Biography
of
Dr. T.Velmurugan

Dr. T. Velmurugan is working as an Associate Professor in the PG and Research Department of Computer Science and Applications, D.G.Vaishnav College, Chennai-600106, India. Also, he is the Advisor and Head, Department of Computer Applications (BCA). He holds a Ph.D. degree in Computer Science from the University of Madras. He has 27 years of teaching experience. He guided more than 300 M.Phil., Research Scholars. Also, he guided 13 Ph.D. scholars and currently guiding 8 Ph.D. scholars. He has published more than 110 articles in SCOPUS and SCI indexed journals. He elected and served as a Senate Member from Academic Council, **University of Madras**. He has a lot of **administrative experiences** like Co-ordinator for Distance education programs, Camp Officer for Central Valuation in college as well as University level, Chief Superintend for the conduct of Examination and etc. He served as advisory board member to many academic institutions in and around Tamil Nadu. He was an **invited speaker and keynote speaker** for many international conferences around the world. He served as a nominated **Senate Member** in the Middle East University, **Dubai, UAE** for a period of three years. He is a member in Board of studies for many autonomous institutions and Universities like **Periyar University**, Salem, and **SCSVMV University**, India and etc. He hosted a lot of programmes in Doordharsan Television about recent topics in Information Technology. Also, he organized international Conferences and workshops. In addition, he was a resource person for various national workshops entitled "**Scientific Research Article Writing and Journal Publications**" and many of the recent topics in Computer Science. Also, he hosted more than 65 webinars during COVID19 pandemic period. He is an **Editorial Board Member** of 5 International Journals. He also a reviewer in many peer reviewed journals like Elsevier, Springer, IOSPress Journals etc. He is the Chair person for the Government of Tamil Nadu State for XII standard titled as "Electronics and Hardwares". Further, he is a visiting faculty for M.Phil. course for various universities throughout India. His **H index is 17 and i10 index is 26**. His area of specialization includes Data Mining, Artificial Intelligence, Machine Learning, Network Security, Big Data Analytics, Data Science and etc.

Credentials of Dr. T. Velmurugan

Years of Experience	: 27 Years
Number of M. Phil. Produced	: 301
Number of Ph.D. Awarded	: 13
Number of Ph.D. Thesis Submitted	: 4
Senate Member	: Middle East University, UAE
	University of Madras, Chennai
Board of Studies	: 4 Universities and 11 Colleges
University Representative, Governing Body	: 1 Institution
Invited Talks/Chief Guest/Participation	: 45 International Conferences &
	15 National Conferences
	64 Seminar & 17 Workshops (National)
Resource Person for Refresher Courses	: 6 Universities
Keynote/Invited Speaker	: 10 International Conferences
Patent Publications	: 1 International
Publications	: 42 Conferences & 81 Journals
Member, Editorial Board	: 5 International Journals
Program/ Advisory/ Organizing/	
Scientific Committee Member	: 29 International Conferences
Journal Reviewer	: 24 International Journals
Resource Person for Webinars	: 65 Webinars
Research Article Citations	: 3265
Research Article Reads	: 153467
H Index & i10 Index	: 17 & 26
SCOPUS Author ID	: 35293700000
Researcher ID	: A-8215-2013
ORCID ID	: 0000-0001-8857-0136
Expert Committee Member	: University of Madras
Setting Board Chairman	: 3 Universities
Articles in Magazine	: 2 in Tamil
Organizing Secretary	: 1 International Conference &
	1 International Workshop
Best Paper Award	: 1 International
Best Researcher Award	: 1 International
Best Faculty Award	: 1 National
Appreciation Award	: 1 International (For Submitting 4 Papers)
Technical Talk in Television	: 5 programs
Book Chapters Written	: 2 National Levels in Tamil
Chair Person	: XII Std (+2 Course) Book Title "Electronics and Hardwares" for Govt. of Tamil Nadu State.
Member in Social Networks	: Face Book, Research Gate, LinkedIn, Data Science Central, Grow Kudos, LiveDNA, Academia, Mendeley, YouTube, IAENG, Publons and etc.

Administrative Experiences

Head of the Department : 1) **3 Years** for MCA, M. Sc.,(Computer Science), M.Sc., (Information technology), BCA & B.Sc., (Computer Science) from 2007 to 2010.

2) **6 Years** for BCA from 2014 to till date.

3) **2.5 Years** B.Sc., (Computer Science) from 2018 to Aug. 2020.

Coordinator for Chennai Center (Bharathidasan University) : **5 Years** for M.Phil., (Computer Science) from 2007 to 2012.

Additional Chief Superintend (Under Controller of Examinations) : **1 period** for Semester Exam at D.G.Vaishnav College.

Camp Officer for Central Valuation (Under Controller of Examinations) : 1) **3 periods** (3 Semesters) at D.G. Vaishnav College.

2) **3 periods** (3 Semesters) at University of Madras.

Dean of Union Council : **2 Years** at D.G. Vaishnav College.

Disciplinary Committee Member : **10 Years** and More at D.G. Vaishnav College from 2010 to till date.

Model Examination in charge : **11 Years** at D.G. Vaishnav College from 2007 to 2018

Anti – Ragging Committee Member : **12 Years** at D.G.Vaishnav College from 2008 to till date

UGC Coordination Cell (Convener) : **1 Years** at D.G. Vaishnav College.

Sports Advisory Committee : **2 years** at D.G. Vaishnav College.

Question Setting Board Chairman : 1) **4 Years** for Madurai Kamaraj University.

2) **4 Years** for Thiruvalluvar University.

Advisory Board Member : 1) **3** Social Welfare Societies.

2) More than **10 Colleges** and **Schools** in Tamil Nadu.

Profile

Dr. T. VELMURUGAN
Associate professor,
PG and Research Department of Master of Computer
Applications (MCA),
Advisor & Head, Department of Computer Applications(BCA),
D. G. Vaishnav College (Autonomous),
Arumbakkam, Chennai - 600 106, India.
Former Member - Academic Council & Senate, **University of
Madras**, India.
Mobile No: +91- 9381032070
Email: velmurugan_dgvc@yahoo.co.in
        velmurugan@dgvaishnavcollege.edu.in
WebSite: www.dgvaishnavcollege.edu.in

Date of Birth & Age : 23-07-1965 & 55 Years

Residential Address: 15, SBI Officer's Colony,
                        First Street, Arumbakkam,
                        Chennai – 600106,
                        Tamil Nadu, India.
                        Ph: (044) – 23632954,
                        Mobile: +91 - 9381032070

Educational Qualifications

- **Ph.D.,(Computer Science),**April-2012,University of Madras, Chennai.
- **M.Phil., (Computer Science)**, Jan – 1992, Alagappa University,Karaikudi.
- **PGDCA**, April – 1990, Nehru Memorial College, Bharathidasan University.
- **M.Sc., (Mathematics)**, April – 1989, A.V.C. College, Bharathidasan University.
- **B.Sc., (Mathematics)**, April – 1987, Govt. Arts College, Ariyalur, Bharathidasan University, Trychy.

Teaching Experience: 27 Years.

- **Assistant Professor**, SKSS Arts College, Thirupananthal, Tanjore (DT), Tamil Nadu, India.From**10-12-1993** to **20-07-1996.**

- **Associate Professor**, D.G. Vaishnav College, Arumbakkam, Chennai, India. From **22-07-1996** to **till date.**

Web Informations:

Institution website : www.dgvaishnavcollege.edu.in
SCOPUS Author Id : **35293700000**
https://www.scopus.com/authid/detail.uri?authorId=35293700000
Researcher ID : **A-8215-2013**
ORCID ID : http://orcid.org/0000-0001-8857-0136
h Index : 17
i10 Index : 26

Research Experience:

1. **Patent Publications:** 1 International

   Title: Negative Information Extraction System for Medical Text Data

   Date of Publication: 11/09/2020

2. **Guided** M.Phil. (Computer Science).

S. No.	No of Candidates	Names of the University
1	89	Mother Teresa Women's University, Kodaikanal
2	18	ManonmaniyamSundaranar University, Thirunelveli
3	31	Bharathidasan University, Thiruchirappalli.
4	55	Alagappa University, Karaikudi.
5	64	Periyar University, Salem.
6	4	Bharathiyar University, Coimbatore.
7	33	Madurai Kamaraj University, Madurai
8	2	Annamalai University, Chidambaram.
9	5	Vinayaga Missions University, Salem.
Total	**301**	

3. **Ph.D. Awarded**

S. No.	Name of the Candidate	Title of Thesis
1	G. Sekar	Effective and Functional Transaction Management in Non-Relational Cloud Databases
2	E. Venkatesan	An Analysis And Prediction Of Tumor In Mammogram Images Using Data Mining Techniques
3	S. Mahalakshmi	Identification Of Brain Tumor In MRI Images Using Segmentation Techniques
4	A. Naveen	A Study On The Analysis Of Brain Tumor Identification Using Clustering Techniques
5	S. Perumal	Detection Of Lung Cancer In CT Scan Images Using Enhanced Artificial Bee Colony Optimization Technique
6	A.S. Arunachalam	A Novel Approach For Predicting Student Academic Performance Using Evolutionary Artificial Neural Network Technique
7	S. Deepalakshmi	A Hybrid Feature Selection Method For High Dimensional Data
8	C. Anuradha	A Novel classifier To Analyse Student Performance Using Data Mining Techniques
9	J. Manimaran	Semantic Analysis of Medical Text Data by Negation Detection and Relation Extraction Algorithms
10	K.Govindasamy	Analysing Students Behavioral Patterns In Learning Process Using Random Swap Expectation Maximization Algorithm
11	S. Navitha	Simulation Based Performance Analysis Of Routing Protocols In Mobile Ad-Hoc Networks

S. No.	Name of the Candidate	Title of Thesis
12	U. Latha	A Hybrid Model for Heart Disease Classification Using Named Entity Recognition and Whale Optimization Algorithms
13	K. Saravana Nathan	Performance Based Analysis of Clustering Algorithms Using Diabetic Data for the Prediction of Disease

4. Ph.D. Thesis Submitted

S. No.	Name of the Candidate	Title of Thesis
1	M.P.Sukkassini	An Efficient Hybrid Segmentation Model for the Analysis of Mammogram Images
2	B.Hemalatha	An Analysis of Recommendation Based Explicit-Implicit Association Rules for Online Customer Review Data using Sentiment Analysis
3	A.Dharmarajan	Hybrid Method for the Prediction of Cancer in Lung Images Using Image Clustering Techniques
4	S. Karthiga	Performance Analysis of Secure Hashing Algorithms Compared with Substitution Techniques for the Enhancement of Security in Cloud Environment.

5. Ph.D. Synopsis Submitted

S. No.	Name of the Candidate	Title of Thesis
1	T. Indhumathy	Performance Analysis of Utility Mining based Machine and Deep Learning Models for the Prediction of Price Levels in Stock Market.

Awards / Recognitions

1. **Member – Senate,** University of Madras, India from 29-09-2018 to 28-09-2019.

2. **University Representative** to the College Governing Body, Arignar Anna Institute of Management Studies & Computer Applications, Chennai 602105.

3. **Best paper Award: Velmurugan. T** and T.Santhanam, "Performance Analysis of k-Means and k-Medoids Clustering Algorithms for a randomly generated data set", Proc. of the Int. Conference on Systemics, Cybernetics and Informatics, Hyderabad, India, January 2008, pp. 578-583.

4. **Senate member, MIDDLE EAST UNIVERSITY,** United Arab Emirates, Post Box: 37173, GR 002, Amenity Centre, AI Hamara, Ras AI Khaimah, for a period of 3 Years Tel: +971 7 243 43 45, Fax: +971 7 243 43 47, E-mail: info@meu.ae

5. **Appreciation Award:** For submitting **FOUR** research papers in the conference: Int. Conference on Information and Convergence Technology for Smart Society, Bangkok, Thailand, 21- 24 Jan. 2015.

6. **Best Researcher Award:** The 2nd International Conference on computing paradigms held at Don Bosco College, Chennai, from 22 to 24 July, 2016.

7. **Best Faculty Award**: Republic Day Achievers Award, Awarded by Integrated Intelligent Research, Chennai for the Best Research Work titled as Network Optimization on 18/01/2018.

8. **Member**, Asian Council of Science Editors, www.theacse.com

Invited Talk/ Keynote Speaker

1. **Invited Speaker:** IIR 2nd Virtual Conference on Science, Engineering and technology Applications on 26th Nov. 2016 at Chennai, Tamil Nadu, India. Topic: "**Research Methodology**".

2. **Invited Speaker:** The 10th Int'l Conference on Computational Intelligence and Software Engineering (CiSE 2018) held on January 5-7, 2018 in Bangkok, Thailand. .http://www.engii.org/conference/CiSE/947s4722.html

3. **Invited Speaker**: 4th International Conference on Computing Paradigms (ICCP-2018) held on 20-22 July 2018 at **Don Bosco College, Yelagiri Hills**, Vellore District, Tamil Nadu, India. http://iccpconferences.org/speakers.php

4. **Invited Speaker**: International Conference on "Emerging Inventive Technologies in Computer Science" held on 15th February 2019 at **Idhaya College for Women**, Kumbakonam – 612 001, Tamil Nadu, India.

5. **Keynote Speaker:** The 12th Int'l Conference on Computational Intelligence and Software Engineering (CiSE 2019) held on Dec. 13-15, 2019 in Bangkok, Thailand. http://www.janconf.org/conference/CISE-BT2019/

6. **Keynote Speaker:** International conference on Smart Technologies in Computer Science held on 22ndFeb. 2020 at Srimath Sivagnana Balaya Swamigal Tamil Arts and Science College, Mailam, Tamil Nadu, India.www.mailamtamilartscollege.com

7. **Invited Speaker:** The 13th Int'l Conference on Computational Intelligence and Software Engineering (CiSE 2021) held on Jan. 5-7, 2021 at Sanya, China. https://www.seminarjan.org/conference/CISE2021/

8. **Keynote Speaker**: International Symposium on Innovation in Information Technology and Application (ISIITA 2021) held on 18-20, Feb. 2021 in South Korea. https://isiita.org/keynote-speeches/

Academic Activities

1. **Member, Board of Studies** to the following Institutions

   1) **Periyar University**, Salem, Tamil Nadu, India, for B.Sc. Computer Science and B.C.A.
   2) **Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya,** Enathur, Kanchipuram – 631561, Tamil Nadu, India for MCA.
   3) **Dr. Dr. M.G.R Educational and Research Institute** (Deemed University), Maduravayal, Chennai.
   4) **University of Madras, Institute of Distance Education,** Chennai-600005.

5) **Vels Institute of Science, Technology and Advanced Studies (VISTAS)** (Deemed University)**, Pallavaram, Chennai.**
6) **Presidency College, Chennai – 05** for M.Phil and MCA.
7) **Ethiraj College for Women** for B.Sc. Computer Science.
8) **JBAS College for women,** Tenampet, Chennai.
9) **Dr. Ambedkar Govt. Arts College, Chennai – 32** for M.Phil. Computer Science.
10) **Govt. Arts College for Men, Nandanam, Chennai** for M.Phil. and M.Sc. Computer Science.
11) **RKM Vivekananda College, Chennai** for B.Com (CA).
12) **Guru Nanak College, Velachery, Chennai** for B.Sc. (Computer Science).
13) **Quid-E-Millath College for Women, Chennai.**
14) **Queen Mary's College for Women, Mylapore, Chennai-04.**
15) **Madras Christen College, Chennai.**
16) **L. N. Govt. Arts College, Ponneri, Thiruvallur Dt.**

2. **Organizing Secretary:** International Conference on Computing and Intelligence Systems (ICCIS2015) held on 19th to 21st March, 2015 at D.G. Vaishnav College, Chennai 600106.

3. **Organizing Secretary:** International Workshop on Applications of IoT (Internet of Things) held on 16th July, 2019 at D.G. Vaishnav College, Chennai 600106.

4. Member, Expert Committee for Course Affiliation, **University of Madras**, Chennai -05

5. Chair Person, **Madurai Kamaraj University**, Madurai, Setting Board for BCA course from 2007 to 2011.

6. Chair Person, **Thiruvalluvar University**, Vellore, Setting Board for MCA, M.Sc (C.S), M.Sc. (IT), B.Sc (ISM) for from 2010 to 2014.

7. **Coordinator**, M.Phil Computer Science, Distance Education, Chennai Center, **Bharathidasan University**, from 2007 to 2012.

8. **Resource Person for M.Phil. (Computer Science),** to various Universities in Tamil Nadu.

Editorial Board Member

1. Journal of Computer Science (JCS)- http://thescipub.com/journals/jcs/editors (SCOPUS Indexed)

2. International Journal of Wireless Communication and Sensor Network (WCSN)
   - http://www.isibs.org/editors/wcsn

3. International Journal of Business Intelligents (IJBI)
   - http://www.ijbui.com/editorial.php

4. International Journal of Smart System - http://iirgroups.org/journals/ijss/editorial.php

5. The Research Journal of Computer Science and Information Technology (RJCSIT)

https://uniquepubinternational.com/upi-journals/research-journal-computer-science-information-technology-rjcsit/editorial-board-rjcsit/

Member in Academic Social Networks

1. **Researchgate.net - https://www.researchgate.net/profile/Dr_Velmurugan_T**

2. **Linkedin.com - https://www.linkedin.com/in/dr-velmurugan-t-02668026/**

3. **Google Scholar –**
   https://scholar.google.co.in/citations?hl=en&user=jyvdyRwAAAAJ

4. **Academia.edu - https://dgvaishnavcollege.academia.edu/DrTVelmurugan**

5. **Mendeley.com - https://www.mendeley.com/profiles/velmurugan-thambusamy/**

6. **GrowKudos.com - https://www.growkudos.com/profiles/151580**

7. **Data Science Central - https://www.datasciencecentral.com/profile/Velmurugan**

8. **Publons Web of Science Id –**
   https://publons.com/researcher/1463897/velmurugan-thambusamy/

9. **YouTube Channel Link:**
   https://www.youtube.com/channel/UCwWtU0ieKj5V6xNlQ346Vkg

10. **IAENG - International Association of Engineers** (Member No: 108444)
    http://www.iaeng.org/about_IAENG.html

11. **Asian Council of Science Editors**. **https://theacse.com/index.php**

12. **Facebook-https://www.facebook.com/velmuruganthambusamy**

13. **LiveDNA** - **http://livedna.org/91.10662**

14. **Microsoft Academic Search Id - https://academic.microsoft.com/profile/he085fi4-4j18-4g02-e5jg-7e4je5hjeh25/VelmuruganThambusamy**

15. **Vidwan Id (Expert Database and National Researcher Network) -**
    https://vidwan.inflibnet.ac.in/profile/200851

Editorial Board, Journal Reviews and Article Submission Websites

1. **EDAS Conference and Journal Management System:**
   https://edas.info/showPerson.php?p=1440134

2. **Easychair login:https://easychair.org/my/conferences?a=24536076**

Magazine Articles in Tamil

1. An Article (in Tamil Language) named as "**பல்லூடக மென்பொருள்கள்: ஒர்அறிமுகம்"** (Multimedia Softwares – An Introduction) published in VikadanKalvi Malar on May-2013, ISBN: 978-81-8476-500-7

2. An Article (in Tamil Language) named as "**கணினி மொழிகள்**" (Computer languages) published in Vikadan Year Book on Dec-2013, ISBN: 978-81-8476-553-3

Television Programs: The program named as "**அறிவியல்புதிர்"** in DD **பொதிகை,** the number One Science program in Tamil Language.

1. Special Talk titled as "Compiler Design" on 25-04-13 at 9.30 to 10.00 AM.
2. Special Talk titled as "Artificial Intelligence" on 27-06-13 at 9.30 to 10.00 AM.
3. Special Talk titled as "Web Technology" on 04-07-13 at 9.30 to 10.00 AM.
4. Special Talk titled as "Computer Languages" on 10-10-13 at 9.30 AM.
5. Special Talk titled as "Computer Operating Systems" on 17-10-13 at 9.30 AM.

Activities via Social Media / Webinars/FDP/Workshops

No.	Title	Date	Link
1	FDP-Citing References using Mendeley Reference Manager	27/04/2020	https://www.youtube.com/watch?v=71hoLoUgNnY
2	FDP-Art of Writing Research Article	28/04/2020	https://www.youtube.com/watch?v=TY_J04qfZ9s
3	Workshop onJournal Searching Methods	29/04/2020	https://www.youtube.com/watch?v=aDzlVrIkwpk
4	Workshop onSocial Networks for Research Publications	30/04/2020	https://www.youtube.com/watch?v=TchZhj6iMHM
5	Webinar onData Science	01/05/2020	https://www.youtube.com/watch?v=474icZ44c9U
6	Workshop onOnline Learning and E-Certificates for Research	02/05/2020	https://www.youtube.com/watch?v=p1-dk3taAys
7	How to find SCOPUS Indexed Journals (Recorded Video Lecture)	04/05/2020	https://www.youtube.com/watch?v=vbRgnz28FrI
8	Peer Review Process of Journals	05/05/2020	https://www.youtube.com/watch?v=I4Hnhz4n7zU&t=75s
9	FDP on Artificial Intelligence	09/05/2020	https://www.youtube.com/watch?v=HUdYcWHZ1Ko
10	Webinar 0nClassificationAlgorithms in Data Mining (for MCA Students)	09/05/2020	https://www.youtube.com/watch?v=RMHq7TKwmV0
11	Workshop onLatex Tool for Document Preparation	10/05/2020	https://www.youtube.com/watch?v=FpWx5ouaCLA
12	Webinar onPrediction and Classification in Data Mining(for MCA Students)	10/05/2020	https://www.youtube.com/watch?v=4PI1Xn-pzoI
13	FDP onBig Data Analytics	11/05/2020	https://www.youtube.com/watch?v=NiDgbezwNYk
14	Workshop on Searching Data Sets for Research	12/05/2020	https://www.youtube.com/watch?v=pyofaWGnpjU
15	FDP onMachineLearningAlgorithms	13/05/2020	https://www.youtube.com/watch?v=AsmSU3jMoJM
16	Webinar on Network Security (Thiruthanga lNadar Arts College, Chennai)	15/05/2020	https://www.youtube.com/watch?v=eQ0bSNejv_c
17	Webinar onUbiquitous Computing	15/05/2020	https://www.youtube.com/watch?v=Y0YF-QYVXrs
18	FDP onTeaching and Research in Higher Education(Mar Gregorios College of Arts and Science, Chennai)	19/05/2020	https://www.youtube.com/watch?v=oBDltQKVVts&feature=youtu.be
19	FDP on Intellectual Property Rights (Sri Saraswathy College of Arts and Science, Olakkur,Tindivanam)	20/05/2020	https://www.youtube.com/watch?v=hAoVYw9xxfs&t=63s

20	Webinar on Blockchain Technology(Arulmigu Sri SubramaniyaSwamy Govt. Arts College, Tiruttani)	21/05/2020	https://www.youtube.com/watch?v=rWJvFzcx_PM&t=3950s
21	Workshop on Mendeley Reference Manager (Bhaktavatsalam Memorial College for Women, Chennai)	22/05/2020	https://www.youtube.com/watch?v=QSqC2hCVh0E&t=246s
22	FDP on Scholarly Article Writing (Govt. Arts college, Nandanam, Chennai-600035)	24/05/2020	https://www.youtube.com/watch?v=_rHsV3AJZyo&t=233s
23	FDP on Tools For Big Data (SCSVMV University)	25/05/2020	https://www.youtube.com/watch?v=o9vYtzMvDyI
24	National Webinar on Post COVID-19, Entrepreneurship opportunities and government initiatives	25/05/2020	https://www.youtube.com/watch?v=syJujb54I8U
25	National Webinar on Computational Intelligence Methods(Alagappa University)	06/06/2020	https://youtu.be/XKtNcC0aQig
26	Workshop on How to conduct Classes using Google Meet	07/06/2020	https://youtu.be/ieN8mR09rj8
27	Workshop on How to add PPT and Video Recording in Google Meet	08/06/2020	https://youtu.be/iR2eWyZ4TMc
28	Webinar on Basics Of Cryptocurrency (Saveetha University)	12/06/2020	https://youtu.be/ROnE571Umyk
29	Webinar on What is Big Data and Why is it Important?	15/06/2020	https://youtu.be/Nur96DsNXpI
30	National Webinar on CLOUD COMPUTING TECHNOLOGY (Arignar Anna Institute of Science and Technology, Sriperumbudur, Chennai – 60211).	20/06/2020	https://youtu.be/7n7gie-sA18
31	Webinar on "PLAGIARISM IN RESEARCH" (Arignar Anna Government Arts College, Cheyyar - 604 407)	22/06/2020	https://youtu.be/A8A8QUv-Isw
32	Webinar on Big Data in Industry	23/06/2020	https://youtu.be/UqxQk7tUeoY
33	Webinar on How to Improve Citations, H index and i10 index via Research Articles at National LevelFDPon Art of Research Publication at The QuaideMilleth College for Men, Chennai, India.	25/06/2020	https://youtu.be/a9BcY4VrMtk
34	Workshop on How to add SCOPUS papers to ORCID database	28/06/2020	https://youtu.be/4MoFjVwdAwA
35	HADOOP – An Introduction	09/07/2020	https://youtu.be/LBE9HWhm4J0
36	Android Apps Development - An Introduction	11/07/2020	https://youtu.be/cQk_4BxQ8CI
37	Social Impact of Technology-Driven Education(Sri Saraswathy College of Arts and Science, Olakkur,Tindivanam)	15/07/2020	https://youtu.be/Y7uvgkS9Fmk
38	Internet of Things (IoT) (Sri BalayaSwamigal Tamil Arts and Science College, Mailam)	16/07/2020	https://youtu.be/fpey8r49Ckg
39	Effective Writing Strategies of Research Articles for Premier Journals (Kongu Arts and Science College, Erode)	19/07/2020	https://youtu.be/Yeygx5v2H4g
40	Compiler Design -An Introduction(Arulmigu Sri SubramaniyaSwamy Govt. Arts College, Tiruttani)	25/07/2020	https://youtu.be/8Xop0RaHWn0
41	Effective Online Teaching (Govt. Arts College, Ariyalur)	04/08/2020	https://youtu.be/0Lhqf7THXY8
42	NoSQL: Emerging technologies for Big Data Processing	12/08/2020	https://youtu.be/g7TV28s7dTU
43	Soft Computing (Sree Narayana Guru Arts and Science College, Coimbatore)	21/08/2020	https://youtu.be/uIJ1RFtvghw
44	Lexical Analysis in Compiler Design	23/08/2020	https://youtu.be/cqKBCL-0r6k
45	Science Degree Courses	02/10/2020	https://youtu.be/JM4Y_98D1bY
46	Hive Tool in Big Data	05/10/2020	https://youtu.be/WtsSdxG0Ui4
47	MapReduce in Hadoop	10/10/2020	https://youtu.be/h0npQ79xEv8
48	YARN in Hadoop	12/10/2020	https://youtu.be/6AlOADmJV7g
49	Pig Tool for Big Data	16/10/2020	https://youtu.be/9KkLCEnyuhQ
50	Intelligent Process Automation	27/10/2020	https://youtu.be/I9b4XSOJNgA
51	கற்றல், கற்பித்தலில்கணினியின்பயன்பாடுகள் (Usage of Computers for Learning and teaching)	31/10/2020	https://youtu.be/gEk4FbD4L-k

	(AnnaiTerasa Arts and Science College, Thirukazhukundram, TN)		
52	Scientific Research Article Writing and Publication (FDP on Best Pracitces in research at Sree Narayana College, Thrissur, Kerala, India)	04/11/2020	https://youtu.be/2O1wlTo6uEE
53	How to write Survey paper - Reviewers Perspective	10/11/2020	https://youtu.be/lms9QUlYEEg
54	IoT (Internet of Things)- Basics (MIT-World Peace University, Pune, India)	26/12/2020	https://youtu.be/kHDbxyEiSvI
55	Developing Machine Learning Applications using Python Framework	25/01/2021	https://youtu.be/Vkoz5wiyePg
56	Classifying Heart Disease in Medical Data Using Deep Learning Methods	05/02/2021	https://youtu.be/v-sLV2eRkuY
57	Cloud Based Google Services	12/02/2021	https://youtu.be/Tbr_y6oKygU
58	Emerging Technologies in Artificial Intelligence	29/03/2021	https://youtu.be/o1JxBbQ64uY

Journal Reviewer (All Journals are SCIE (**Impact Factor Journals)** and **SCOPUS** indexed)

1. Journal of Intelligent and Fuzzy Systems – **IOS Press Journals (SCI and SCOPUS)** ISSN print: 1064-1246, ISSN online: 1875-8967
   http://www.iospress.nl/journal/journal-of-intelligent-fuzzy-systems/

2. International Journal of Machine Learning and Cybernetics – **Springer (SCOPUS)** ISSN: 1868-8071 (print version), ISSN: 1868-808X (electronic version)
   http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/13042

3. Fuzzy Sets and Systems – **Elsevier,** ISSN: 0165-0114 **(SCI and SCOPUS)**
   http://www.journals.elsevier.com/fuzzy-sets-and-systems/

4. Indian Journal of Science and Technology **(SCOPUS)** ISSN: 0974-6846 print, ISSN: 0974-5645 online
   http://www.indjst.org/index.php/indjst/index

5. Journal of Applied Mathematics - ISSN: 1110-757X **(SCI and SCOPUS)**
   http://www.hindawi.com/journals/jam/

6. IET – Image Processing – **(SCI and SCOPUS)**Print ISSN 1751-9659, Online ISSN 1751-9667 https://digital-library.theiet.org/content/journals/iet-ipr

7. Egyptian Informatics Journal – **Elsevier -** ISSN: 1110-8665
   http://www.journals.elsevier.com/egyptian-informatics-journal

8. Soft Computing – **Springer (SCI and SCOPUS)** ISSN: 1432-7643 (print) ISSN: 1433-7479 (electronic)
   http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/500/PSE

9. Neural Computing and Applications – **Springer (SCI and SCOPUS)** ISSN: 0941-0643 (print) ISSN: 1433-3058 (electronic)
   http://www.springer.com/computer/ai/journal/521

10. Applied Soft Computing - ISSN: 1568-4946 - **Elsevier** (**SCI and SCOPUS**)
   http://www.journals.elsevier.com/applied-soft-computing/

11. Computer Methods and Programs in Biomedicine - ISSN: 0169-2607-
Elsevier (**SCI and SCOPUS**)
http://www.journals.elsevier.com/computer-methods-and-programs-in-biomedicine/

12. Journal of ICT Research and Applications - ISSN: 2337-5787, E-ISSN: 2338-5499
(**SCOPUS**). http://journals.itb.ac.id/index.php/jictra/

13. International Conference on Fuzzy Systems and Data Mining (FSDM):
http://www.fsdmconf.org

14. Journal of Computer Science – ISSN: 1549-3636, On line: 1552-6607 (**SCOPUS**)
http://thescipub.com/journals/jcs

15. IGI-Global- International Journal of Information Retrieval Research - ISSN: 2155-
6377|EISSN: 2155-6385 (**SCI & SCOPUS**)
http://www.igi-global.com/journal/international-journal-information-retrieval-
research/1178

16. InderScience-International Journal of Business Intelligence and Data Mining –
ISSN: 1743-8187, online: 1743-8195 (**SCOPUS**)
http://www.inderscience.com/jhome.php?jcode=IJBIDM

17. Autosoft Journal - Intelligent automation & Soft Computing - ISSN 1079-8587 (**SCI
& SCOPUS**) http://www.wacong.org/autosoft/auto/index.php

18. Applied Computing and Informatics – https://www.journals.elsevier.com/applied-
computing-and-informatics

19. Intelligent Data Analysis – https://www.iospress.nl/journal/intelligent-data-analysis/
(**SCI and SCOPUS**)

20. TELCOMNIKA – http://journal.uad.ac.id/index.php/TELKOMNIKA (**SCOPUS**)

21. Astronomy and Computing –https://www.journals.elsevier.com/astronomy-and-
computing (**SCOPUS**)

22. Complexity - https://www.hindawi.com/journals/complexity/(**SCI and SCOPUS**)

23. Bentham Science Journals - https://bentham.manuscriptpoint.com/
    - International Journal of Sensors, Wireless Communications and ontrol(**SCOPUS**)

24. Asian Journal of Mathematics and Computer Research –
https://ikprress.org/index.php/AJOMCOR

25. International Journal of Advanced Computer Science and Applications –
https://thesai.org/Publications/IJACSA (**SCOPUS**). Below link have my detail.
https://thesai.org/Reviewers/Details/dad8ee86-a6fc-4f3b-8d80-927b022cb0f0

Chair Person / Advisory / Organizing / Program Committee Member

1. **Chair Person**: International Conference on Information and Convergence Technology for Smart Society held at Swissotel Le Concorde, **Bangkok, Thailand** from 21 to 24 January, 2015.

2. **Chair Person**: The 1st International Conference on computing paradigms held at Don Bosco College, Yelagiri Hills from 24 and 25 July, 2015.

3. **Chair Person**: International Conference on viable synergies in Mathematical & Natural Sciences held at WCC, Chennai from 7 to 9 January, 2016.

4. **Chair Person**: International Conference on recent trends in computing technology held at University of Madras, Chennai from 22 and 23 February, 2016.

5. **Chair Person**: The 2nd International Conference on computing paradigms held at Don Bosco College, Chennai, from 22 to 24 July, 2016.

6. **Member, Advisory Committee**, IIR Second Virtual Conference on Science, Engineering and Technology Applications held at IIR, Chennai on 26th Nov., 2016.

7. **Program Committee Member**, IEEE 2nd International Conference on Recent Advances and Innovations in Engineering, Poornima University, Jaipur, India from 23 to 25 December, 2016.

8. **Program Committee Member**, IEEE 2nd International Conference on Contemporary Computing and Informatics, Amity University, Noida, India from 14 to 17 December, 2016.

9. **Program Committee Member**, IEEE International Conference on Big Data Analytics and Computational Intelligence, Chirala Engineering College, Chirala, Andra Pradesh, India from 23 to 25 March, 2017.

10. **Program Committee Member**, International Conference on Recent Advances in Engineering and Technology, Chalapathi Institute of Engineering & Technology, Guntur, Andra Pradesh, India from 12 to 13 May, 2017.

11. **Program Committee Member**, IEEE International Conference on Computing and Communication Technologies for Smart Nation, GD Goenka University, Gurgeon, New Delhi, India from 12 to 14 Oct., 2017.

12. **Program Committee Member**, 3rd Annual International Conference on Computer Science and Mechanical Automation, Wuhan, Hubei, China, November 10-12, 2017.

13. **Advisory Committee Member,** International Conference Trends in Computational Research, Thiruvalluvar University College of Arts & Science, Thennangur Village, Vandavasi Taluk, Tiruvannamalai - 604 408, India, 19-20 January 2018.

14. **Advisory Committee Member,** EER Third International Conference on Science, Engineering and Technology Applications, Anna University Campus, Kotturpuram, Chennai - 600 085, India, 25, Jan. 2018.

15. **Program Committee Member**, 3rd International Conference on Computer Science and Information Engineering (ICCSIE2018), Xi'an, China, 21-22 Sep. 2018.

16. **Program Committee Member**, IEEE 3rd International Conference and Workshops on Recent Advances and Innovations in Engineering, Poornima University, Jaipur, India from 22 to 25, Nov. 2018.

17. **Scientific Committee Member**, 3rd Asian Conference on Science, Technology & Medicine, Dubai, U.A.E., 12-14 Feb. 2019.https://acstm.org/

18. **Organizing Committee Member,** 2nd International Conference on Computer Science & Cloud Computing (ICCSCC--2019), which will be held during July 22-23, 2019 in Rome, Italy.https://scientificfederation.com/iccscc-2019/committee.php

19. **Program Committee Member**, IEEE International Conference on Computational Techniques, Electronics and Mechanical Systems-CTEMS'18 will be held at K.L.S. Gogte Institute of Technology,Belagavi, Karnataka, India from 21 - 23 December 2018.

20. **Program Committee Member,** 3rd International Conference on Advanced Informatics for Computing Research (ICAICR-2019) will be held at Deventure Shimla Hills, National Highway 22, Solan Shimla National Highway, Kandāghāt, India on Jun 15-16, 2019.

21. **Program Committee Member**, 4th IEEE International Conference and Workshops on Recent Advances and Innovations in Engineering (ICRAIE 2019), Poornima College of Engineering, Jaipur, Rajasthan, India on 27-29 November 2019.

22. **Program Committee Member**, 4th International Conference and Workshops on Recent Advances and Innovations in Engineering –ICRAIE 2019 will be held on 27-29 November 2019 at Mercure Penang Beach Hotel, Malaysia.

23. **Chair Person**, The 5th International Conference on computing paradigms held at Don Bosco College, Yelagiri Hills, India, from 30 and 31 Aug. 2019, .

24. **Advisory Board Member**, International Conference on Recent Trends in Engineering, Management and Science-2019 (ICRTEMS-2019) held on September 26th - 27th, 2019 at Delhi Institute of Technology Management & Research (DITMR), Faridabad, Haryana, India.**http://www.icrtems.com/advisory.php**

25. **Program Committee Member**, 4th International Conference contemporary Computing and Informatics (iC3I 2019), Amity Global Institute, Singapore, from Thursday 12th to Saturday 14th December 2019. **http://ic3i.org/2019/**

26. **Advisory Committee Member**, 1st International Conference on Data Science and Intelligent Applications, (ICDSIA-20) Gandhinagar-382721, Gujarat, India on 24th-25th January 2020. **www.icdsia.git.org.in**

27. **Program Committee Member**, 6th Annual International Conference on Computer Science and Applications, will be held in Shenzhen, China on September 19-20, 2020. **www.csa2020.net**

28. **Program Committee Member**, 5th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE 2019), Poornima College of Engineering, Jodhpur, Rajasthan, India on 1-3, Dec. 2020. http://www.icraie.poornima.org/

29. **Chair Person**: 6th ASIA International Conference (AIC 2020) held on 18-20 December 2020, Johor, Malaysia. Session Chair on 19/12/2020. https://connectingasia.org/

30. **Program Committee Member**, 10th International Conference on Data Science, Technology and Applications, Online Steaming, on 6-8, July, 2021. (DATA 2021: http://www.dataconference.org) hosted from Portugal.

31. **International Scientific Committee**: 6th International Conference on Education Reform and Modern Management (ERMM2021), which will be held on April 11-12, 2021 in Beijing, China. http://www.6th-ermm.org/com.html

32. **Program Committee Member**, 10th International Conference on Software and Computer Applications, Kuala Lumpur, Malaysia held on 23-26 February, 2021. http://www.icsca.org/com.html

33. **Program Committee Member**, 4th International Conference on Advanced Informatics for Computing Research (ICAICR-2020) held at Gurugram, Haryana, India on December 26-27, 2020. https://informaticsindia.co.in/index.html

34. **Program Committee Member**, International Conference on Control, Automation and Intelligent Computing held at Beijing, China from May 28-29, 2021. http://www.caic2021.org/com.html

35. **Program Committee Member**, 2nd 2021 International Conference on Intelligent Computing, Automation and Applications (ICAA2021), Nanjing, Jiangsu, China, June 25-27, 2021. http://www.icaa2021.org/?op=committee

36. **Program Committee Member**, 3rd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2021) held in Shanghai, China, July 4-5, 2021. http://www.3rd-cmsa.org/com.html

Invited talks / Chief Guest/ Resource Person

Before Ph.D. and 2012, acted as a resource person / invited talk / chief guest for more than 20 conferences and symposiums at the state level as well as national level.

After January - 2013

1. Inaugural address for state level symposium conducted by Mar Gregorious College, Anna Nagar, Chennai, on 06-02-2013.

2. Invited talk on "**Applications of Artificial Intelligence**" at the state level symposium organized by the R.B.Gothy Jain College, Redhills, Chennai, on 07-02-2013.

3. Resource Person for the UGC sponsored Refresher course on the topic "**Machine Learning**" conducted by SCSWMV University, Enathur, Kanchipuram, Tamil Nadu.

4. Resource Person for the National workshop on "**The Art of Writing Research Articles**" conducted by Quide –E- Millath Govt. Arts college for Women, Chennai, on 09-02-2013.

5. Resource Person and Inaugural address for National conference on Recent trends in Information Technology organized by Sengunthar Arts and Science College, Thiruchengode, on 05-03-2013 and deliver a special lecture on "**The art of Writing Research Articles**".

6. Resource Person for the inaugural function at the department of computer science titled "**Artificial Intelligence – A Modern Approach**" in Govt. College for Men, Nandanam, Chennai on 18-03-2013.

7. Resource Person for the inaugural function at the department of computer science titled "**Job Opportunities in IT**" in A. M. Jain College for Men, Meenambakkam, Chennai, India on 20-08-2013.

8. Special Lecture on "**Operations Research Techniques in Management**" at Institute of Hotel Management and Catering Technology (A Central Govt. Institution), Taramani, Chennai, on 15-10-13.

9. Resource Person and Inaugural address for National Work Shop on Cloud Computing and Its components (Sponsored by CSIR) organized by L.N. Govt. College, Ponneri on 16-12-2013.

10. Invited talk on "**Impact of Mathematical Methods in Computer Science Research**" at the state level symposium on Mathematical methods and their Applications organized by Mohamed Sathak College of Arts and Science, Solinganallur, Cehnnai-119 on 17-12-2013.

11. Resource Person for the national workshop on "**Ethics of Writing and Publishing Research Articles**" conducted by Sridevi Arts and Science College, Ponneri, on 08-02-2014 for the main theme of the workshop and for the entire day.

12. Resource Person for the Faculty Development Program on "**Research Methodology & Ethics of Writing Research Articles**" conducted by D.B.Jain College, Thoraipakkam, Chennai-97 on 06-03-2014 for the main theme of the workshop and for the entire day.

13. Resource Person for the National workshop on "**Scientific Thesis Writing**" conducted by Anna Aadharsh College for Women, Anna Nagar, Chennai-30 on 19-09-2014 for the main theme the workshop and for the entire day.

14. Resource Person and Chair Person for National Conference on Global technology organized by VidyaSagar Women's College, Chengalpattu, Chennai, India on 10-02-2015.

15. Special Address for the inaugural function at the department of computer science titled "**Data Mining and Its Applications**" in Thiruthangal Nadar College, Madavaram, Chennai on 21-07-2013.

16. Resource Person for the inaugural function at the department of computer science titled "**Recent Advancements in Data Mining"** in Thiruthangal Nadar College, Madavaram, Chennai on 21-07-2013.

17. Special Talk on "**Cryptography**", Srimath Sivagnana Balaya Swamigal Tamil, Arts & Science College, Mailam - 604 304, Villupuram District, Tamil Nadu on 25-08-2014.

18. Resource Person for the UGC sponsored Refresher course on the topic "**Research Article Writing and Journal Publications**" conducted by University of Madras, Chennai, Tamil Nadu, during Nov. 2014.

19. Resource Person for the National workshop on "**Research methodology and Scientific Research Article Writing**" conducted by Dr. Ambedkar Govt. Arts College, Vyasarpadi, Chennai on 25-09-2015 for the main theme of the workshop and for the entire day.

20. Resource Person for the National workshop on "**Scientific Research and Its publications"** conducted by Kanchi Mamunivar Centre For Post Graduate Studies (Autonomous) Puducherry on 12-10-2015 for the main theme of the workshop and for the entire day.

21. Resource Person for the National workshop on "**Art of Writing Research articles and Journal Publications",** conducted by **VELS University**, Chennai, on 23-03-2016 for the main theme of the workshop and for the entire day.

22. Resource Person for IIR 2nd Virtual Conference on Science, Engineering and technology Applications on 26th Nov. 2016 at Chennai, Tamil Nadu, India. On the topic "**Research Methodology**".

23. Resource Person for the UGC sponsored Refresher course on the topic "**Research Article Writing and Journal Publications**" conducted by Bharathiar University, Coimbatore, Tamil Nadu, during Dec. 2016.

24. Resource Person and Inaugural address for the national level technical symposium named as "**Technothrist**' 16-17" at AVC college of Engineering, Manampanthal, Mayiladudurai on 24-02-2017.

25. Special Lecture for the inaugural function at the department of computer science titled as **"Recent Trends in Information Technology"** at Shri Krishnaswamy College for Women, Anna Nagar, Chennai-40 on 22-08-2017.

26. Resource Person for the National Seminar on "**Research Trends in Information Technology**" conducted by Sengamala Thayaar Educational Trust Women's College, Sundarakkottai, Mannargudi-614 016, Tamilnadu, India on 20-09-2017 for the main theme of the workshop.

27. **Invited Speaker**: The 10th Int'l Conference on Computational Intelligence and Software Engineering (CiSE 2018) held on January 5-7, 2018 in **Bangkok**, Thailand. http://www.engii.org/conference/CiSE/947s4722.html

28. **Invited Speaker:** 4th International Conference on Computing Paradigms (ICCP-2018) will be held on 20-22 July 2018 at Don Bosco College, Yelagiri Hills, Vellore District, Tamil Nadu, India. http://iccpconferences.org/speakers.php

29. Resource Person for the National workshop on **"Scholarly Article Writing and Journal Publications"** conducted by Crescent B.S. Abdul Rahman University, Vandalur, Chennai, Tamilnadu, India on 13-03-2018 for the main theme of the workshop.

30. Resource Person for the topic "**What to study after Plus Two**" at the Human Resource Development Training Institute, Chennai, India on 06-12-2018.

31. Resource Person for the Faculty Development Program on "**Research Intelligence with Technical Writing Skills**" conducted by Anna Aadharsh College for Women, Anna Nagar, Chennai-30 on 26-09-2018 for the main theme of the workshop and for the entire day.

32. Resource Person for the UGC sponsored Refresher course on the topic "**Technical Writing and Research Intelligence**" conducted by University of Madras, Chennai, Tamil Nadu, on 17-11-2018.

33. Resource Person for the National Seminar on "**Recent Research Trends in Computational Research**" conducted by Mar Gregorios College, Chennai on 25-01-2019 for the main theme of the workshop and for the entire day.

34. Invited Talk for the "**International conference on Emerging Inventive Technologies in Computer Science**" held on 15-02-2019 at Idhaya College for Women, Kumbakonam, Tanjore District. Tamil Nadu, India on the topic "**Research Article Writing**"

35. Resource Person for the Special Seminar on "**Recent Trends in Computer Science**" conducted by Saraswathi Arts and Science College, Tindivanam, on 13-03-2019.

36. Resource Person for the Special Seminar on "**Recent Trends in Information Technology**" conducted by Aries College of Arts and Science for Women, Vadalur, on 11-04-2019.

37. Resource Person for the inaugural function at the department of computer science titled "**Big Data Analytics**" in Thiruthangal Nadar College, Madavaram, Chennai on 08-07-2019.

38. Technical Talk at the department of Computer Science titled "**Big Data Analytics**" in Meenakshi Engneering College, West K.K.Nagar, Chennai on 31-07-2019.

39. Inaugural Address at Alpha Arts and Science College, Porur, Chennai for the Inauguration of MASS 2019.

40. Resource Person for the Workshop on "**Research Article Writing**" at Don Bosco College, Yelagiri Hills, India, on 7th Dec. 2019.

41. Resource Person for the UGC sponsored Refresher course on the topic "**Data Science and Big data Analytics**" conducted by University of Madras, Chennai, Tamil Nadu, on 13-11-2019.

42. Resource Person for National seminar on "**Recent Trends in Information Technology**" at Sri Subramaniyan Govt. Arts College, Tiruthani, Thiruvallur Dt, TamilNadu, India.

43. **Convocation Address** at Saraswathi Arts and Science College, Tindivanam, TamilNadu, India on 14th Feb. 2020.

44. **Chief Guest** and Resource Person for National Seminar on "**Natural Language Processing**" at Sri Sankara Arts and Science College, Enathur, Kanchipuram, Tamil Nadu. On 05-03-2020.

45. Resource Person for Faculty development program on "**Citing References using Mendeley Reference Manager"** at Department of BCA, D. G. Vaishnav College, Chennai on 27/04/2020.

46. Resource Person for Faculty development program on "**Art of Writing Research Article"** at Department of BCA, D. G. Vaishnav College, Chennai on 28/04/2020.

47. Resource Person for Workshop on "**Journal Searching Methods"** at Department of BCA, D. G. Vaishnav College, Chennai on 29/04/2020.

48. Resource Person for Workshop on "**Social Networks for Research Publications"** at Department of BCA, D. G. Vaishnav College, Chennai on 30/04/2020.

49. Resource Person for Webinar on "**Data Science"** at Department of BCA, D. G. Vaishnav College, Chennai on 01/05/2020.

50. Resource Person for Workshop on "**Online Learning and E-Certificate for Research"** at Department of BCA, D. G. Vaishnav College, Chennai on 02/05/2020.

51. Resource Person for Faculty Development Program on "**Artificial Intelligence"** at Department of BCA, D. G. Vaishnav College, Chennai on 09/05/2020.

52. Resource Person for Workshop on "**Classification Algorithms in Data Mining"** at Department of BCA, D. G. Vaishnav College, Chennai on 09/05/2020.

53. Resource Person for Workshop on "**Latex Tool for Document Preparation"** at Department of BCA, D. G. Vaishnav College, Chennai on 10/05/2020.

54. Resource Person for Webinar on "**Prediction and Classification in Data Mining"** at Department of BCA, D. G. Vaishnav College, Chennai on 10/05/2020.

55. Resource Person for Faculty Development Program on "**Big Data Analytics"** at Department of BCA, D. G. Vaishnav College, Chennai on 11/05/2020.

56. Resource Person for Workshop on "**Searching Data Sets for Research"** at Department of BCA, D. G. Vaishnav College, Chennai on 12/05/2020.

57. Resource Person for Faculty Development Program on "**Machine Learning Algorithms"** at Department of BCA, D. G. Vaishnav College, Chennai on 13/05/2020.

58. Resource Person for National webinar on "**Network Security**" at Thiruthangal Nadar Arts College, Chennai, TamilNadu, India on 15-05-2020.

59. Resource Person for Webinar on "**Ubiquitous Computing"** at Department of BCA, D. G. Vaishnav College, Chennai on 15/05/2020.

60. Resource Person for FDP on "**Teaching and Research in Higher Education**" at Mar Gregorios College of Arts and Science, Chennai, TamilNadu, India on 19-05-2020.

61. Resource Person for FDP on "**Intellectual Property Rights**" at Sri Saraswathy College of Arts and Science, Olakkur, Tindivanam, TamilNadu, India on 20-05-2020.

62. Resource Person for Webinar on "**Blockchain Technology**" at Arulmigu Sri SubramaniyaSwamy Govt. Arts College, Tiruttani, TamilNadu, India on 21-05-2020.

63. Resource Person for Workshop on "**Mendeley Reference Manager**" at Bhaktavatsalam Memorial College for Women, Chennai, TamilNadu, India on 22-05-2020.

64. Resource Person for FDP on "**Scholarly Article Writing**" at Govt. Arts College, Nandanam, Chennai-600035, TamilNadu, India on 24-05-2020.

65. Resource Person for FDP on "**Tools for Big Data**" at SCSVMV University, TamilNadu, India on 25-05-2020.

66. Resource Person for National Webinar on "**Computational Intelligence Methods**" at Alagappa University, Karaikudi, TamilNadu, India on06-06-2020.

67. Resource Person for Workshop on "**How to conduct Classes using Google Meet"** at Department of BCA, D. G. Vaishnav College, Chennai on 07/06/2020.

68. Resource Person for Webinar on **Basics of Cryptocurrency** at Saveetha University, Chennai, India 0n 12-06-2020.

69. Resource Person for National Webinar on "**Cloud Computing Technology"** at Arignar Anna Institute of Science and Technology, Sriperumbudur, Chennai – 60211 on 20-06-2020.

70. Resource Person for Webinar on "**Plagiarism in Research**" at Arignar Anna Government Arts College, Cheyyar - 604 407 on 22-06-2020.

71. Resource Person for Webinar on "**Big Data in Industry"** at Department of BCA, D. G. Vaishnav College, Chennai on 23/06/2020.

72. Resource Person for National level Webinar on "**Intellectual Property Rights**" at Meenakshi College of Engineering, West KK Nagar, Chennai on 24/06/2020.

73. Resource Person for Webinar on **How to Improve Citations, H index and i10 index via Research Articles** at National Level FDP on Art of Research Publication at The QuaideMilleth College for Men, Chennai, India on 25-06-2020.

74. Resource Person for the International Faculty Development Programme on the topic: "Excellence in Teaching, Learning & Research in Higher Education" at Patrician College of Arts and Science, Chennai on 29-06-2020 for the topic "**Teaching and Research in Higher Education".**

75. Resource Person for the International Faculty Development Programme on the topic: "Excellence in Teaching, Learning & Research in Higher Education" at Patrician College of Arts and Science, Chennai on 30-06-2020 for the topic **"LaTex tools for Document Preparation".**

76. Resource Person for National level Webinar on "**Intelligent Process Automation**" at Pavai Enggineering College, Namakal on 07-07-2020.

77. Resource Person for FDP on "**Effective Writing Strategies of Research Article for Premier Journals**" at Kongu Arts and Science College, Erode on 09-07-2020.

78. Resource Person for National Webinar on "**Social Impact of Technology-Driven Education**" at Sri Saraswathy College of Arts and Science, Olakkur,Tindivanam, TamilNadu, India on 15-07-2020.

79. Resource Person for National Webinar on "**Internet of Things (IoT)**" at Srimath Sivagnana Balaya Swamigal Tamil Arts, Science College, Mailam, Villupuram Dt, Tamil Nadu, India on 16-07-2020.

80. Resource Person for National Webinar on "**Research Opportunities"** at Dhanalakshmi Srinivasan College of Engineering, Namakal, Tamil Nadu, India on 22-07-2020.

81. Resource Person for Webinar on "**Compiler Design – An Introduction"** at Arulmigu Sri SubramaniyaSwamy Govt. Arts College, Tiruttani, ThiruvallurDt, TamilNadu, India on 25-05-2020.

82. Resource Person for Webinar on "**Effective Online Teaching"** at Govt. Arts College, Ariyalur, TamilNadu, India on 04/08/2020.

83. Resource Person for Webinar on "**NoSQL - Emerging Technologies For Big Data Processing**"at Department of BCA, D. G. Vaishnav College, Chennai on 12/08/2020.

84. Resource Person for Webinar on "**Soft Computing"** at Sree Narayana Guru Arts and Science College, Coimbatore, TamilNadu, India on 21/08/2020.

85. Resource Person for Webinar on "**Lexical Analysis in Compiler Design**" at Department of BCA, D. G. Vaishnav College, Chennai on 23/08/2020.

86. Resource Person for Webinar on "**Hive Tool in Big Data**" at Department of BCA, D. G. Vaishnav College, Chennai on 05/10/2020.

87. Resource Person for Webinar on "**MapReduce in Hadoop**"at Department of BCA, D. G. Vaishnav College, Chennai on 10/10/2020.

88. Resource Person for Webinar on "**YARN in Hadoop**"at Department of BCA, D. G. Vaishnav College, Chennai on 12/10/2020.

89. Resource Person for Webinar on "**Pig Tool for Big Data**"at Department of BCA, D. G. Vaishnav College, Chennai on 16/10/2020.

90. Resource Person for Webinar on "**Intelligent Process Automation**"at Department of Information Technology, Bon Secours College for Women, Thanjavur, Tamil Nadu, India on 27/10/2020.

91. Resource Person for Webinar on "**கற்றல், கற்பித்தலில் கணினியின் பயன்பாடுகள்**"at Department of Tamil & IQAC, AnnaiTerasa Arts and Science College, Thirukazhukunram, Tamil Nadu, India on 31/10/2020.

92. Resource Person for the Faculty Development Programme on the topic "Best practices in Research" at Sree Narayana College, Nattika, Thrissur, Kerala on 04-11-2020 for the topic "**Scientific Research Article Writing & Publications**".

93. Resource Person for the Webinar on "**Research Paper Writing**" at Dr. N.G.P. Arts and Science College, Coimbatore, India on 11-11-2020.

94. Resource Person for the National Webinar on "**Art of Writing Research Papers for Quality Publication**" at Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan, India on 09 December 2020.

95. Resource Person for the National Webinar on "**Internet of Things**", at School of Computer Science, MIT-World Peace University, Pune, India, on 26/12/2021.

96. Resource Person for the National Webinar on "**Revolutionary Artificial Intelligence Technologies**", at Marudhar Kesari Jain College for Women, India, on 05/02/2021.

97. Resource Person for the National Seminar on "**Internet of Things (IoT)**", at Apollo Arts and Science College, Chennai, India, on 13/03/2021.

98. Resource Person for the National Webinar on "Emerging Technologies in Artificial Intelligence", at Ethiraj College for Women, Chennai, India, on 29/03/2021.

99. Resource Person for the National Webinar on "Recent Trends in Machine Learning", at MEASI Institute of Information Technology, Chennai, India, on 23/04/2021.

Conference Publications / Participation

1. Participated in National Level Conference on Bio-Metrics at Erode Arts College, Erode from 28-01-2005 to 29-01-2005.

2. Velmurugan**. T,** "A comparative study of Support Vector Machines and Neural Networks", National Level Conference on Recent trends in IT at Bishop Heber College, Trichy from 29-04-2005 to 30-04-2005.

3. Priya. N and **T.Velmurugan,** "A Cross Comparison of two Clustering Algorithms", National Conference on Trends and Challenges in Research Areas of Computer Science, Presidency College, Chennai from 15-02-2007 to 16-02-2007.

4. **Velmurugan. T** and T.Santhanam, "Data Mining in Business – An Overview", National Conference on Trends and Challenges in Research areas of Computer Science (UGC Sponsored), Presidency College, Chennai, pp. 34, Feb-2007.

5. **Velmurugan. T** and T.Santhanam, "Clustering Techniques in Data Mining –An Overview", Proceedings of the National Conference on Human computer Interaction, Kongu Arts and Science College, Erode, India, Feb-2007, pp. 6-13.

6. **Velmurugan. T** and T.Santhanam, "Performance Analysis of K-Means and K-Medoids Clustering Algorithms for a randomly generated data set", Proc. of the Int. Conference on Systemics, Cybernetics and Informatics, Hyderabad, India, January 2008, pp. 578-583. (Selected as **Best Paper)**

7. **Velmurugan. T** and T.Santhanam, "Clustering of random data points using k-Means and Fuzzy-C Means Clustering Algorithms", Proc. of the IEEE International Conference on Emerging Trends in Computing, Virudhunagar**,** India, Jan. 2009, pp.177-180.

8. **Velmurugan. T** and T.Santhanam, "A Practical Approach of *k*-Medoids Clustering Algorithm for Artificial data points", Proc. of the Int. Conference on Semantics, E-business and E-Commerce, Trichirappalli, India, 2009, pp. 45-50, ISBN: 978-81-907337-0-0.

9. **Velmurugan. T** and T.Santhanam, "Implementation of Fuzzy C-Means Clustering Algorithm for Arbitrary Data Points", Proc. of the Int. Conference on Systemics, Cybernetics and Informatics, Hyderabad, India, January-2011, pp. 68-72, www.icsci.net

10. **T.Velmurugan**, "Evaluation of k-Medoids and Fuzzy C-Means Clustering Algorithms for Clustering Telecommunication Data", IEEE Proc. of the Int. Conference On Emerging Trends in Science Engineering and Technology INCOSET-2012, ISBN: 978-1-4673-5144-7/12, DOI: 10.1109/INCOSET.2012.6513891, pp. 115-120. **(SCOPUS)**

11. Dharmarajan. M and **T.Velmurugan**, "Exudates detection using Fuzzy C-Means algorithm in Image data", Proc. of the National conference on Recent Trends in Information Technology, Sengunthar Arts and Science College, Tiruchengode, Mar-2013, pp. 363-366.

12. Manimaran. N and **T.Velmurugan**, "A Survey of Association Rule mining using text Applications", Proc. of the National conference on Recent Trends in Information Technology, Sengunthar Arts and Science College, Tiruchengode, Mar-2013, pp. 367-371.

13. Dharmarajan. M and **T.Velmurugan**, "Applications of partition based clustering algorithms: A survey", IEEE Proc. of Int. Conference on Computational Intelligence and Computing Research (ICCIC), ISBN: 978-1-4799-1594-1, DOI:10.1109/ICCIC.2013.6724235, 2014, pp. 703 - 707. (**SCOPUS**)

14. Manimaran. N and**T.Velmurugan,** "A Survey of Association Rule mining in text Applications"**,** IEEE Proc. of Int. Conference on Computational Intelligence and Computing Research (ICCIC), ISBN: 978-1-4799-1594-1, DOI:10.1109/ICCIC.2013.6724258, 2014, pp. 698 - 702. (**SCOPUS**)

15. **T.Velmurugan**, "Clustering Arbitrary Data Points by k-Medoids and Fuzzy C-Means Algorithms", Int. Conference on Information, System and Convergence Applications, ISSN: 2383-479X, Manila, Philippines, 2014, pp. 249-253.

16. C. Anuradha and **T. Velmurugan**, "A Data Mining based Survey on Student Performance Evaluation System", IEEE Int. Conference on Computational Intelligence and Computing Research, ISBN: 978-1-4799-3972-5, DOI:10.1109/ICCIC.2014.7238389, 2014, pp. 452-455. **(SCOPUS**)

17. B. Padmapriya and **T.Velmurugan**, "A Survey on Breast Cancer Analysis Using Data Mining Technique", IEEE Int. Conference on Computational Intelligence and Computing Research, ISBN: 978-1-4799-3972-5, DOI**:** 10.1109/ICCIC.2014.7238530, 2014, pp. 1234-1238. **(SCOPUS**)

18. **T.Velmurugan** and A. Dharmarajan, "Clustering Lucg Cancer Data by k-Means and k-Medoids Algorithms", Int. Conference on Information and Convergence Technology for Smart Society, **Bangkok, Thailand,** ISSN: 2383-9279, Vol. 1, No. 1, 2015, pp. 17-21.

19. S. Deepalakshmi and **T. Velmurugan**, "A Comprehensive Survey on Filter approach to Feature Selection methods for high Dimensional Data", Int. Conference on Information and Convergence Technology for Smart Society, **Bangkok, Thailand,** ISSN: 2383-9279, Vol. 1, No. 1, 2015, pp. 62-66.

20. J. Manimaran and **T.Velmurugan**, "Implementing Association Rules in Medical diagnosis test data", Int. Conference on Information and Convergence Technology for Smart Society, **Bangkok, Thailand,** ISSN: 2383-9279, Vol. 1, No. 1, 2015, pp. 201-205.

21. G. Sekar and **T. Velmurugan**, "Smart ways for Fault-Tolerant transaction management in Non-Relational Distributed Database System", Int. Conference on Information and Convergence Technology for Smart Society, **Bangkok, Thailand,** ISSN: 2383-9279, Vol. 1, No. 1, 2015, pp. 242-247.

22. Participated in the Int. Conference on Information, System and Convergence Applications**, Kuala Lumpur, Malaysia**, 24-27, June 2015 (Online Presentation)

23. Participated in the 1st International Conference on computing paradigms held at Don Bosco College, Yelagiri Hills from 24 and 25 July, 2015.

24. E.Venkatesan and **T. Velmurugan**, "Role of Classification Algorithms in Medical domain: A Survey",Int. Conference on Information, System and Convergence Applications**, Kuala Lumpur, Malaysia**, 2015, pp. 71-76.

25. S. Mahalakshmi and **T.Velmurugan**, "Image Segmentation in Medical Data: A Survey", Int. Conference on Information, System and Convergence Applications**, Kuala Lumpur, Malaysia**, 2015, pp. 81-85.

26. A.Naveen and **T.Velmurugan**, "A Survey on Medical Images Extraction using Parallel Algorithm in Data Mining",Int. Conference on Information, System and Convergence Applications**, Kuala Lumpur, Malaysia**, 2015, pp. 86-91.

27. K. Saravananathan and **T.Velmurugan, "**Impact of Classification Algorithms in Diabetes Data: A Survey**", Int. Conference on Small & Medium Business**, January 19 - 21, 2016, Nikko Saigon Hotel, Hochiminh, Vietnam, pp. 271-275.

28. U. Latha and **T.Velmurugan,** "Analyzing Agricultural Text Data using Classification Algorithms"**, Int. Conference on Small & Medium Business**, January 19 - 21, 2016, Nikko Saigon Hotel, Hochiminh, Vietnam, pp. 339-344.

29. C. Anuradha and **T.Velmurugan,** "Feature Selection Techniques to Analyze Student Acadamic Performance Using Naïve Bayes Classifier"**, Int. Conference on Small &Medium Business**, January 19 - 21, 2016, Nikko Saigon Hotel, Hochiminh, Vietnam, pp. 345-350.

30. M.P. Sukassini and **T.Velmurugan,** "Noise removal using Morphology and Median filter Methods in Mammogram Images"**, Int. Conference on Small & Medium Business**, January 19 - 21, 2016, Nikko Saigon Hotel, Hochiminh, Vietnam, pp. 413-419.

31. S. Navitha and **T.Velmurugan**, "Performance Analysis of AODV and DSR routing Protocols in Mobile Ad-hoc Networks", **Int. Conference on Small & Medium Business**, January 19 - 21, 2016, Nikko Saigon Hotel, Hochiminh, Vietnam, pp. 420-424.

32. Participated in the 2nd International Conference on computing paradigms held at Don Bosco College, Chennai, from 22 to 24 July, 2016.

33. Participated in National Summit on Advancement and Automation of Accreditation for Higher Education in India held on 4th Feb. 2017 at Chennai.

34. Participated in the 10th Int'l Conference on Computational Intelligence and Software Engineering (CiSE 2018) held on January 5-7, 2018 in Bangkok, Thailand. http://www.engii.org/conference/CiSE/947s4722.html

35. Deepalakshmi. S and **Velmurugan T**, "A Study On Analysis Of Graph Clustering Techniques In Feature Selection", International Conference on Computing Sciences, Loyola College, Chennai, ICCS 2018.

36. Chair Person in the 3nd International Conference on computing paradigms held at Don Bosco College, Elagiri Hills, from 21 to 22 July, 2018.

37. Chair Person in the 3nd International Conference on computing paradigms held at Don Bosco College, Elagiri Hills, from 21 to 22 Aug, 2019.

38. S. Radhakrishnan, **T. Velmurugan** and D. Saikeerthana, "A New Method for Sovling Fully Fuzzy Transportation Problem",8[th]International Conference on Information, System and Convergence Applications(ICISCA 2020),12–15 Feb. 2020, Ho Chi Minh, Vietnam.

39. T. Indhumathy and **T. Velmurugan**, "Performance of K-Nearest Neighbor and Gated Recurrent Unit in Stock Market", International Conference on Recent Trends & Technologies in Soft Computing (ICRTSC'20), on 28th & 29th September 2020, St.Peter's Institute Of Higher Education & Research, Avadi, Chennai – 54, India, ISBN: 978-93-5416-195-7.

40. R. Arunkumar and **T. Velmurugan**, "An Exploratory Data Analysis Process On Groundwater Quality Data", International Conference on Recent Trends &Technologies in Soft Computing (ICRTSC'20), on 28th & 29th September 2020, St.Peter's Institute Of Higher Education & Research, Avadi, Chennai – 54, India, ISBN: 978-93-5416-195-7.

41. N. Jagadeesan and **T. Velmurugan**, "Impact of Classification algorithms for the prediction of Heart Disease: A Survey", Proceedings of the International Symposium on Innovation in Information Technology and Applications (ISIIT 2021), South Korea, Feb. 18-20, 2021.

Journal Publications

1. **Velmurugan. T** and T. Santhanam, "Computational Complexity between K-means and K-medoids clustering algorithms for normal and uniform distributions of data points", Journal of Computer Science, Vol. 6, Issue 3, 2010, pp.363-368, ISSN:1549-3636, DOI : 10.3844/jcssp.2010.363.368,(**SCOPUS**)

2. **Velmurugan. T** and T.Santhanam, "Performance Evaluation of K-Means and Fuzzy C-Means Clustering Algorithms for Statistical Distributions of Input Data Points", European Journal of Scientific Research, Vol. 46, No. 3, 2010, pp.320-330, ISSN: 1450-216X. http://www.eurojournals.com/ejsr.htm(**SCOPUS**)

3. **Velmurugan. T** and T.Santhanam, "Clustering Mixed Data Points Using Fuzzy C-Means Clustering Algorithm for Performance Analysis", International Journal on Computer Science and Engineering, Vol. 02, No. 09, 2010, pp. 3100-3105, ISSN: 0975-3397. **www.**enggjournals.com

4. **Velmurugan. T** and T.Santhanam, "A Survey of Partition Based Clustering Algorithms in Data Mining: An Experimental Approach", Information Technology Journal, Vol. 10, Issue 3, 2011, pp. 478-484, ISSN: 1812-5638, DOI:10.3923/itj.2011.478.484.(**SCOPUS**)

5. **Velmurugan. T** and T. Santhanam, "A Comparative Analysis between K-Medoids and Fuzzy C-Means Clustering Algorithms for Statistically Distributed Data Points", Journal of Theoretical and Applied Information Technology, E-ISSN 1817-3195 / ISSN 1992-8645,Vol. 27, No. 1, 2011, pp. 19–30, www.jatit.org**(SCOPUS)**

6. **T.Velmurugan**, "Performance Comparison between k-Means and Fuzzy C-Means Algorithms using Arbitrary Data Points", **Wulfenia Journal**, Vol 19, No. 8, Aug-2012, pp. 234-241, ISSN: 1561-882X, (**Impact Factor : 0.267 by SCI**) http://www.multidisciplinarywulfenia.org

7. **T.Velmurugan**, "Efficiency of k-Means and K-Medoids Algorithms for Clustering Arbitrary Data Points", Int. J. Computer Technology & Applications, Vol. 3 (5), 2012, pp. 1758-1764, ISSN: 2229-6093.

8. **T.Velmurugan**, "Performance Based Analysis Between k-Means and Fuzzy C-Means Clustering Algorithms for Connection Oriented Telecommunication Data", Applied Soft Computing (Elsevier), Vol. 19, 2014, pp. 134 - 146, DOI:10.1016/j.asoc.2014.02.011, ISSN: 1568-4946. **(Impact Factor = 2.140, 5-Year IF = 2.526 by SCI**)

9. A. Dharmarajan and **T. Velmurugan**, "Lung Cancer Data Analysis by k-means and Farthest First Clustering Algorithms", Indian Journal of Science and Technology, Vol. 8, No. 15, 2015, DOI: 10.17485/ijst/2015/v8i15/73329. **(SCOPUS**)

10. C. Anuratha and **T.Velmurugan**, "A Comparative Analysis on the Evaluation of Classification Algorithms in the Prediction of Students Performance**",**Indian Journal of Science and Technology, Vol. 8, Issue 15, 2015, DOI**:**10.17485/ijst/2015/v8i15/74555. **(SCOPUS**)

11. J. Manimaran and **T.Velmurugan**, "Analysing the quality of Association Rules by Computing an Interestingness Measures", Indian Journal of Science and Technology, Vol. 8, No. 15, 2015, DOI: 10.17485/ijst/2015/v8i15/76693. **(SCOPUS**)

12. G. Sekar and **T.Velmurugan**, "A Novel Framework CACTO- subject to Non-Relational Data Stores", **Ciencia e Tecnica**, Vol. 30, No. 7, 2015, pp. 124-141. **(**Impact Factor: 0.278 5-Year Impact Factor: 0.479 **- SCI)**

13. S. Mahalakshmi and **T. Velmurugan**, "Detection of Brain Tumor by Particle Swarm Optimization using Image Segmentation", Indian Journal of Science and Technology, Vol. 8, No. 22, 2015, DOI: 10.17485/ijst/2015/v8i22/79092. **(SCOPUS**)

14. M. P. Sukassini and **T. Velmurugan**, "A Survey on the Analysis of Segmentation Techniques in Mammogram Images", Indian Journal of Science and Technology, Vol. 8, No. 22, 2015, DOI: 10.17485/ijst/2015/v8i22/79105. **(SCOPUS**)

15. A. Naveen and **T. Velmurugan**, "Identification of Calcification in MRI Brain Images by k-Means Algorithm", Indian Journal of Science and Technology, Vol. 8, No. 29, 2015, DOI: 10.17485/ijst/2015/v8i29/83379. **(SCOPUS**)

16. E. Venkatesan and **T. Velmurugan**, "Performance Analysis of Decision Tree Algorithms for Breast Cancer Classification**",** Indian Journal of Science and Technology, 2015, DOI: 10.17485/ijst/2015/v8i1/84646. **(SCOPUS)**

17. S. Navitha and **T.Velmurugan**, "A survey on the Simulation Models and Results of Routing Protocols in Mobile Ad-hoc Networks", Int. Journal of Communication and Networking System, Vol. 04, Issue 02, 2015, pp. 10-15.

18. E. Venkatesan and **T.Velmurugan**, "Prediction of Tumor in Classifying Mammogram images by k-Means, J48 and CART Algorithms", Int. Journal of Data Mining Techniques and Applications, Vol. 04, Issue 02, 2015, pp. 29-34.

19. U. Latha and **T. Velmurugan**, "Effective Approaches of Classification Algorithms for Text Mining Applications", Int. Journal of Data Mining Techniques and Applications, Vol. 04, Issue 02, 2015, pp. 40-44.

20. E. Venkatesan and **T. Velmurugan**, "Extraction of Cancer Affected Regions in Mammogram Images by Clustering and Classification Algorithms", Indian Journal of Science and Technology, Vol. 9, Issue 30, 2016, DOI: 10.17485/ijst/2016/v9i30/93851 (**SCOPUS**).

21. B. Padmapriya and **T.Velmurugan**, "Classification Algorithm based analysis of Breast cancer data", Int. Journal of Data Mining Techniques and Applications, Vol. 5, Issue 1, pp. 43-49, 2016, DOI:10.20894/IJDMTA.102.005.001.010.

22. M. Pazhanivel and **T.Velmurugan**, "Technology Enabled Learning to Improve Student Performance: A Survey", Int. Journal of Data Mining Techniques and Applications, Vol. 5, Issue 1, pp. 50-56, 2016, DOI:10.20894/IJDMTA.102.005.001.011

23. K. Govindasamy and **T.Velmurugan**, "A Survey on the Result Based Analysis of Student Performance using Data Mining Techniques", Int. Journal of Data Mining Techniques and Applications, Vol. 5, Issue 1, pp. 91-95, 2016, DOI:10.20894/IJDMTA.102.005.001.022.

24. S. Navitha and **T.Velmurugan**, "Simulation Model Based Performance Analysis of DSR and TORA Routing Protocols in MANET", Int. Journal of Communication and Networking System, Vol. 5, Issue 1, 2016, DOI:10.20894/IJCNES.103.005.001.024.

25. **T.Velmurugan** and E.Venkatesh, "Effective Fuzzy C Means Algorithm for the Segmentation of Mammogram images of Identifying Breast Cancer", Int. Journal of Control Theory and Applications, Vol. 9, Issue 10, 2016, pp. 4647-4660 **(SCOPUS).**

26. **T.Velmurugan** and A.Naveen, "Analysing MRI Brain Images Using Fuzzy C–Means Algorithm", Int. Journal of Control Theory and Applications, Vol. 9, Issue 10, 2016, pp. 4661-4675 **(SCOPUS).**

27. S. Deepalakshmi and **T. Velmurugan**, "Empirical Study of Feature Selection Methods for High Dimensional Data", Indian Journal of Science and Technology, Vol. 9, Issue 39, 2016,DOI: 10.17485/ijst/2016/v9i39/90599(**SCOPUS**).

28. K.Saravananathan and **T. Velmurugan**, "Analyzing Diabetic Data using Classification Algorithms in Data Mining", Indian Journal of Science and Technology, Vol. 9, Issue 43, 2016, DOI: 10.17485/ijst/2016/v9i43/93874 (**SCOPUS**).

29. C.Anuradha and **T.Velmurugan**, "Fast Boost Decision Tree Algorithm: A novel classifier for the assessment of student performance in Educational data", Ciencia e Tecnica, Vol. 31, No. 11, 2016, pp. 139-155. (**Impact Factor: 0.278 5-Year Impact Factor: 0.479 – SCI**)

30. C.Anuradha and **T.Velmurugan**, "Performance Evaluation of Feature Selection Algorithms in Educational Data Mining", Int. Journal of Data Mining Techniques and Applications, Vol. 5, Issue 2, pp. 131-139, 2016, DOI:10.20894/IJDMTA.102.005.002.007.

31. A. Dharmarajan and **T.Velmurugan**, "Efficiency of k-Means and k-MedoidsClusteringAlgorithms using Lung Cancer Dataset", Int. Journal of Data Mining Techniques and Applications, Vol. 5, Issue 2, pp. 150-156, 2016, DOI:10.20894/IJDMTA.102.005.002.011.

32. **T. Velmurugan**, S. Mahalakshmi, "Efficiency of Fuzzy C Means algorithm for Brain Tumor segmentation in MR Brain Images", Int. Journal of Engineering and Technology, Vol. 8, No 6, 2016, pp. 2979-2989, DOI:10.21817/ijet/2016/v8i6/160806261 (**SCOPUS**)

33. S. Mahalakshmi and **T. Velmurugan**, "A Novel Approach to Find Tumor in MRI Brain Images using Image Segmentation Techniques", Int. Journal of Control Theory and Applications, Vol. 9, Issue 40, 2016, pp. 43-55 (**SCOPUS**).

34. **T. Velmurugan** and M.P. Sukassini, "Segmentation of Mammogram Image using Multilevel Threshold and Gravitational Search Algorithm", Int. Journal of Control Theory and Applications, Vol. 9, Issue 40, 2016, pp. 67-75 (**SCOPUS**).

35. Naveen and **T. Velmurugan**, "A Novel Layer Based Logical Approach (LLA) Clustering Method for Performance Analysis in Medical Images", Int. Journal of Control Theory and Applications, Vol. 9, Issue 40, 2016, pp. 99-109 (**SCOPUS**).

36. C.Anuradha, **T.Velmurugan**, R. Anandavally, "Clustering Algorithms In Educational Data Mining: A Review", Int. Journal of Power Control and Computation (IJPCSC) Vol 7. No.1, 2017, pp.47-52.

37. S. Deepalakshmi and **T. Velmurugan**, "A Clustering and Genetic Algorithm based Feature Selection (CLUST-GA-FS) for High Dimensional Data", Int. Journal of Control Theory and Applications, Vol. 10, Issue 23, 2017, pp. 63-76 **(SCOPUS).**

38. K. Govindasamy and **T. Velmurugan**, "A Study on Classification and Clustering Data Mining Algorithms based on Students Academic Performance Prediction", Int. Journal of Control Theory and Applications, Vol. 10, Issue 23, 2017, pp. 147-160 **(SCOPUS).**

39. S. Mahalakshmi and **T. Velmurugan**, "Segmentation of MRI Brain Images: A Comparative Analysis", Int. Journal of Control Theory and Applications, Vol. 10, Issue 23, 2017, pp. 161-172 (**SCOPUS).**

40. A.S.Arunachalam and **T. Velmurugan**, "A Survey on Educational Data Mining Tools and Techniques", International Journal of Data Mining Techniques and Applications, Vol. 5, Issue 2, 2016, pp. 167-171, DOI: 10.20894/IJDMTA.102.005.002.014, ISSN: 2278-2419.

41. S. Perumal and **T. Velmurugan**, "Image Segmentation Based Survey on the Lung Cancer MRI Images", International Journal of Data Mining Techniques and Applications, Vol. 5, Issue 2, 2016, pp. 172-177, DOI:10.20894/IJDMTA.102.005.002.015.

42. **T. Velmurugan**, "A State of Art Analysis of Telecommunication Data by k-Means and k-Medoids Clustering Algorithms", Journal of Computer and Communications, Vol. 6, Issue 1, 2018, pp. 190-202, https://doi.org/10.4236/jcc.2018.61019.

43. S.Karthiga and **T.Velmurugan**, "A Survey on the Security Issues of Software Defined Networking Tool in Cloud Computing", International Journal of Business Intelligents, Vol. 6, issue 2, 2017, pp. 27-33, DOI:10.20894/IJBI.105.006.002.001

44. R.Arunkumar and **T.Velmurugan**, "A Survey on the Analysis of Dissolved Oxygen Level in Water using Data Mining Techniques, International Journal of Data Mining Techniques and Applications", Vol. 6, Issue 2, 2017, pp. 43-51, DOI: 10.20894/IJDMTA.102.006.002.001, ISSN: 2278-2419

45. J.Manimaran and **T.Velmurugan**, "Evaluation of lexicon-and syntax-based negation detection algorithms using clinical text data", Bio-Algorithms and Med-Systems, Vol. 13, Issue 4, 2017, pp. 201-213, DOI: https://doi.org/10.1515/bams-2017-0016. **(SCOPUS)**

46. A. Naveen and **T.Velmurugan**, "An Analysis of Fuzzy C Means and Logical Average Distance Measure Algorithms using MRI Brain Images", International Journal of Computing Algorithm, Vol. 06, Issue. 02, 2017, pp. 65-73.

47. A. Naveen and **T.Velmurugan**, "An Efficient Logical Average Distance Measure Algorithm (LADMA) to analyse MRI Brain Images", International Journal of Data Mining Techniques and Applications, Vol. 06, Issue. 02, 2017, pp. 56-61.

48. A.S. Arunachalam and **T.Velmurugan**, "Measures for predicting success factors of ELearning in Educational institutions", International Journal of Pure and Applied Mathematics, Vol. 118, No. 18, 2018, pp. 3673-3678. **(SCOPUS)**

49. S.Perumal and **T.Velmurugan**,"Preprocessing by Contrast Enhancement Techniques for Medical Images", International Journal of Pure and Applied Mathematics, Vol. 118, No. 18, 2018, pp. 3681-3687. **(SCOPUS)**

50. A. Naveen and **T.Velmurugan**, "Clustering techniques on brain MRI", Indian Journal of Public Health Research and Development, Vol. 9, Issue 2, 2018, pp. 430-435, https://doi.org/10.5958/0976-5506.2018.00162.6. **(SCOPUS)**

51. A.S. Arunachalam and **T.Velmurugan**, "Analyzing student performance using evolutionary artificial neural network algorithm", International Journal of Engineering and Technology, Vol. 7, No. 2.26, 2018, pp. 67-73,DOI:10.14419/ijet.v7i2.26.12537. **(SCOPUS)**

52. S.Perumal and **T.Velmurugan**,"Lung cancer detection and classification on CT scan images using enhanced artificial bee colony optimization", International Journal of Engineering and Technology, Vol. 7, No. 2.26, 2018, pp. 74-79, DOI:10.14419/ijet.v7i2.26.12538.**(SCOPUS)**

53. **Velmurugan. T** and S. Deepalakshmi, "Stability of Indexed Microarray and Text Data", International Journal of Computing Algorithm, Vol. 6, Issue 2, 2017, pp. 64-68, DOI:10.20894/IJCOA.101.006.002.002, ISSN: 2278-2397.

54. Deepalakshmi, S. and **T. Velmurugan**, "Benchmarking Attribute Selection Techniques For Microarray Data", ARPN Journal of Engineering and Applied Sciences, Vol. 13, No. 1, 2018, pp. 3740-3748, ISSN 1819-6608. **(SCOPUS)**

55. K. Govindasamy and **T. Velmurugan**, "Analysis of Student Academic Performance Using Clustering Techniques", International Journal of Pure and Applied Mathematics, Vol. 119, No. 15, 2018, pp. 309-323, ISSN: 1314-3395. **(SCOPUS)**

56. K. Saravananathan and **T. Velmurugan**, "Cluster based performance analysis for Diabetic data", International Journal of Pure and Applied Mathematics, Vol. 119, No. 16, 2018, pp. 399-410, ISSN: 1314-3395. **(SCOPUS)**

57. **T. Velmurugan** and S. Navitha, "Relative recital of AODV and DSR Routing Protocolwithincreasing the mobile nodes in MANET", International Journal of Pure and Applied Mathematics, Vol. 119 No. 16, 2018, pp. 421-438, ISSN: 1314-3395. **(SCOPUS)**

58. S. Karthiga and **T. Velmurugan**, "An Implementation of Substitution Techniques in Cloud Security using Playfair and Caesar algorithms", International Journal of Pure and Applied Mathematics, Vol. 119 No. 17, 2018, pp. 509-524, ISSN: 1314-3395. **(SCOPUS)**

59. T.Indhumathy and **T.Velmurugan**, "Application of Utility Mining using Frequent Itemset and Association Rules: A Survey", International Journal of Data Mining Techniques and Applications, Vol. 07, Issue: 01, 2018, pp. 100-110, ISSN: 2278-2419.

60. J. Manimaran and **T. Velmurugan**, "Evaluation of Named Entity Recognition Algorithms Using Clinical Text Data", International Journal of Engineering &Technology, Vol. 7, No. 4.5, 2018, pp. 297-302, DOI:10.1515/bams-2017-0016**(SCOPUS)**

61. **Velmurugan. T** and Navitha. S, "A Comprehensive Analysis of Simulated results for the Performance of AODV and TORA Routing Protocols in Mobile Ad-hoc Networks", Journal of Computer Science, Vol. 15, Issue 4, 2019, pp. 582-593, DOI:10.3844/jcssp.2019.582.593.**(SCOPUS)**

62. U. Latha and **T. Velmurugan**, "Heart Disease Prediction Using Optimal Name Recognition based on Deep Learning Models and Whale Optimization Algorithms", Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, Issue 4, 2019, pp. 808-816. **(SCOPUS)**

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