain Technology and Applications” in PSNA College of Engineering and Technology, Dindigul on 26 <sup>th</sup> August 2020.
101	Delivered Guest Lecture on “Deep Learning using Python” in AICTE Sponsored STTP on “Deep Learning Applications and Research Challenges in Big Data Analytics” in Velalar College of Engineering and Technology, Erode on 9 <sup>th</sup> September 2020.
102	Delivered Guest Lecture on “Sentiment Analysis and its Applications” and Cryptocurrencies” in AICTE Training and Learning (ATAL) sponsored Five Days Faculty Development Programme on “Artificial Intelligence” in VIT, Chennai on 24 <sup>th</sup> September 2020.
103	Delivered Guest Lecture on “Deep Learning Models for Sentiment Analysis” in AICTE Sponsored STTP on “Deep Learning Applications and Research Challenges in Big Data Analytics” in Velalar College of Engineering and Technology, Erode on 8 <sup>th</sup> October 2020.
104	Delivered Guest Lecture on “Open Source Web Framework for Virtual Reality” in AICTE Sponsored STTP on “Virtual Reality and Augmented Reality” in Sri Krishna College of Engineering and Technology, Coimbatore on 21 <sup>st</sup> October 2020.
105	Delivered Guest Lecture on “Machine Learning Models for Sentiment Analysis” in AICTE Sponsored STTP on “RESEARCH PERSPECTIVES IN MACHINE INTELLIGENCE AND COMPUTING” in Sri Sairam Institute of Technology, Chennai on 29 <sup>th</sup> October 2020.
106	Delivered Guest Lecture on “Data Visualization” in AICTE Sponsored FDP on “Data Science and Its Applications “ in Sri Shakthi Institute of Engineering and Technology, Coimbatore on 16 <sup>th</sup> November 2020.
107	Delivered Guest Lecture on “Python Based Data Visualization Tools” in 5 Day Workshop on FDP on “Research Tools and Techniques” in National Institute of Technology, Pudhucherry on 28 <sup>th</sup> November 2020.
108	Delivered Guest Lecture on “Challenges and Potential Benefits of the Integration of Blockchain and IoT” in AICTE Sponsored STTP on “ Internet of Things (IoT) with Blockchain – Applications and Challenges “ in Velalar College of Engineering and Technology, Erode on 9 <sup>th</sup> January 2021.
109	Delivered Guest Lecture on “Challenges and Potential Benefits of the Integration of Blockchain and IoT” in AICTE Sponsored STTP on “Solidity Language for Ethereum, deploying solidity smart contract in Ethereum BlockChain” in Velalar College of Engineering and Technology, Erode on 5 <sup>th</sup> February 2021.
110	Delivered Special Lecture on “Introduction to Artificial Intelligence, Machine Learning and Deep Learning” in AICTE Training and Learning (ATAL) sponsored Five Days Faculty Development Programme on “Artificial Intelligence, Machine Learning and Deep Learning “ in Karpagam College of Engineering, Coimbatore on 2 <sup>nd</sup> February 2021.
111	Delivered Special Lecture on “Implementation of Machine Learning and Deep Learning approaches using Python” in AICTE Training and Learning (ATAL) sponsored Five Days Faculty Development Programme on “Artificial Intelligence, Machine Learning

	and Deep Learning “ in Karpagam College of Engineering, Coimbatore on 6 <sup>th</sup> February 2021.
112	Delivered Guest Lecture on “Data Analytics using WEKA” in AICTE Sponsored STTP on “Data Science Tools and Techniques” in PSNA College of Engineering and Technology, Dindigul on 9 <sup>th</sup> February 2021.
113	Delivered Guest Lecture on “Data Analytics using RapidMiner” in AICTE Sponsored STTP on “Data Science Tools and Techniques” in PSNA College of Engineering and Technology, Dindigul on 12 <sup>th</sup> February 2021.
114	Delivered Guest Lecture on “R Programming” in One Day Seminar SNS College of Engineering, Coimbatore on 13 <sup>th</sup> March 2021.
115	Delivered Guest Lecture on “High Performance Computing and Big Data” in KTU sponsored Five Day FDP on “High-Performance Computing”- Tools & Technologies for Engineering Applications” in Mount Zion College of Engineering and Technology, Kerala on 23 <sup>rd</sup> March 2021.
116	Delivered Guest Lecture on “Distributed Deep Learning Challenges” in KTU sponsored Five Day FDP on “High-Performance Computing”- Tools & Technologies for Engineering Applications” in Mount Zion College of Engineering and Technology, Kerala on 25 <sup>th</sup> March 2021.
117	Delivered Special Lecture on “Linear Regression and Logistic Regression” in TEQIP-Phase III sponsored five-day FDP on “Problem solving with Data Science: Tools and Techniques” at Coimbatore Institute of Technology, Coimbatore on 22 <sup>nd</sup> March 2021.
118	Delivered Guest Lecture on “Applications of Machine Learning and Deep Learning in Medicine” in Five Day FDP on “Machine Learning and Deep Learning” in CMR Engineering College, Hyderabad on 5 <sup>th</sup> June 2021.
119	Delivered a Keynote speech in “Sensor Data Analytics and Application” at 3 <sup>rd</sup> International Conference on Artificial Intelligence Technologies and Applications (ICAITA 2021) hosted by AEIC Academic Exchange Center, China on 10 <sup>th</sup> September, 2021.
120	Delivered Session on “Open-Source Web Framework for Building Virtual Reality Applications” in AICTE Training and Learning (ATAL) sponsored Five Days Faculty Development Programme on “AR/VR Technologies-A Game Changer for Healthcare Industry” in SNS College of Technology, Coimbatore on 24 <sup>th</sup> September 2021.
121	Delivered Session on “Introduction to Social Network analysis and Semantic Web” in Anna University Sponsored FDTP on “Social Network Analysis” during 20-21, December 2021 at Karpagam Institute of Technology, Coimbatore
122	Delivered Session on “Building Blok chain Applications using Solidity-Healthcare use cases” in AICTE-ISTE sponsored 6 days Induction / Refresher Programme on “Blockchain Technology in Health Care” on 2 <sup>nd</sup> January 2022 at K. Ramakrishnan College of Engineering, Trichy.
123	Delivered a session “Regression Analysis & Clustering” in 5 day Personal Development Programme on “Recent Trends in Machine Learning” on 3 <sup>rd</sup> February 2022 at Karpagam Academy of Higher Education, Coimbatore.
124	Delivered a session “App Environment in AR/VR” in AICTE- ISTE Sponsored Online Six Days Induction/Refresher Programme on Collaboration of AI with AR and VR on 16 <sup>th</sup> February 2022 at KSR Institute for Engineering and Technology, Trichengode.
125	Delivered a Keynote speech in “Artificial Intelligence Techniques for Industrial Data Science” at 3 <sup>rd</sup> International Conference on Artificial Intelligence and Electromechanical

	Automation (AIEA 2022) hosted by AEIC Academic Exchange Center, China on 8 <sup>th</sup> April, 2022.
126	Delivered a session “Machine Learning in Quantum Computing” in DRDO Sponsored Five-Day National FDP on Quantum Machine Learning for Defence and Security Applications on 10 <sup>th</sup> March, 2022 at SRM Institute of Science and Technology (SRMIST), Chennai.
127	Delivered a Keynote speech in “Blockchain and its Applications” at International Conference on Computer Architecture and Software Engineering (CASE 2022) hosted by AEIC Academic Exchange Center, China on 16 <sup>th</sup> April, 2022.
128	Delivered a session “HASHING” in Anna University Sponsored Six-Day FDTP in Data Structures on 25 <sup>th</sup> June, 2022 at Karpagam College of Engineering, Coimbatore.
129	Delivered a session “Python: File and Exception Handling” in Anna University Sponsored Six-Day FDTP in Problem Solving and Python Programming on 22 <sup>nd</sup> July, 2022 at M. Kumarasamy College of Engineering, Karur.
130	Delivered a Keynote speech in “Artificial Intelligence Techniques for Industrial Data Science” at 2 <sup>nd</sup> International Conference on Machine Learning and Intelligent Systems Engineering hosted by Global Scientific Research Association, China on 6 <sup>th</sup> August, 2022.
131	Delivered a Keynote speech in “Blockchain and its Applications” at 2022 2 <sup>nd</sup> International Conference on Advanced Algorithms and Signal Image Processing (AASIP 2022) hosted by AEIC Academic Exchange Center, China on 20 <sup>th</sup> August, 2022.
132	Presented a session on “Data Visualization” in Webinar organized by Dhanalakshmi Srinivasan Engineering College, Perambalur on 3 <sup>rd</sup> September 2022.
133	Delivered a session in one day workshop on “Cyber Security and Cyber Ethics” at 12 <sup>th</sup> October, 2022 at Nandha Engineering College, Erode.
134	Delivered a session “Data Mining using WEKA” in Three-Day Workshop on Data Mining using WEKA and Python on 20 <sup>th</sup> October, 2022 at Kalaignar Karunanidhi Institute of Technology, Coimbatore.
135	Delivered a Keynote speech in “The Big Short with Data Science and Machine Learning in Medicine: from prediction to action” at 3 <sup>rd</sup> International Conference on Public Health and Data Science (ICPHDS 2022) hosted by Academic Exchange Information Center(AEIC), China on 21 <sup>st</sup> October, 2022.
136	Delivered a Keynote speech in “Emergence of Blockchain and its Implementation” at 2022 2 <sup>nd</sup> International Conference on Computer Science and Blockchain (ICCSB 2022) hosted by Academic Exchange Information Center(AEIC), China on 28 <sup>th</sup> October, 2022.
137	Delivered a session “Blockchain and its implementation using Solidity” in One Day Workshop on Cryptocurrency Exchange Application on 4 <sup>th</sup> November, 2022 at Karpagam College of Engineering, Coimbatore.
138	Delivered a session “Python Programming for Image Processing Techniques” in One Day Workshop during 11 <sup>th</sup> November, 2022 at Karpagam College of Engineering, Coimbatore.
139	Delivered a Keynote speech in “Artificial Intelligence Approaches for Digital Manufacturing” at 2022 2 <sup>nd</sup> International Symposium on Artificial Intelligence and Intelligent Manufacturing (AIIM 2022) organized by School of Mechanical Engineering SYLU, China on 2 <sup>nd</sup> December, 2022
140	Delivered a Keynote speech in “Blockchain and its Applications” at 2022 2 <sup>nd</sup> International Conference on Advanced Algorithms and Signal Image Processing

	(ICMLCA 2022) Organized by Shenyang University of Technology, China on 17 <sup>th</sup> December, 2022.
141	Delivered a Keynote speech in “Artificial Intelligence Approaches for Digital Manufacturing” at 2022 2nd International Conference on Computer Graphics, Artificial Intelligence and Data Processing (ICCAID 2022) organized by Guangdong Open University, China on 24 <sup>th</sup> December, 2022
142	Delivered a session “Cryptocurrencies” in Anna University Sponsored Six-Day FDTP in Blockchain on 4 <sup>th</sup> January, 2023 at Kamaraj College of Engineering and Technology, Virudhunagar.
143	Delivered a session “Implementation of Smart Contracts using Solidity” in Anna University Sponsored Six-Day FDTP in Blockchain on 5 <sup>th</sup> January, 2023 at Kamaraj College of Engineering and Technology, Virudhunagar.
144	Delivered a Keynote speech in “Insight into Blockchain and its application in Healthcare” at 2023 International Conference on Intelligent Supercomputing and BioPharma (ISBP 2023) organized by Guangdong High Performance Computing Society, China on 6 <sup>th</sup> January, 2023.
145	Delivered a Keynote speech in “Analysis of Deep Learning and its roles in Machine Vision” at 2023 2nd International Conference on Optics and Machine Vision (ICOMV 2023) organized by GSRA, China on 7 <sup>th</sup> January, 2023.
146	Delivered a Keynote speech in “Investigations on Numerical Optimization Algorithms for Machine Learning and Deep Learning” at 2023 2 <sup>nd</sup> International Conference on Algorithms, Microchips and Network Applications (AMNA 2023), organized by AEIC, China on 15 <sup>th</sup> January, 2023.
147	Delivered a Keynote speech in “The Big Short with Data Science and Machine Learning in Medicine: from prediction to action” at 2023 2nd International Conference on Machine Learning and Artificial Intelligence (MLAI 2023), organized by Beijing Institute of Technology, China on 18 <sup>th</sup> February, 2023.
148	Delivered a Keynote speech in “AI Paradigm Shift: ChatGPT-Challenges And Opportunities” at 2023 2 <sup>nd</sup> International conference on Cloud Computing, Performance Computing and Deep Learning (CCPCDL 2023), organized by Zhejiang University of Water Resources and Electric Power, China on 18 <sup>th</sup> February, 2023.
149	Delivered a session “Machine Learning Demystified ” in One Day Seminar on Artificial Intelligence and Machine Learning on 23 <sup>rd</sup> February, 2023 at Karpagam Institute of Technology, Coimbatore.
150	Delivered a session “AI Paradigm Shift: ChatGPT” in Yugam Annual Festival on 27 <sup>th</sup> February, 2023 at Kumaraguru College of Technology, Coimbatore.
151	Delivered a session “Machine Learning” in Two Day Seminar on Artificial Intelligence and Machine Learning on 30 <sup>th</sup> March, 2023 at Karpagam Institute of Technology, Coimbatore.
152	Delivered a session “Conversational AI: ChatGPT” in ISTE Sponsored National Technology Day on 11 <sup>th</sup> May, 2023 at PSNA College of Engineering and Technology, Dindigul.
153	Delivered a Keynote speech in “Analysis of Deep Learning and its roles in Machine Vision” at 2023 6th International Conference on Computer Information Science and Application Technology (CISAT 2023) Organized by Dalian Jiaotong University, China on 27 <sup>th</sup> May, 2023.

154	Delivered a session “Insight into Data Science with Python” in Five-Day FDP in Emerging Trends in Information Technology on 30 <sup>th</sup> June, 2023 at Hindusthan College of Engineering and Technology, Coimbatore.
155	Delivered a Keynote speech in “Analysis of Deep Learning and its roles in Machine Vision” at 2023 3rd International Conference on Control and Intelligent Robotics (ICCIR 2023) Organized by School of Information Engineering Harbin University, China on 30 <sup>th</sup> June, 2023.
156	Delivered a session “Data Analytics using Python” in One Day Workshop during 28 <sup>th</sup> July, 2023 at Karpagam College of Engineering, Coimbatore.
157	Delivered a session in IEI sponsored one day workshop on “Insights into Data Science and its Application in Cyber Security” at 2 <sup>nd</sup> August, 2023 at Nandha Engineering College, Erode.

### Conference Chair / Jury (18)

1	Officiated as a <b>Conference Session Chair</b> for a National Conference on Innovation in Information Technology (NCIIT-10) at <b>Bannari Amman Institute of Technology, Sathyamangalam</b> on 17 <sup>th</sup> February 2010.
2	Officiated as a <b>Conference Session Chair</b> for a DRDO Sponsored National Conference on Innovation in Information Technology (NCIIT-10) at <b>Bannari Amman Institute of Technology, Sathyamangalam</b> on 25 <sup>th</sup> February 2011.
3	Officiated as a <b>Session Chair of Paper Presentation Contest</b> for a National Level Technical Symposium FUTURA-2010 at <b>Bannari Amman Institute of Technology, Sathyamangalam</b> on 4 <sup>th</sup> September 2010.
4	Officiated as a <b>Conference Session Chair</b> for a Third National Conference on Recent Trends in Communication, Networking and Computing (NCR CNC-2012) at <b>Hindusthan College of Engineering and Technology, Coimbatore</b> on 17 <sup>th</sup> March 2012.
5	Officiated as a <b>Conference Session Chair</b> for a DRDO Sponsored National Conference on Innovation in Information Technology (NCIIT-13) at <b>Bannari Amman Institute of Technology, Sathyamangalam</b> on 22 <sup>nd</sup> February 2013.
6	<b>Session Chair</b> for the <b>National Conference on Recent Advances in Computing (NCRAC-2013)</b> on 08 <sup>th</sup> March 2013 at <b>Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu</b> .
7	<b>Session Chair</b> for the <b>paper presentation contest in Technical Symposium WIZLUCIUS'13</b> at <b>Sri Krishna College of Engineering and Technology, Coimbatore</b> , on 09 <sup>th</sup> March 2013.
8	<b>Session Chair</b> for the <b>paper presentation contest in Technical Symposium RHETORGIC'14</b> at <b>Christ The King Engineering College, Coimbatore</b> , on 27 <sup>th</sup> September 2014.
9	<b>Jury</b> for the Logo Design Contest in <b>ISTE sponsored Entertainment fest-SPASSO'15</b> conducted at <b>Coimbatore Institute of Engineering and Technology, Coimbatore</b> , on 17 <sup>th</sup> March 2015.
10	<b>Session Chair</b> for the <b>International Conference on Intelligent Systems and Control (ISCO-2016)</b> at <b>Karpagam College of Engineering, Coimbatore</b> during 7 <sup>th</sup> & 8 <sup>th</sup> January 2016.

11	Session Chair for One Day Conference on “ <b>Advances in Computational Sciences</b> ” at <b>Karpagam University, Coimbatore</b> on 18 <sup>th</sup> February 2017.
12	Session Chair for Two Day International Conference on “ <b>ICIIECS’17</b> ” at <b>Karpagam College of Engineering, Coimbatore</b> on 17 <sup>th</sup> March 2017.
13	Session Chair for Two Day <b>International Conference on Latest Trends in Science, Engineering and Technology</b> at <b>Karpagam Institute of Technology, Coimbatore</b> on 30 <sup>th</sup> March 2017.
14	Session Chair for Two Day International Conference on Latest Trends in Science, Engineering and Technology at <b>Karpagam Institute of Technology, Coimbatore</b> on 27 <sup>th</sup> March 2018.
15	Session Chair for 7 <sup>th</sup> International Conference on Smart Structures and Systems at <b>Saveetha Engineering College, Chennai</b> on 23 <sup>rd</sup> July 2020.
16	Session Chair for First International Conference on Artificial Intelligence and Smart Computing 2020 conducted by <b>Bannari Amman Institute of Technology, Erode</b> on 16 <sup>th</sup> October, 2020.
17	Session Chair for Two Day International Conference on Latest Trends in Science, Engineering and Technology at <b>Karpagam Institute of Technology, Coimbatore</b> on 26 <sup>th</sup> March 2021.
18	Session Chair for Second International Conference on Artificial Intelligence & Smart Computing at Bannari Amman Institute of Technology, Sathyamangalam on 11 <sup>th</sup> March 2022.

### Chief Guest (7)

1	Chief Guest for the CSE Association Inaugural Function “ <b>TRAVAN 2015</b> ” at <b>Dhanalaksmi Engineering College, Perambalur</b> during 17 <sup>th</sup> August 2015.
2	Chief Guest for the school function “ <b>i-Tech 2012</b> ” at <b>SBOA Matriculation Higher Secondary School, Coimbatore</b> during 24 <sup>th</sup> November 2012.
3	Chief Guest for Inaugural function of the <b>ICMR Sponsored “National Level Seminar on Virtual Reality and its Application in Healthcare Industry”</b> , <b>Erode Sengunthar Engineering College, Erode</b> on 2 <sup>nd</sup> March, 2018.
4	Chief Guest for the One Day Hands on Training on “ <b>Machine Learning using RapidMiner</b> ” at <b>Kaveri Engineering College, Mettur, Salem</b> on 2 <sup>nd</sup> August, 2018.
5	Chief Guest for the One Day International Seminar on Contemporary Techniques at Velalar College for Women, Erode on 21 <sup>st</sup> August, 2018.
6	Chief Guest for the One Day Workshop on “ <b>Bigdata Analytics using Weka-Integrating Weka with Spark</b> ” at Krishnaswamy College of Engineering and Technology, Cuddalore on 25 <sup>th</sup> , 2018.
7	Chief Guest for the ISTE Sponsored National Technology Day on 11 <sup>th</sup> May, 2023 at PSNA College of Engineering and Technology, Dindigul.

### Academic Council Member (1)

- Acting as Academic Council Member for Karpagam College of Engineering, Coimbatore

### BoS Members (5)

- Acted as Board of Study member for IT department of Sri Krishna College of Engineering and Technology, Coimbatore

- Acting as Board of Study member for CSE department of Karpagam College of Engineering, Coimbatore
- Acting as Board of Study member (Academic Expert) for BSc-AI and ML department of Sree Saraswathi Thyagaraja College, Pollachi.
- Acting as Board of Study member for AIDS department of Coimbatore Institute of Engineering and Technology, Coimbatore.
- Acting as Board of Study member for CSE(CS) department of PSNA College of Engineering and Technology, Dindigul.

### Doctoral Committee Member (27)

- Acting as a Doctoral Committee Member for 25 PhD Research Scholars of Anna University, Chennai.
- Acting as a Doctoral Committee Member for 2 PhD Research Scholar of Karunya Institute of Technology and Sciences, Coimbatore.

### Expert Member for Curriculum and Syllabus Formulation (3)

- Kongu Engineering College
- SRM Institute of Science and Technology
- Dr. NGP Institute of Technology

### Book/Book Chapter Publications (5)

- Published a book Titled “**LinkedList Demystified: A Placement Perspective**”, Charulatha Publications, **ISBN-978-93-5577-177-3**, 2022.
- Published a book Titled “**Artificial Intelligence**”, Umayam Publications, **ISBN-819030416-x**, 2011.
- Published a Book Chapter Titled “**Stellar Mass Black Hole for Engineering Optimization**” in Recent Developments in Intelligent Nature-Inspired Computing, IGI-Global publication, 2017. [Web of Science]
- Book Chapter Titled “**Data Mining and Machine Learning Approaches in Breast Cancer Biomedical Research**” in Sentiment Analysis and Knowledge Discovery in Contemporary Research, IGI-Global publication, 2018
- Book Chapter Titled “**Trend and Predictive Analytics of Dengue Prevalence in Administrative Region**” in Handbook of Research on Applications and Implementations of Machine Learning Techniques, IGI Global, USA,2019

### Journal Publications (59)

1	Kannimuthu S, Dr. K. Premalatha, ‘Discovery of High Utility Itemsets Using Genetic Algorithm with Ranked Mutation’, Applied Artificial Intelligence, Taylor & Francis Journal, Vol. 28, No. 4, pp. 337-359, 2014 [SCI, Scopus Indexed, Impact Factor: 1.172]
2	Kannimuthu S, Dr. K. Premalatha, ‘A Distributed Approach to Extract High Utility Itemsets from XML Data’, World Academy of Science, Engineering and Technology, International Journal of Computer, Information Science and Engineering, Vol. 8, No. 3, pp. 460-468, 2014 [SJR: 0.12- Scopus Indexed]

3	Kannimuthu S, Dr. K. Premalatha & Dr. S. Shankar, “A Novel Approach to Extract High Utility Itemsets from Distributed Databases”, Computing and Informatics Journal, Vol. 31, No. 6+, pp. 1597-1615, 2012 [SCI, Scopus Indexed, Impact Factor-0.524].
4	Kannimuthu S, Dr. K. Premalatha, “UP-GNIV: An Expeditious High Utility Pattern Mining Algorithm for Itemsets with Negative Utility Values”, International Journal of Information Technology and Management: Inder science Journal, Vol. 14, No. 1, pp. 26-42, 2015 [SJR: 0.16-Scopus Indexed]
5	Kannimuthu S, Dr. K. Premalatha, “Discovery of High Utility Itemsets Using Genetic Algorithm”, International Journal of Engineering and Technology, Vol. 5, No.6, pp.4866-4880, 2013 [SJR: 0.18-Scopus Indexed]
6	Kannimuthu S, Dr. K. Premalatha & Shankar S, “iFUM-Improved Fast Utility Mining”, International Journal of Computer Applications, Vol. 27, No. 11, pp. 32-36, 2011.
7	Shankar S , Dr.T.Purusothaman, Kannimuthu S , Vishnu Priya K , “A Novel Utility and Frequency Based Itemset Mining Approach for Improving CRM in Retail Business”, International Journal of Computer Applications, Vol. 1, No. 16, 2010.
8	Deepa S P, Kannimuthu S, Keerthika, “Security Using Colors and Armstrong Numbers”, IEEE Xplore, pp. 157-160, ISBN-978-1-61284-807-5, DOI-10.1109/NCOIET.2011.5738822.
9	S. Kannimuthu, Dr. K. Premalatha and Dr. S. Shankar. “Investigation of High Utility Itemset Mining in Service Oriented Computing: Deployment of Knowledge as a Service in E-Commerce”, IEEE Xplore, ISBN-978-1-4673-5583-4, DOI: <a href="https://doi.org/10.1109/IcoAC.2012.6416812">10.1109/IcoAC.2012.6416812</a> , 2012.
10	Karthick Kannan, Deepa S.P, Kannimuthu S, “Wireless Tongue- Teeth Operated System for Physically Challenged People to Operate Computer”, Proc. Of Intl. Conf. on Advances in Computer Engineering, 2011.
11	Kannimuthu S, Gunasekaran S, Roopa S ‘Review on Hiding the Sensitive High Utility Itemsets’, International Journal of Computer Applications, Vol. 119, No. 13, pp. 30-33, 2015
12	Dr. Kannimuthu S, Dr. K. Premalatha, Dr. G. Usha, ‘Survey on Recent Developments in Utility based data mining’, International Journal of Innovative Science, Engineering and Technology, Vol. 2, No. 9, pp. 894-901, 2015
13	K. Venkatachalam, Dr. N.K. Karthikeyan, Dr. S. Kannimuthu, ‘Comprehensive Survey on Semantic Web Service Discovery and Composition’, Advances in Natural and Applied Sciences, Vol. 10, No. 5, pp.32-40, 2016 [SJR: 0.13- Scopus Indexed]
14	G. Usha, Dr. S. Kannimuthu, M. Karthi, J. Joshua ‘An Analytical Approach to Detect and Isolate Attacks in Mobile Adhoc Networks Using Cross Layer Feedback’, Asian Journal of Information Technology, Vol. 15, No. 4, pp.694-702, 2016 [SJR: 0.11- Scopus Indexed]
15	Sreega S, Dr. S. Kannimuthu, Dr. K. Bhanu & Mrs. K. Bhuvaneshwari, “A Systematic Exposition of Internet of Things (IoT) and Security Issues”, Middle East Journal of Scientific Research, Vol. 24, No. 9, pp. 2739-2751, 2016 [SJR:0.16, Scopus]

16	P Arulprakash, P Sengottuvelan, S Kannimuthu, “Hybrid Fuzzy Logic based Proactive Energy Optimizing”, Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 9, pp. 2082-2089, 2016.
17	G Usha, S Kannimuthu, “A Secured Cross Layer AODV Routing to Detect and Isolate Black Hole Attacks (SCLARDI) for MANET”, Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 25, No. 4, pp. 2761-2769, 2017 [SCI, Scopus Indexed, Impact Factor: 0.682].
18	S. Kannimuthu, C. K. Somesh, P. D. Mahendhiran, D. Bhanu and K. S. Bhuvaneshwari, “Certain Investigation on Significance of Internet of Things (IoT) and Big Data in Vehicle Tracking System”, Indian Journal of Science and Technology, Vol 9, No. 39, pp. 1-7, 2016 [SJ:0.27, WOS]
19	S Sangeetha, S Kannimuthu, PD Mahendhiran, “Survey on Big Data Analytics and its Applications”, International Journal of Computer Applications, Vol. 153, No. 12, pp. 9-12, 2017
20	C Priyadharsini, S Kannimuthu, “An Intillegent Decision Making System for Flood Prediction”, Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 2, pp. 195-207, 2017
21	G. Usha, S. Kannimuthu, M. Karthi, Gayathri Devi, “Survey of Single and Cross Layer Security in MANET”, Indian Journal of Science and Technology, Vol. 9, No. 41, pp. 1-9, 2016 [SJ:0.27, WOS]
22	G. Usha, S. Kannimuthu, D. Bhanu, K.S. Bhuvaneshwari and H. Karthikeyan, “Taxonomy of Worm Hole Attack Solutions in MANET”, International Journal on Control Theory and its Applications, Vol. 9, No. 14, pp. 1101-1108, 2017 [Scopus Indexed, SJ:0.53]
23	R. Aishwarya, A.Gokulapriya &Dr. S. Kannimuthu, “Certain Investigation on graph Theory and its Applications”, International Journal of Scientific Research, Vol. 6, No. 5, pp. 580-582, 2017.
24	C Priyadharsini, S Kannimuthu, “Polyhedron Model for three dimensional node deployments in Underwater Sensor Network”, Journal of Computational and Theoretical Nanoscience, Vol. 14, No. 12, pp. 5858-5862, 2017 [Scopus Indexed, SJ: 0.23]
25	P. D. Mahendhiran &S. Kannimuthu, “Deep Learning Techniques for Polarity Classification in Multimodal Sentiment Analysis”, Int. J. Info. Tech. Dec. Mak. Vol. 17, No. 3, pp. 883-910, 2018. [SCI, Scopus Indexed, Impact Factor: 1.894].
26	Mrs. K.S. Bhuvaneshwari, D. Bhanu & S. Kannimuthu, “Probabilistic Variable Precision Fuzzy Rough Set Technique for Discovering Optimal Learning Patterns in E-learning”, International Journal of Business Intelligence and Data Mining, Inder science Journal, Vol. 14, No. 1-2, 121-137, 2019 [Scopus Indexed, SJ: 0.19]
27	Dr. S. Kannimuthu& Dr. K. Premalatha, “Stellar mass black hole optimization for utility mining”, International Journal of Data Analysis Techniques and Strategies, Inder science Journal, Vol. 11, No. 3, 222-245, 2019. [Scopus Indexed, SJ: 0.19]

28	PM Arunkumar, S Chandramathi, S Kannimuthu, “Sentiment analysis-based framework for assessing internet telemedicine videos”, International Journal of Data Analysis Techniques and Strategies, Vol. 11, No. 4, pp. 328-336, 2019.[Scopus Indexed, SJR: 0.19]
29	Chola Raja K, Kannimuthu S, “Certain Investigation on Cross Domain Data Fusion”, International Journal of Applied and Pure Mathematics, Vol. 118, No. 10, pp. 1-7, 2018 [Scopus Indexed, SJR: 0.25].
30	Mahendiran PD, Kannimuthu S, N.V. Balaji, “Certain Investigation on Context Aware Computing”, International Journal of Applied and Pure Mathematics, Vol. 118, No. 11, pp. 71-79, 2018 [Scopus Indexed, SJR: 0.25].
31	Dr. P.M. Arunkumar, Dr. S. Kannimuthu, “Mining Big data streams using Business analytics tools: A bird’s eye view on MOA and SAMOA”, International Journal of Business Intelligence and Data Mining, Inder science Journal, Vol. 17, No. 2, pp. 226 – 236, 2020 [Scopus Indexed, SJR: 0.19, AU Annexure-I]
32	Sharmila Devi V, Kannimuthu S KCE_Dalab@CMEEIL-FIRE2017:Event Extraction using Support Vector Machines, CEUR Working Notes, 2036, pp. 144-146, 2017 [Scopus Indexed]
33	D. Aarthi, S. Kannimuthu & Subhashree, “Utility Mining Algorithms: A Bird’s Eye View”, Lecture Notes on Data Engineering and Communications Technologies [Scopus], pp. 446-458, 2019
34	Nithyanantham, S., Kannimuthu S, Analysis of security issues for the internet of vehicles in India, International Journal of Engineering and Technology(UAE), 7(1.3 Special Issue 3), pp. 181-186, 2018[Scopus Indexed]
35	Usha G and Kannimuthu S , Augmentation and Orchestration of Security Techniques in Fog Computing International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, No. 2S4, pp. 143-148, 2019 [Scopus Indexed]
36	Dr. S. Kannimuthu, Dr. D. Bhanu, Dr. K.S. Bhuvaneshwari, “Performance Analysis of Machine Learning Algorithms for Dengue Disease Prediction”, Journal of Computational and Theoretical Nanoscience, Vol. 16, No. 12, pp. 5105-5110, 2020 [Scopus Indexed]
37	Dr. S. Kannimuthu, D. Gowtham Chakravarthy “Extreme gradient boost classification based interesting user patterns discovery for web service composition”, Mobile Networks and Applications, Springer, Vol. 24, No. 6, pp. 1-13, 2020 [SCI, Scopus, IF: 2.602]
38	Dr. S. Kannimuthu, Dr. D. Bhanu, Dr. K.S. Bhuvaneshwari “A novel approach for agricultural decision making using graph coloring”, SN Applied Sciences, Springer, Vol. 2, No. 31, 2020 [SCI].
39	PM Arunkumar, S Kannimuthu, “Machine Learning Based Automated Driver-Behavior Prediction For Automotive Control Systems”, Journal of Mechanics of Continua and Mathematical Sciences, Vol. 7, pp. 1-12, 2020 [WOS].
40	G Usha, S Kannimuthu, PD Mahendiran, Anusha Kadambari Shanker, Deepti Venugopal, “Static analysis method for detecting cross site scripting vulnerabilities”, Journal International Journal of Information and Computer Security, Vol.13, No.1, pp.32-47, 2020 [Scopus]

41	D Gowtham Chakravarthy, S Kannimuthu, “Mining interesting actionable patterns for web service composition”, Journal of Ambient Intelligence and Humanized Computing, pp. 1-7, 2020[SCI, IF: 4.594]
42	V Sharmila Devi, S Kannimuthu, G Ravikumar, M Anand Kumar, “KCE DALab-APDA@FIRE2019: Author Profiling and Deception Detection in Arabic using Weighted Embedding”, Journal Working Notes of FIRE 2019 – Forum for Information Retrieval Evaluation, Vol. 2517, pp. 136-143 [Scopus]
43	Lavanya S, Mythili K, Kannimuthu S, “An Integration of Big Data Analytics and Cyber Security-A Panoramic Survey”, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol. 11, No.9, pp. 747-754, 2020 [Scopus]
44	R Gopi, ST Suganthi, R Rajadevi, P Johnpaul, Nebojsa Bacanin, S Kannimuthu, “An Enhanced Green Cloud Based Queue Management (GCQM) System to Optimize Energy Consumption in Mobile Edge Computing”, Wireless Personal Communications, pp. 1-23, 2021, DOI: <a href="https://doi.org/10.1007/s11277-021-08084-0">https://doi.org/10.1007/s11277-021-08084-0</a>
45	KS Bhuvaneshwari, D Bhanu, S. Kannimuthu, K. Akilesh, Frequently Accessed Binary Search Tree (Fast), Solid State Technology [Scopus], Vol. 63, No. 5, pp. 9751-9765, 2020
46	Bhuvaneshwari, D.K., Kannimuthu, D.S., & Sagar, K.V. (2021). Effective Radical Driver Support System Using Machine Learning Methods for Connected Vehicles, Turkish Journal of Physiotherapy and Rehabilitation; 32(2), pp. 1024-1031.
47	Arunkumar PM & Kannimuthu S, Covid-19 Disease Prediction Using Machine Learning – An Overview, International Journal of Aquatic Science [WoS], Vol. 12, No. 3, pp. 1160-1170, 2021.
48	Kannimuthu S & Arunkumar A, Machine Learning Based Approach for Corona Virus Disease Recovery Prediction, International Journal of Aquatic Science [WoS], Vol. 12, No. 3, pp. 1188-1199, 2021.
49	Priyadharsini. C & Kannimuthu S, Investigations of Drones for Pesticide Spraying in Agriculture, International Journal of Aquatic Science [WoS], Vol. 12, No. 3, pp. 1150-1159, 2021.
50	KS Bhuvaneshwari, M Vigenesh, D Bhanu, S Kannimuthu, A Gwhsc-A Genetic Algorithm Based Weighted Hybrid Classifier For SMS Spam, nveo-natural volatiles & essential oils journal, Vol. 8, No. 5, pp. 621–633, 2021.
51	Cholaraja K & Kannimuthu S, “Conditional Generative Adversarial Network approach to predict autism spectrum disorder”, Computer Systems Science and Engineering, Vol. 74, No. 1, pp. 741–755 [SCI, IF:1.486]
52	Mahendiran PD & Kannimuthu S, “CLSA-CapsNet: Dependency based concept level sentiment analysis for Text”, Journal of Intelligent & Fuzzy Systems, Vol. 43, No. 1, pp. 1–17, 2022. [SCI, IF:1.739]
53	Kannimuthu S, Gowtham Chakravarthy D, “Discovery of Interesting Itemsets for Web Service Composition Using Hybrid Genetic Algorithm”, Neural Processing Letters [Published Online March 2022], [SCI, IF:2.908]

54	Ramesh PN & Kannimuthu S, “Practice Problem Recommendation Using Learner’s Skill Level Navigation Patterns”, Intelligent Automation & Soft Computing, Vol.35, No.3, pp. 3845-3860, 2023 [SCI, IF:3.401]
55	Sharmila Devi V & Kannimuthu S, “Author Profiling in Code-Mixed WhatsApp Messages using Stacked Convolution Networks and Contextualized Embedding based Text Augmentation”, Neural Processing Letters. [Published Online July 2022], [SCI, IF:2.565]
56	Cholaraja K & Kannimuthu S, “A Hybrid method for predicting autism spectrum disorder using Population Graph based Ensemble method and Conditional Generative Adversarial Network”, Journal of Medical Imaging and Health Informatics, [Accepted for publication]
57	Dr. S. Kannimuthu & Dr. K. Premalatha, “Mining High Utility Itemsets using Genetic Algorithm Based-Particle Swarm Optimization (GA-PSO)”, Journal of Intelligent & Fuzzy Systems, Vol. 44, No. 1, pp. 1169-1189, 2023.[SCI, IF:2]
58	Ms. Sreeja BP, Dr. M. Prakash & Dr. S. Kannimuthu, “An Enhanced Localization Approach for Energy Conservation in Wireless Sensor Network with Q Deep Learning Algorithm” , Symmetry, Vol. 14, No. 12, 2515 [SCI, IF:2.940]
59	Cholaraja K & Kannimuthu S “Deep learning with hybrid Meta-heuristics approach-based feature selection and prediction system for Autism spectrum disorder”, Journal of Intelligent & Fuzzy Systems, Vol. 45, No. 1, pp. 797-807, 2023. .[SCI, IF:2]

### Conference Publications (9)

1	Presented a paper titled “ <b>Software Interface for Rainfall Animation Over Globe</b> ” in a National Conference conducted by CSI College of Engineering, Ooty.
2	Presented a Paper titled “ <b>Modeling a Network Intrusion Detection System using Random Forests</b> ” in a National Conference on Information Technology conducted by Bangalore Institute of Technology, Bangalore
3	Presented a Paper titled “ <b>Wireless Tongue- Teeth Operated System for Physically Challenged People to Operate Computer</b> ” and it is published in Proc. Of Int. Conf. on Advances in Computer Engineering 2011
4	Presented a Paper titled “ <b>TQM: A Driving Force to Face Challenges in Technical Education</b> ” at Anna University, Chennai, Madurai Region and it is published in Proc. Of National. Conf. on Reaching the Unreached: A Challenge to Technical Education.
5	Presented a Paper titled “ <b>Investigation of high utility itemset mining in service-oriented computing: deployment of knowledge as a service in e-commerce</b> ”, in a International Conference on Advanced Computing (IcoAC-2012) conducted by Madras Institute of Technology (MIT), Chennai
6	Presented a Paper titled “ <b>Certain Investigation on Cross Domain Data Fusion</b> ”, in a International Conference on Electrical and Electronics Instrumentation and Computer Communication conducted by Karpagam College of Engineering Coimbatore.
7	Presented a Paper titled “ <b>Comprehensive Survey on Context Aware Computing</b> ”, in an International Conference on Electrical and Electronics Instrumentation and Computer Communication conducted by Karpagam College of Engineering Coimbatore.
8	Presented a Paper titled “ <b>A Novel Approach for Agricultural Decision Making using Graph Coloring</b> ” in an International Conference on IoT, Social, Mobile, Analytics and Cloud in Computational Vision and Bio-Engineering (ISMAC-CVB 2019) organized by

	Vivekananda College of Technology for Women, March 13-14, 2019.
9	Presented a Paper titled “ <b>Augmentation and Orchestration of Security Techniques in Fog Computing</b> ” in an International Conference on 4 <sup>th</sup> International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems organized by Dept. of Software Engineering, SRM Institute of Science and Technology, Chennai, April 11-13, 2019.

#### Editor for the Refereed Conference Proceedings (5):

- Proceedings of International Conference on Computer Technology and Media Convergence Design (CTMCD-2022) (Atlantis Press) (Link: <https://www.atlantis-press.com/proceedings/ctmcd-22/125978903>)
- Proceedings of Second International Conference on Advanced Algorithms and Signal Image Processing (AASIP-2022) (SPIE) (Link: <https://www.spiedigitallibrary.org/proceedings/Download?urlId=10.1117%2F12.2664730>)
- Proceedings of Third International Conference on Intelligent Computing and Human-Computer Interaction (ICHCI 2022) (SPIE) (Link: <https://spie.org/Publications/Proceedings/Volume/12509>)
- Proceedings of Second Guangdong-Hong Kong-Macao Greater Bay Area Artificial Intelligence and Big Data Forum (AIBDF 2022) (SPIE) (Link: <https://spie.org/Publications/Proceedings/Paper/10.1117/12.2673262?SSO=1>)
- Proceedings of International Conference on Cloud Computing, Performance Computing, and Deep Learning (CCPCDL 2023) (SPIE) (Link: <https://spie.org/Publications/Proceedings/Volume/12712?SSO=1>)

#### Conference General Chair / Publication Chair for the International Conference (7)

1. Acted as Publication Chair for International Conference on Artificial Intelligence and Electromechanical Automation, Changsa, China, April 8-10, 2022.
2. Acted as Publication Chair for International Conference on Computer Architecture and Software Engineering (CASE 2022), Hangzhou, China, April 15-17, 2022.
3. Acted as Publication Chair for International Conference on Advanced Control and Intelligent Systems (ACIS2022), Hangzhou, China, April 15-17, 2022
4. Acted as Publication Chair for 2<sup>nd</sup> International Conference on Computer Technology and Media Convergence Design (CTMCD 2022), Dali, China, May 13-15, 2022
5. Acted as Publication Chair for 3<sup>rd</sup> International Conference on Intelligent Computing and Human-Computer Interaction (ICHCI 2022), Hangzhou, China, August 14-16, 2022.
6. Acted as Publication Chair for 2<sup>nd</sup> International Conference on Advanced Algorithms and Signal Image Processing (AASIP 2022), China, August 19-21, 2022.
7. Acted as Conference General Chair for the 2<sup>nd</sup> International Conference on Bigdata Blockchain and Economy Management (ICBBEM 2023), March 17-19, 2023.

#### Program Committee Member / Session In-charge for Conferences (12)

1. Programme Committee member for International Conference on Big Data and Advanced Wireless Technologies, American University in Bulgaria. Blagoevgrad, Bulgarie-2016.
2. Programme Committee member for the First International Workshop on Nature Inspired Computing for Optimization and Management NICOM, SOA University & Chairman, IIMT, Bhubaneswar, India.
3. Technical Programme Committee member for International Conference on Advanced Computing and Intelligent Engineering, 23-25 November, 2017, Central University of Rajasthan, Ajmer, India.

4. Technical Programme Committee member for 3<sup>rd</sup> International Conference on “Next Generation Computing Technologies” (NGCT-2017) School of Computer Science & Engineering University of Petroleum & Energy Studies Bidholi Campus, Dehradun Uttarakhand (INDIA).
5. Programme Committee member for International Conference on Recent Trends in Advanced Computing (ICRTAC-2020), VIT Chennai.
6. Programme Committee member for International Conference on Recent Trends in Advanced Computing (ICRTAC-2021), VIT Chennai.
7. Programme Committee member for 2022 International Conference on Algorithms, Data Mining, and Information Technology (ADMIT 2022), Xi’an, China.
8. Programme Committee member for International Conference on Intelligent Manufacturing and Industrial Big Data (ICIMIBD), Changsha, China, October 28 to October 30, 2022.
9. Programme Committee member for Asia Conference on Computer Vision, Image Processing and Pattern Recognition (CVIPPR 2023) will be held in Phuket, Thailand during April 28-30, 2023.
10. Programme Committee member for 2022 3<sup>rd</sup> International Conference on Machine Learning and Computer Application (ICMLCA 2022), 25-27, November, 2022.
11. Programme Committee member for 2022 2<sup>nd</sup> International Conference on Internet of Things and Machine Learning (IoTML 2022) , 16-18, December, 2022.

#### Journal/Book Review (55+4)

Journals	
1	JISE Journal –An International Journal of Information Science and Engineering.
2	Journal of Information Science.
3	Journal of Grid and Web services.
4	Applied Mathematics and Information Sciences.
5	Biomedical Research Journal.
6	WIRES Data Mining and Knowledge Discovery.
7	Applied Soft Computing.
8	Heliyon Journal.
9	Journal of Ambient Intelligence and Humanized Computing.
10	Journal of Indian Geophysical Union
11	Bulletin of the Polish Academy of Sciences: Technical Sciences
12	Computer Systems Science and Engineering
13	CMC-Computers, Materials & Continua
14	International Journal of Nanotechnology
15	Chaos, Solitons & Fractals
16	Neural Processing Letters
17	Journal of Electronic Imaging
18	Adsorption Science & Technology
19	Intelligent Automation and Soft Computing
20	Mathematical Problems in Engineering

21	Applied Artificial Intelligence
22	Journal of Medical Imaging and Health Informatics
23	Neural Networks
24	Journal of Interconnection Networks
25	PeerJ Journal
26	Frontiers in Neurorobotics
27	Knowledge Based Systems
28	Machine Learning with Applications
29	Human-centric Computing and Information Sciences
30	Annals of Operations Research
31	Data & Knowledge Engineering
32	Journal of Healthcare Engineering
33	Sustainable Energy Technologies and Assessments
34	IET Networks
35	The Computer Journal
36	Internet of Things and Cyber-Physical Systems
37	Frontiers in Neuroinformatics
38	Frontiers in Psychology
39	Biomedical Research International
40	Frontiers in Nutrition
41	International Journal of Computational Vision and Robotics
42	Frontiers In Behavioral Neuroscience
43	Information Sciences
44	Computers & Security
45	Acta Informatica Pragensia
46	Artificial Intelligence in Medicine
47	Engineering Applications of Artificial Intelligence
48	Journal of Mathematics
49	Journal of the Knowledge Economy
50	The international Arab journal of information technology
51	Information Fusion
52	Journal of Intelligent and Fuzzy Systems
53	The Journal of Supercomputing
54	Decision Analytics
55	International Journal of Intelligent Networks
<b>Books</b>	
1	Reviewer for the book titled “ <b>Object Oriented Programming with C++</b> ”, E. Balagurusamy, Fifth Edition, Tata McGraw Hill Education.
2	Reviewer for the book title “ <b>Mastering C</b> ”, K.R. Venugopal & Sudeep R Prasad, Second Edition, Tata McGraw Hill Education.
3	Reviewer for the book title “ <b>Mastering C++</b> ”, K.R. Venugopal, Rajkumar, T. Ravishankar, Tata McGraw Hill Education.
4	Reviewer for IGI Global Book Chapter

### Professional Membership (3)



Researcher ID [L-1502-2019](https://orcid.org/0000-0002-8606-7278)



0000-0002-8606-7278



<https://github.com/kannimuthu/>



<http://skannimuthu.blogspot.com>

- Member of IEEE (ID: 99320117)
- Lifetime member of Indian Society for Technical Education (ISTE). (LM-94315)
- Lifetime member of IAENG

### Seminars/Workshops Organized (11)

S. No	Programme	Date
1.	Organized <b>DRDO Sponsored</b> Two days National Level workshop on “Cloud Computing”	February 24-25, 2012
2.	Organized <b>DRDO Sponsored</b> Two days National Level workshop on “Data mining using SQL Server 2008 and Weka”	September 29-30, 2011
3.	Organized Two-day workshop on “J2ME and WSN”	August 26-27, 2011
4.	Organized Two-day workshop on “Software Testing”	August 11-12, 2010
5.	Organized Two-day Workshop on “Advanced Java Programming and Component Based Technology”	August 07-08, 2009
6.	Organized Two days internal Workshop on “Advanced Java Programming” at SKCET	June 15-16, 2009
7.	Organized One day internal Workshop on “Data Mining Tools” at CIET	8-Apr-14
8.	Organized One day internal Workshop on “Big Data Analytics” at CIET	30-Mar-15
9.	Organized One day internal Workshop on “Importance of Data Structures in Software Industry” at KCE.	13-Feb-16
10.	Organized <b>ISRO Sponsored</b> “Two Day Seminar on Deep Learning Models for Cyber Security and Remote Sensing” at KCE.	July 13-14, 2017
11	Organized <b>CSIR Sponsored</b> “Two Day Seminar on Recent Trends in Cognitive Machine Learning” at KCE.	August 29-30, 2019

### Consultancy Project (1)

1) Done a project titled “**Bearing Information System**” for ZF-Wind Power Coimbatore Ltd, Coimbatore. ZF Wind Power is a globally established designer, manufacturer, and supplier of tailor-made gearboxes for wind turbines. I am responsible for developing the information system for **ZF Wind Power Antwerpen NV- Belgium Ltd** that will enable in,

- Storing bearing information like general, macro, supplier & mounting details,
- Controlling access to information and share information to any of the interested

departments at ZF Wind Power Coimbatore Ltd.

- Generating the reports and providing the export facility to keep the bearing information.

**Role** : Team Lead  
**Technology** : J2EE / MySQL

#### Seminars / Workshops Attended (21)

S. No	Programme	Date
1.	IBM Workshop on Open Source & Tools at SKCET	23-10-2007 & 24-10-2007
2.	Seminar on “Multi core Architectures” in PSG college of Technology Coimbatore	19-9-2007
3.	National Seminar on ERP Application’s for Medium & Small Industries- Emerging Trends at SKCET	28-8-2008 & 29-8-2008
4.	One day Workshop on E-Learning at SKCET organized by CSI	2008-2009
5.	One day FDP on .NET Technologies SKCET organized by CSI	24-04-2009
6.	Five-day Workshop on Open-Source Tools at SKCET organized by Dept of CSE	26-6-2009 to 3-7-2009
7.	Five days Training programme on “Empowering Teachers for Enhancing SC/ST Students Employability” at KSR College of Technology, Tiruchengode organized by CUIC, Anna University Chennai and TAHDCO.	14-4-2010 to 18-04-2010
8.	Two Days FDP on “Theory of Computation” at CIET	27-06-2013 & 28-06-2013
9.	Two Days Workshop on “Android Programming” at CIET	27-09-2013 & 28-09-2013
10.	Two Days Workshop on “Research and Project Ideas in Data Mining using Rapid Miner at CIET	10-10-2013 & 11-10-2013
11.	Two Week ISTE Workshop on Computer Programming Conducted by IIT, Bombay	20-05-2014 to 15-06-2014 16-06-2014 to 21-06-2014
12.	One Day FDP on Qlik by CTS, Coimbatore	27-09-2017
13.	Three FDP on “A Refresher Experiential Course on Linear Algebra and Optimization for Modern Signal Processing and Pattern Classification”, Amrita University	25-11-2017 to 27-11-2017
14.	Two Day FDP on “Hands-on Training Programme on MACHINE LEARNING BASICS” using PYTHON at MIT Chennai	19.09.2018 & 20.09.2018

15.	Three Day Academic Leadership Workshop (TalentNext) at Wipro Limited, Electronic City, Bangalore	08.04.2019-10.04.2019
16.	Successfully Completed the NPTEL Course (Elite) “Programming, Data structures and Algorithms using Python” conducted by IITM, Chennai	28.11.2018-31.11.2019 (8 Weeks)
17.	Successfully Completed the NPTEL Course (Elite) “Machine Learning for Science and Applications” conducted by IITM, Chennai	26.12.2018-19.04.2019 (12 Weeks)
18.	Successfully Completed the NPTEL Course (Elite+Gold& Top 1%) “Programming in Java” conducted by IIT Kharagpur	31.08.2019-23.10.2019 (12 Weeks)
19.	Successfully Completed the NPTEL Course (Elite & Top 5%) “Introduction to Internet of Things” conducted by IIT Kharagpur	01.07.2021-23.10.2021 (12 Weeks)
20.	Three Day FDP on “Blockchain” organized by Government of Tamilnadu under Naan Mudhalvan Programme	19.09.2022-21.09.2022
21.	Successfully Completed the NPTEL Course (Elite with Silver & Top 5%) “Cloud Computing” conducted by IIT Kharagpur	25.07.2022-28.10.2022 (12 Weeks)

## PERSONAL DETAILS

**Date of Birth** : 9<sup>th</sup> November 1983  
**Gender** : Male  
**Father’s Name** : Mr. K.Subramanian  
**Mother’s Name** : Mrs. S.Rajeshwari  
**Nationality** : Indian  
**Languages known** : English, Tamil  
**Marital Status** : Married  
**Spouse Name** : K.R. Gayathri  
**Children Name** : K.G. Rohini Kirthika  
 K.G. Rohit Subramanian

## COURSES HANDLED

S. No	Class	Year	Name of the Course	Pass Percentage
1	IV BTech IT	2007	Component Based Technology	96
2	IV BTech IT	2008	Web Technology	94
3	III BTech IT	2008	Network Programming and Management	93.33
4	IV BTech IT	2008	Data mining and Warehousing	100
5	IV BTech IT	2009	Component Based Technology	95.45
6	II BTech IT	2009	Design and Analysis of Algorithms	95.45
7	IV BTech IT	2009	Software Testing	100

8	IV BTech IT	2009	Component Based Technology	97.95
9	III BTech IT	2010	Database Management System	96.87
10	II BTech IT	2010	Database Management System	96.97
11	IV BTech IT	2010	Enterprise Computing	98.45
12	IV BTech IT	2010	Advanced Java Programming	95.45
13	IV BTech IT	2011	Component Based Technology	100
14	IV BTech IT	2011	Software Project Management	100
15	IV BTech IT	2011	Web Technology	96.72
16	I BE ECE	2011	Fundamentals of Computing and C Programming	95.16
17	IV BTech IT	2012	Professional Ethics	100
18	II BTech IT	2012	Database Management System	89
19	II BTech IT	2012	Object Oriented Programming	94.20
20	I BTech IT	2012	Fundamentals of Computing	94.64
21	II BE EEE	2013	Object Oriented Programming	95
22	III BTech IT	2013	Data Warehousing and Data Mining	100
23	III BE CSE	2013	Software Engineering	94.82
24	IV BE CSE	2013	Internet Programming	91.42
25	IV BE CSE	2014	Open Source Tools and Components	92.80
26	I ME CSE	2014	Principles of Programming Languages	93.34
27	II B.E CSE	2014	Programming Data Structures II	89.18
28	II B.E ECE	2014	Object Oriented Programming and Data Structures	90.15
29	III B.E CSE	2015	Web Technology	90
30	IV B.E CSE	2015	Indian Constitution and Society	93.34
31	II B.E CSE	2015	Data Structures	88.5
32	II BTech IT	2015	Data Structures	89.09
33	II B.E CSE	2016	Advanced Data Structures	100
34	III BTech IT	2016	Code Optimization Techniques	100
35	II B.E CSE	2016	Data Structures	98.46
36	II B.E EEE	2016	Data Structures	100
37	II B.E CSE	2017	Advanced Data Structures	100
38	II B.E EEE	2017	Advanced Data Structures	100
39	II B.E MECH	2017	Data Structures	100
40	II B.E CSE	2017	Data Structures	100
41	II BTech IT	2017	Advanced Data Structures	100
42	II BE-All Departments	2018	Design and Analysis of Algorithms	100
43	III BE-All Departments	2018	Machine Learning Techniques	99.5
44	II BE-CSE	2018	Advanced Algorithms	98
45	II BTech IT	2019	Data Structures	94
46	II B.E ECE	2019	Data Structures	100
47	I BTech AI & DS	2020	Fundamentals of Data Science	100

48	I BTech AI & DS	2021	Object Oriented Programming with Python	100
49	II BTech AI & DS	2021	Data Structures	100
50	II B.E CST	2021	Data Structures	100
51	II B.E CSE	2022	Advanced Data Structures	100
52	II B.E CST	2022	Advanced Data Structures	90.3
53	II B.E CSE	2022	Data Structures	100
54	II B.E CSE	2023	Advanced Data Structures	100
55	I B.E CSE	2023	Advanced C Programming	Handling