

RESUME

Dr. M. SENBAGAVALLI,

Associate Professor,

Computer Science and Information Technology,

Alliance College of Engineering and Design,

Alliance University, Bangalore.

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Date of Birth : 09-06-1983

Nationality : Indian

Religion : Hindu

Marital Status : Married

EDUCATIONAL QUALIFICATION

Name of the Degree	Degree &Name of the College	Name of the university	Year of passing	CGPA/Percentage
Ph.D	Computer Science, Anna University	Anna University,Chennai	2017	Degree Awarded June 2018
M.E	Computer Science &Engg., Jayam College of Engineering & Technology, Dharmapuri.	Anna University,Chennai	2009	84%
B.E	Information Technology, Sona College of Technology, Salem.	Periyar University, Salam	2004	75%

PROJECT TITLES

Name of the Degree	Title of the project	Duration
Ph.D	Opinion Mining Of Health Data for Cardiovascular Disease Diagnosis Using Unsupervised Feature Selection Algorithm	5 Years
M.E	Face Recognition Using Laplacian Faces	6 Months
B.E	File System Using Unicode Character Set	6 Months
B.E(Mini Project)	Gaming System using Graphics	3 Months

SERVICES

Total Years of Experience: 18 Years 7Months

Name of the College/Institution	Designation	Duration	Years of experience
Alliance University, Bangalore	Associate Professor	02.05.2018 to Till Date	5 Years 8 Months
Kuppam Engineering College	Associate Professor	27.11.2017 to 30.04.2018	5 Months
PSV College of Engg. and Technology	Assistant Professor	10.06.2015 to 02.06.2017	2 Years
Jayam College of Engineering & Technology, Dharmapuri.	Associate professor	01.12.2010 to 29.05.2015	4 Years 5 Months
Jayam College of Engineering & Technology, Dharmapuri.	Lecturer	20.06.2005 to 20.11.2010	5 Years 4 Months

Laxminarayana Polytechnic College, Dharmapuri.	Lecturer	01.06.2004 to 07.03.2005	9 Months
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SUBJECTS TAUGHT FOR UG AND PG and Ph.D

Data Modeling and Optimization, Fundamentals of Data Modeling, Object Oriented Programming, Java Programming, C# and .NET Framework, Visual Programming (VC++), Object Oriented Analysis and Design, Enterprise Computing, Computer Networks, Network Programming and Management, Software Design, Software Testing, Computer Graphics, Service Oriented Architecture, Software Engineering and Quality Assurance, XML and Web Services, Software Requirements Engineering, Operating System, Internet Programming, Design and Analysis of Algorithms, UNIX programming and practice, System software, Data Warehousing and Data Mining, Software Engineering, Object Oriented Programming, Software Quality Engineering.

ADMINISTRATIVE EXPERIENCE & OTHERS

- Member in All India Council For Technical Skill Development (AICTSD)
- Reviewer in Bentham Science Publishers, International Publisher for Journals and Books.
- Editorial Board Member in Journal of Trading, Economics and Business.
- Reviewer in Alexandria Engineering Journal, Elsevier.
- Reviewer in Journal of Ambient Intelligence and Humanized Computing, Springer
- Reviewer in IGI Global e-Discovery, Scopus Indexed
- Department Coordinator for ISO Activities in Jayam College of Engineering and Technology, Dharmapuri and PSV College of Engineering and Technology, Krishnagiri.
- Faculty advisor and Member in curriculum development, project evaluation, NBA Work, NACC and examination cell.
- Organizer for various departmental seminars, workshops, Conferences, Symposium and celebrations.
- Editorial board member in International Journal of Research Review in Engineering and Management (IJRREM), Impact Factor: 2.9463.

RECENT ACTIVITIES

- Participated FDP on “Advances in Artificial Intelligence and Machine Learning”, by The Oxford College of Engineering, Bangalore from 26-31 July 2021.
- Participated two days online FDP on “NACC Assessment and Accreditation framework of HEIs” on 22nd and 23rd July 2021.
- Attended on Virtual Faculty Development Program (VFDP) “Android Development with Kotlin by ICT Academy” scheduled from 26-30 July 2021 from 1:50 PM to 4:30 PM organized by ICT Academy.
- Webinar has been Organized to CSE and IT Students on Setup and Manage Private Cloud Infrastructure using OpenNebula on 16.03.2021
- Presented a paper titled “Algorithms and Applications of Sentiment Analysis” in National Conference on “Recent trends in Computer Science-NCRTCS’19” at kamadhenu college of Arts and Science-, Dharmapuri.
- Attended Outcome Based Education (OBE) Workshop on 17th and 18th Jan 2019 in ACED.
- Involved in Organizing ACT Project Exhibition on 22nd and 23rd March 2019.
- Reviewed two research papers for our international conference “AICAAM2019”
- Nominated as OBE Champion in Department level
- Member in ICTACT Oracle Academy
- Membership in IET
- Member in National Institute for Technical Training and Skill Development”, NITTSD/Professor/10749, 24/07/2021.
- Member in APR(Association of Pharmaceutical Research.

PATENT DETAILS

1. **German Patent filed and published with title “A Novel IOT Enabled Accident Deterrent and Tracking System”**, patent no: 202023101329, June 2023.
2. **UK Design Patent filed and published with title “IoT based solar powered rail track inspection trolley”**, Version: 14-2023, Design number: 6274978, Grant date: 21 April 2023, Registration date: 11 April 2023.
3. **Indian Patent filed and published with title “Implementation of Artificial Intelligence and Machine Learning Approaches for Safety Management Aspects in Civil Engineering”**, Application No.202341007284 A, Date of filing of Application :05/02/2023, Publication Date : 10/02/2023.
4. **Indian Patent filed and published with title “Systematic Approach to Analyze the Evolution of Artificial Intelligence in Smart Buildings for Energy Efficiency”**, Application No.202341002132 A, Date of filing of Application :11/01/2023, Publication Date : 20/01/2023.
5. **Indian Patent filed and published with title “Deep Learning Based Medical Security System For Patient Data Protection”**, 202341060056, September 2023.
6. **UK Design Patent filed and published with title “Wearable device for monitoring the health of mother and fetus during pregnancy”**, Design no 6310508, September 2023.
7. **UK Design Patent filed and published with title “AI Device for Cancer Detection”**, 6317038, October 2023.
8. **UK Design Patent filed and published with title “AI-Enabled Charging Station For Electric Vehicles”**, 6324117, November 2023.
9. **Australian Patent filed and published with title “Artificial Intelligence Based Cooling System for Managing the Energy Efficiency”**, applied on 21/02/2021 IP Australia batch reference SPBI-0002485856,published in the year 2021
10. **Indian Patent filed and published with title “Automated Meticulous Mitigation Of Traffic Congestion in Handling Uninterrupted Travel Of Emergency Vehicles Using RFID and IoT”**, filed on 22.05.2021 and published on 11.06.2021. Application No.202141022931 A,Indian Patent, link: <https://ipindia.gov.in/journal-patents.htm>
11. **Indian Patent filed and published with title “A Real-Time Amateur Sensory Tracker with Extensive Spans Of Mitigative and Recovery Operations in Emergencies”**, filed on :06/08/2021and published on 13/08/2021. Application No. 202141035459 A. link: https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_5003_1/Part-1.pdf

12. **Indian Patent filed and published with title** “A **Self-Driven** and Security Platform using IoT”, filed on :09/09/2021and published on 04/10/2021. Application No. 202141040850. link: <https://search.ipindia.gov.in/PublicSearch/PublicationSearch/Search>
13. **Indian Patent filed and Published** with title “**Data Traffic Analysis** Based IoT Detection Using Honeynet DA Classification”,Date of filing of Application :24/10/2019,Publication Date : 01/11/2019 Application No.201941043184 A.

COPYRIGHT

1. **Copyright filed**, got approval and waiting for publication with title “A PROFICIENT DEEP LEARNING METHOD FOR COVID-19 DISEASE DETECTION BASED ON CT SCAN IMAGES”, diary number: 24954/2021-CO/L, <https://copyright.gov.in/frmstatus.aspx>

GUEST LECTURE

1. **Guest Speaket with Title “Python for Data Science”** on 29.12.2022 for 3rd and final year CSE students, organized by Department of CSE and System Engg., “Mohan Babu University”, Tirupati.
2. **Guest Speaket with Title “Handling of Java Programming”**, organized by the department of MCA, Sona College of Arts and Science, Salem, on 15.03.2023.
3. **Guest Speaket with Title “Fundamentals of data science using R programming – Hands On”** on 30.08.2022 (1 day) for 3rd and final year CSE students, organized by Department of CSE, Kingston Engineering College, Vellore.
4. **Guest Speaker with title “Deep Learning and its Applications”** on 23.05.2022 from 9.30am to 11.30am, Department of ISE in association with Vemana Institute of Technology NDLI Club, Bangalore.
5. **Guest Lecture with title “Deep learning and its applications”** on 11.06.2022 from 4.00pm to 5.00pm organized by department of CA, ITER , S‘O’A Deemed to be University, Bhubaneswar, Odisha, India .
6. **Guest Speaker with title “Introduction to Machine Learning and Deep Learning”** from 29.09.2021 to 06.10.2021, organized by Department of CSE, Kuppam Engineering College, Kuppam, Andhra Pradesh.
7. **Guest Speaker(ATAL) with title “Introduction to Recurrent Neural Networks- Hands On”**, on 27-08-2021, from 11.00 am to 1.00 pm, Department of CSE, Panimalar Engineering College,Chennai.
8. **Guest Speaker with title “WEKA tool for DataMining”**, on 20-05-2021, from 11.00 am to 1.00 pm, Department of CSE, Thanthai Periyar Government Institute of Technology, Vellore -02.
9. **Guest Speaker(ATAL) with title “ Data science using MAT LAB”** in AICTE Sponsered STTP onData Science Tools and Techniques in Engineering on 23-02-2021 session from 02.00 PM to 04.00 Porganized by PSNA College of Engineering and Technology, Dindigul.

10. **Guest Speaker with title “OOP in software Engineering”** for National Conference on “Recent Trends in Computer Science NCRTCS-19 by Kamadhenu College of Arts and Science,Dharmapuri.

BOOK CHAPTER PUBLICATIONS

1. **Senbagavalli M**, “A Role of Artificial Intelligence and Machine Learning Algorithms for Energy Efficiency” in IGI Global e-Discovery, 2023. <https://www.igi-global.com/chapter/a-role-of-artificial-intelligence-and-machine-learning-algorithms-for-energy-efficiency-applications/331329>.
2. **Senbagavalli M**,” A Review on the Impact of Hybrid Renewable Energy Systems for Sustainability and Energy Management”, in IGI Global e-Discovery, 2023. <https://www.igi-global.com/chapter/a-review-on-the-impact-of-hybrid-renewable-energy-systems-for-sustainability-and-energy-management/331337>.
3. **Senbagavalli M**, Deep learning model for flood estimate and relief management system using hybrid algorithm” Elsevier, January 2023. <https://www.sciencedirect.com/science/article/pii/B9780323995030000211>.
4. **Senbagavalli M and Chandrasekaran**,”Data Science Applications of post COVID-19 Psychological disorders – Multimodality Analysis of psychological disorders”,published in Nova Publishers- Nova medicine and health, Oct’2022,Chapter 7, Pg.no. 131. <https://novapublishers.com/shop/data-science-applications-of-post-covid-19-psychological-disorders/>.
5. **Senbagavalli, M 2022**, Artificial Intelligence and Medical Information Modeling, in IGI Global e-Discovery,June 2022. <https://www.igi-global.com/chapter/artificial-intelligence-and-medical-information-modeling/306156>.
6. **Senbagavalli, M 2020**, “Relative Analysis on Algorithms and Applications of Deep Learning” in IGI Global e-Discovery. <https://www.igi-global.com/chapter/relative-analysis-on-algorithms-and-applications-of-deep-learning/234128>.
7. **Senbagavalli, M 2021**, “Social Media Content Analysis-Case study approach in Machine Learning” in IGI Global e-Discovery- Jauary-2021. <https://www.igi-global.com/chapter/social-media-content-analysis/267245>.

JOURNAL PUBLICATIONS

1. **M. Senbagavalli** and S. K. Singh, "Improving Patient Health in Smart Healthcare Monitoring Systems using IoT," 2022 *International Conference on Futuristic Technologies (INCOFT)*, Belgaum, India, 2022, pp. 1-7, doi: 10.1109/INCOFT55651.2022.10094409.
2. Manju Bargavi, **M.Senbagavalli**, Tejashwini.K.R, & Tejashvar.K.R. (2022). Data Breach – Its Effects on Industry. *International Journal of Data Informatics and Intelligent Computing*, 1(2), 51–57. <https://doi.org/10.59461/ijdiic.v1i2.31>
3. **M, A., & M, S.** (2023). Dynamic Mobile Cloud Eco System Security - A Review. *International Journal of Data Informatics and Intelligent Computing*, 2(1), 62–69. <https://doi.org/10.59461/ijdiic.v2i1.44>
4. **Senbagavalli M**, S. Debnath, R. R and K. Ghildial, "Facemask Detection System using CNN Model," 2023 *International Conference on Recent Advances in Science and Engineering Technology (ICRASET)*, B G NAGARA, India, 2023, pp. 1-6, doi: 10.1109/ICRASET59632.2023.10420345. -IEEE

5. R. Rajagopal, **M. Senbagavalli**, S. Debnath, D. K. D. K and K. S. Varun Tejas, "An Evaluation of Machine Learning Techniques for Detecting Banking Frauds," *2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)*, Erode, India, 2023, pp. 359-365, doi: 10.1109/ICSSAS57918.2023.10331658. - IEEE
6. **Senbagavalli M**, Saswati Debnath and Ramalakshi K,"Secret key verification techniques for graphical password authentication system to avoid shoulder surfing" published in *Topics in Intelligent Computing and Industry Design (ICID)*, ISBN: 978-1-948012-16-4, (2022) 164-169, 10.26480/icpesd.03.2022.164.169.
7. Velayutham Sathiyamoorthy, Pon Harshavardhanan, Hussain Azath, **Marimuthu Senbagavalli**,Ayyappillai Mallika Viswa Bharathy, Bala Subramanian Chokkalingam, An effective model for predicting agricultural crop yield on remote sensing hyper-spectral images using adaptive logistic regression classifier, *Concurrency Computat Pract Exper.*,2022
8. **Saswati Debnath,Ramalakshmi K and Senbagavalli M** 2021, presented paper entitled "Multimodal Authentication System based on Audio -Visual data: A Review,IEEE.
9. **Dr. S.K. Manju bargavi Dr.M.Senbagavalli , Dr.R.Saravanakumar, Dr.T.Tamilselvi , Dr Chetan J. Shelke**,"SMART MEDICAL CARE MONITORING FRAMEWORK EXPLOITING INTERNET OF THINGS DURING COVID-19", *Vidyabharati International Interdisciplinary Research Journal (Special Issue)*,November 2021, ISSN 2319-4979,link: <http://www.viirj.org/specialissues/SP11/Part%2021.pdf>, pg.no 3171-3175
10. **Rajath V, Swetha Shekarappa G and Senbagavalli M,2021'** Automated Wheelchair Controller System using IoT', *ICT ACADEMY Journal on Communication Technology (IJCT)*,Submitted Paper on 05.08.2021. link: <https://www.ijraset.com/fileserve.php?FID=37997>. Volume 9 Issue IX Sep 2021,doi: <https://doi.org/10.22214/ijraset.2021.37997>,pgno: 628-639
11. **Senbagavalli M and Swetha Shekarappa G** 2021,'CNN Model for Image Classification using ResNet', *International Journal of Computer Science Engineering and Information Technology Research journal* , Vol. 11, Issue 1, Jun 2021,Pg.No.119-128. Link: <http://www.tjprc.org/publishpapers/2-14-1622524305-IJCSEITRJUN202112.pdf>
12. **Bhagya V, Vasantha kumariA,Mohd.Umarpeerzade, Subhralina Nayakand Dr.M.senbagavalli,**' Biometric Authentication system using visual cryptography', *International Research Journal of Engineering and Technology*,volume 8,Issue2,pages: 662-669. Link: <https://www.irjet.net/archives/V8/i2/IRJET-V8I2117.pdf>
13. **Keerthi Varman.G Santosh Raghavendraru, Richard Martin.Mand Dr SenbagavalliM** 2021 ,' Evaluation of Different Optimizers in Neural Networks with Imbalanced Dataset', *International Research Journal of Engineering and Technology (IRJET)*,Volume8,Issue2,pages: 2219-2225. Link: <https://www.irjet.net/archives/V8/i2/IRJET-V8I2328.pdf>
14. **Hitesh Kumar M Pankaj Kumar Singhand Dr. Senbagavalli M** 2021,'Mushroom Classification Using Random Forest Classifiers with Python, *GIS Science Journal*,volume8,issue3,pages 44-51.link: <https://drive.google.com/file/d/1oE00Mo1frMtlj8QMuKNd5IY1sZS7rZDR/view>
15. **Soumyakshya Das Kamranand Dr Senbagavalli M2021,**' Discernment of Insurance Fraud Detection using various Classification Algorithms, *GIS Science Journal*,volume8,issue3,pages: 145-154. Link: <https://drive.google.com/file/d/1TWtfII5T-52S-8xykkP9HYpxzkphY5Aw/view>
16. **Himanshu Bhatnagar Shanti Konda,Muralidhar Billaand Dr.SenbagavalliM2021,**' GBDT, LR and Deep Learning for turn-based role-playing puzzle game AI, *LINO journal*,Feb 2021. Link: <http://linojournal.com/index.php/vol11issue2/>

17. **Utkarsh Sharma and Dr. Senbagavalli M 2021**, 'An Intelligent System for Fake News Detection Using Recurrent Neural Network', International Journal of Management, Technology And Engineering, volume 10, Issue 12. Link:
18. **Senbagavalli, M 2020**, 'A Reliability System for Filtering Malicious Information on Social Network', International Journal of Management, Technology And Engineering, volume 10, issue 1, pages 202-214. Link <https://app.box.com/s/g69c4fqu7brkdn6fy99qhisx4t90ew6>
19. **Senbagavalli, M 2020**, 'Visualization of Enterprise Grade Cloud Architecture for the Most Cost-Effective Application Deployment using Mining Tool', International Journal for Research in Engineering Application and Management, volume 5, issue 10, pages 182-188. link: <http://ijream.org/papers/IJREAMV05I1058063.pdf>
20. **Senbagavalli, M 2019**, 'Datamining Techniques on Predicting Heart Disease (An Extensive Survey)', Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 2. (ISSN-2349-5162), Pg. No. 71-76.
21. **Senbagavalli, M 2018**, 'Implementation of Online Crime Reporting System', International Journal of Research Review In Engineering And Management, Volume -2, Issue -4, April - 2018, Page No: 1-13.
22. **Senbagavalli, M 2018**, 'A Combined Approach for Supervised Learning of Online User Reviews using Opinion Mining', International Journal of Research Review In Engineering And Management, Volume-2, Issue-2, P.NO.1-21.
23. **Senbagavalli, M & Tholkappia Arasu, G 2016**, 'An Efficient Feature Selection Technique of unsupervised learning approach for analyzing web opinions', Journal of Scientific & Industrial Research Vol. 75, April 2016, pp. 221-224, Annexure-I. **Scopus**
24. **Senbagavalli, M 2016**, 'Evaluating Mental Health Workload among Employee using Artificial neural network', International Journal of Emerging Technology in Computer Science and Electronics –Vol. 23, Issue No. 1.
25. **Senbagavalli, M & Tholkappia Arasu, G 2016**, 'Opinion Mining for Cardiovascular Disease using Decision Tree based Feature Selection', Asian Journal of Research in Social Sciences and Humanities –Vol. 6, No. 8, August 2016, pp. 891-897, ISSN 2249-7315, Updated List.
26. **Senbagavalli, M 2016**, 'Offloading Android Applications to the Cloud without Customizing Android', International Journal of Emerging Technology in Computer Science and Electronics –Vol. 21, Issue No. 2, April 2016.
27. **Senbagavalli, M & Tholkappia Arasu, G 2015**, 'Optimization of Human Liver Cancer using Fuzzy Inference System for Microarray Gene Data', in Australian Journal of Basic and Applied Sciences, 9(10), ISSN: 1991-8178, Pages: 86-92. Annexure-II. **Scopus**
28. **Senbagavalli, M & Tholkappia Arasu, G 2014**, 'A Computational Modeling of Epidemics using Susceptible-Exposed-Infected-Recovered Deceased Model', in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9 No. 27 (2014) pp. 9433-9437. Annexure-II. **Scopus**
29. **Senbagavalli, M & Tholkappia Arasu, G 2014**, 'A Competent approach for extracting and visualizing web opinions using Clustering', in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 6, ISSN: 2277 128X.
30. **Senbagavalli, M & Tholkappia Arasu, G 2014**, 'Delegating Log Management to the Cloud by Secure Logging as a Service', in International Journal of Advanced Research in Computer Engineering and Technology (IJARCET), Volume 3, Issue 3.

PAPER PRESENTATION DETAILS

INTERNATIONAL CONFERENCE PUBLICATIONS

1. **M. Senbagavalli**, 8th International Conference on IoT& Connected Technologies(ICIoTCT 2023), “**A Novel Heart Disease Monitoring and Prediction Using Machine Learning Algorithm**” held at National Institute of Technology Mizoram, Aizawl, Mizoram from 13th October to 14th October 2023.
2. R. Rajagopal, **M. Senbagavalli**, S. Debnath, D. K. D. K and K. S. Varun Tejas, "An Evaluation of Machine Learning Techniques for Detecting Banking Frauds," *2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)*, Erode, India, 2023, pp. 359-365.
3. **S. M.**, S. Debnath, R. R and K. Ghildial, "Facemask Detection System using CNN Model," *2023 International Conference on Recent Advances in Science and Engineering Technology (ICRASET)*, B G NAGARA, India, 2023, pp. 1-6, doi: 10.1109/ICRASET59632.2023.10420345.
4. Saswati Debnath, **Senbagavalli M** & Rajagopal R, Lip Geometry feature-based Visual Digital Recognition in 8th international conference on smart trends in computing and communications.
5. **Senbagavalli M** and Sanjeev kumar singh,"Improving patient health in smart health care monitoring system using IoT" in 2022 International Conference on Futuristic Technologies (INCOFT), in 2022, International Conference on Futuristic Technologies (INCOFT) during 25th & 27th, November 2022.
6. **Senbagavalli M**, Saswati Debnath and Ramalakshi K,"Secret key verification techniques for graphical password authentication system to avoid shoulder surfing" at International Conference on Power Electronics & Sustainable Development (ICPESD) organized by National Institute of Technology, Jamshedpur from 23rd-24th April 2022.
7. **Saswati Debnath,Ramalakshmi K and Senbagavalli M** 2021, presented paper entitled “Multimodal Authentication System based on Audio -Visual data: A Review” in 2022 International Conference for Advancement in Technology (ICONAT) during 21st & 22nd January 2022,RIT Rajarambapu Institute of technology,IEEE Bombay Section.
8. **Alen Charuvila Saji, Ramalakshmi K, Dr.Senbagavalli.M** 2021, presented a paper entitled “Hand Sign Recognition Using YOLOV5”, in the International Conference on Emerging Trends in Communication and Networking (ETCAN'21) held from 22.10.2021 to 23.10.2021 at Kongunadu College of Engineering and Technology (Autonomous), Trichy, Tamilnadu, India.
9. **Senbagavalli, M** 2016, ‘Evaluating Mental Health Workload among Employee using Artificial neural network’, International Conference on Advances in Emerging Technology(ICAET) , Jaya Engineering College,Chennai.
10. **Senbagavalli, M** 2016, ‘Offloading Android Applications to the Cloud without Customizing Android’, International Conference on Emerging Technology (ICERT), Sree Sastha College of Engineering,Chennai.
11. **Senbagavalli, M** &Tholkappia Arasu,2015 ‘Diligence shared provisional sweeping Authority for cloud backup services of personal storage’,2ndInternational Conference TITCON-2015,AVS College of Engineering,Salem.
12. **Senbagavalli, M** &Tholkappia Arasu,2015 ‘Optimization of Human Liver Cancer using Fuzzy Inference for Micro Array Gene Data’,International Electrical Electronics and Computer Engineering,Vivekanandha College for Women,Thiruchengode.

13. **Senbagavalli, M** &TholkappiaArasu,G 2014, 'An Efficient Anonymization approach for Handling Structural Re-identification of Sensitive Data', International Conference on Trends in Technology for Convergence (TITCON 2014), A.V.S Engineering College,Salem.
14. **Senbagavalli, M** &TholkappiaArasu,G 2013, 'A Survey on Opinion Mining Using Clustering Algorithms', International Conference on Sustainable Approaches for Green Computing, Economy & Environment (SAGCEE13) 9-11, VMKV Engineering College, Salem.
15. **Senbagavalli, M** &Tholkappia Arasu,2013 'A Survey on Web Opinion Mining Using Clustering Algorithms', International Conference ICACT-2013,JKKNattaraja College of Engineering and Technology.

NATIONAL CONFERENCE PUBLICATIONS

1. Presented a paper titled "A Survey on Web Caching Techniques" in AICTE Sponsered 6Th National Conference on "Innovative Research in Science,Engineering and Management" ,Organized by PSV College of Engineering and Technology on 2nd and 3rd August,2021.
2. Presented a paper titled "A Study of Optimization Algorithms in Machine Learning" in AICTE Sponsered 6th National Conference on "Innovative Research in Science,Engineering and Management" ,Organized by PSV College of Engineering and Technology on 2nd and 3rd August,2021.
3. Presented a paper titled "Algorithms and Applications of Sentiment Analysis" in National Conference on "Recent trends in Computer Science-NCRTCS'19" at kamadhenu college of Arts and Science-, Dharmapuri on 08.02.2019.
4. Presented a paper titled "Opinion mining of Health Data for heart disease using machine learning Approach" in NCIRSEM'16, organized by PSV College of Engineering and Technology, April'2016.
5. Presented a paper titled "Privacy preservation of social network data against structural attacks using k-auto restructure" in ICET2014, organized by Paavai Engineering College, Feb'2014.
6. Presented a paper titled "K-Auto restructure for Privacy Management of Social Network Data against Multiple Structural Attacks" in TITCON'2014, organized by AVS Engineering College, March'2014.
7. Presented a paper titled "A Survey On Opinion Mining Using Clustering Algorithms" in SAGCEE2013,organized by VMKV Engineering College, Dec'2013.
8. Presented a paper titled "Spam Mail Filtering Practices is using diverse decision tree classifiers using data mining approach" organized by Shreenivasa Engineering College, Feb'2013.
9. Presented a paper titled "Scalable Web Mining Architecture" in XETA-2K11, organized by Jayam College of Engg. & Technology, Dharmapuri, March'2011.
10. Presented a paper titled "An Agent Based Intelligent Architecture for Web opinions and social interactions with clustering" in ETCA-2k12, organized by PSV college of Engineering and Technology, May'2011.
11. Presented a paper titled "Face Recognition using Laplacian Faces" in CODECLAVE 9.2 organized by Government College of Engineering,salem-11 on 27th February-2009.

12. Presented a paper titled “Intelligent Traffic Monitoring System” in XETA-2K8 organized by Jayam College of Engg& Technology, Dharmapuri During 4th and 5th April-2008.
13. Presented a paper titled “Network Security-Kerberos” in XETA-2K7 organized by Jayam College of Engg& Technology, Dharmapuri during 4th and 5th April-2007.

Sample Reviewed Papers in Journal:

1. Paper titled “A Zone Routing Protocol incorporated with Sleep Scheduling for MANETs” -Manuscript Number: AIHC-D-19-01357 in Journal of Ambient Intelligence and Humanized Computing, Editor Name: Patricia Melin, AuthorName:Shanthyr,Sona College of Technology,Salem.
2. Paper titled Low Cost Covid-19 preliminary Diagnosis utilizing cough samples and keenly intellectual deep learning approaches Alexandria Engineering Journal,Alexandria Engineering Journal - Impact Factor: 3.696, Editor Name:Prof.V.Sudaroli,Asst. Professor,PESUniversity,Bangalore.

Reviewer in International Conference:

1. Core committee member in 3rd International Conference on Multidisciplinary Innovation in Academic Research (ICMIAR-2021), Le Royal Meridian Hotel, Chennai, India on November 25th and 26th 2021 organized by IFERP (Institute For Engineering Research and Publication).
2. International Conference on Disruptive Technologies for Multi-Disciplinary Research & Applications,organized by Dayananda Sagar University,Bangalore.
3. International Conference on Intelligent Systems and Sustainable Computing-ICISSC-2021,Malla Reddy University, Hyderabad, India, September 24-25, 2021

Online Webinar/FDP/Workshop Details:

1. Attended National Level one week Faculty Development Program on “Drifts in Cyber crimes”,Organized by Department of Computer Science and Engineering from 02.09.2021 to 07.09.2021.
2. Attended Two days Awareness Workshop on “Improving Research and Performance Outcomes”,organized by ELSEVIER,on 31.08.2021.
3. Attended Faculty Day Program organized by ICTACT Academy on 10.08.2021.
4. Attended Webinar on "Power of Patents and Ways for filing Patents", organized by Rotary Club of Global Scholars on 11.08.2021.
5. Attended workshop on “Intellectual Property Rights”,conducted by MDBWorks in Dayananda Sagar University on 23.11.2019.
6. Attended workshop on “cyber security and digital forensics”,conducted by New Harizon College of Engineering,Bengaluru from 12.12.2019 to 14.12.2019.

7. Attended 2 days workshop on “outcome based education”, conducted by Alliance University from 17.01.2019 to 18.01.2019.
8. Participated Seminar on AWS Initiate, Organized by AWS on 21.06.2019
9. Participated as a keynote speaker on “object oriented programming in software engineering” in National Conference - NCRTCS’19”, conducted by kamadhenu college of Arts and Science, Dharmapuri on 08.02.2019.
10. Attended Online Workshop on Intellectual Property Rights, organized by Pandit Deendayal Petroleum University (PDPU) and Intellectual Property Protection Organization (IPPO) on 10th & 11th April 2020.
11. Attended Online Faculty Development Program on Python, organized by Loyola College of Arts & Science in association with Spoken Tutorial, IIT Bombay funded by the National Mission on Education through ICT, MHRD, Govt. of India, Namakkal District, Tamilnadu, India from 27.04.2020 to 30.04.2020.
12. Attended Online Faculty Development Program on IPR Awareness, Organized by KeyWayResearch, Hyderabad on 13.05.2020
13. Attended Online Faculty Development Program on Demystifying Network Security, organized by SA Engg College, Chennai, the Department of Computer Science and Engineering from 26.05.2020 to 30.05.2020
14. Attended Online Workshop on CO-PO Attainment Computation and Outcomes Analysis, Organized by InPods Ed-Tech on 29.05.2020
15. participated in "Public Webinar: How To Use ProQuest During Lockdown Period" held on April 15, 2020.
16. Attended webinar on Developing Thinking Abilities Relevant for Engineering Education, Organized by Face Prep Help on 28.04.2020
17. webinar on Shape memory Alloys for Mechatronics and Robotics Applications, Organized by Mahendra Engineering College, Tamilnadu on 15.05.2020
18. Achieved a score of 75% and above in the Technical Quiz on Software Engineering, Organized by Department of IT, Mahendra Engineering College, Tamilnadu on 16.05.2020
19. webinar on Design Thinking, organised by Department of CSE, Adhiyaman College of Engineering, held on 18th May 2020.
20. Participated and secured 73% marks in Online Quiz Competition on "Test your knowledge on Plagiarism", Conducted by "Crescent Institute of Science and Technology" during 19th May 2020.

21. “E-Quiz on TechSkill in Computer Programming”,Organized by the Department of Computer Science and Applications of Adhiparasakthi College of Arts and Science (Autonomous), Kalavai, on 25-05-2020.
22. Participated National Webinar on “Data Analytics and its Evolving-Around us”, organized by Vinayaka Missions kirubananda variyar Engineering college on 31.12.2020.
23. Webinar on Online Education and Assessment,Organized by Centre for Education Growth and Research(CEGR) on 19th May, 2020.
24. Webinar on "The Economics of the Pandemic",Mc Graw Hill Education on 28th May, 2020.
25. Webinar on "Cloud Applications-Development and Maintenance",Conducted on 01.06.2020 by Department of CSE,SRM TRP Engg.Collge,Trichy.
26. Webinar on the topic "Deep Learning and its Algorithms",Organized by Department of IT,Adhiyaman College of Engineering,Hosur on 01.06.2020.
27. Webinar on "Current Challenges and Future Scope of Artificial Intelligence",organized by the Department of Electronics and Communication Engineering ,Meenakshi College of Engineering in association with AGIIT on 1st June 2020 Monday.
28. Attended E-QUIZ on “ARTIFICIAL INTELLIGENCE”,conducted by Department of Electronics and Communication Engineering in Association with Incubation Center of ECE , Mohamed Sathak Engineering College, Tamil Nadu,India between 01/06/2020 to 03/06/2020.
29. Successfully completed National level QUIZ on NACC awareness program,organized by IIC and IQAC Cell, Joginpally B.R Engineering College, Hyderabad - 75,on 02.06.2020
30. Successfully completed e-Quiz on PHP and MySql,organized by Department of CSE,Indur Institute of Engg and Tech.,Hyderabad on 02.06.2020
31. Webinar on "R from Data Science Perspective",Organized by Department of IT,Adhiyaman College of Engineering,Hosur on 03.06.2020.
32. Webinar on "Impact of AI during Pandemic Times",Organized by McGraw Hill Education On 4th June, 2020.
33. Attended online course on Introduction to Research Methodology and Report Writing with the score of 95%,Organized by Kuppam Engineering College,Department of Computer Science and Engineering on 30.05.2020
34. Participated National Webinar on “Scene Understanding using Deep Learning”,organized by Sri Sivasubramaniya Nadar College of Engineering, Department of CSE on 10.04.2021.

CONFERENCE / SEMINAR / WORKSHOP ATTENDED

1. Participated workshop on “cyber security and digital forensics” from 12.12.2019 to 14.12.2019 at New Harizon College of Engineering,Bengaluru.
2. Participated workshop on “Intellectual Property Rights” conducted by MDBWorks in Dayananda Sagar University on 23.11.2019.
3. Participated 2 days workshop on “outcome based education” conducted by Alliance University from 17.01.2019 to 18.01.2019.
4. Participated in the one week training program on “outcome based education” conducted by kuppam engineering college,kuppam from 11.12.2017 to 16.12.2017.
5. Attended workshop on Implementation of DSpace Software for managing e-Resources at Sona College of Technology,Salem on 28.03.2015.
6. Attended Five days Faculty Development Program on “Cloud Infrastructure and Services” at ICT Academy of Tamilnadu(ICTACT) held at Jayam College of Engg. and Technology from 22.12.2014 to 26.12.2014.
7. Attended Workshop on Aneka Tool at Anna University,Coimbatore on 28.11.2014.
8. Attended one day workshop on "Avoiding the Risks of Plagiarism in Research Publication" at Computer Society of India(CSI) ,Chennai on 03.05.2014.
9. Participated Two days national level seminar on cloud computing at Jayam College of Engg. and Technology on Feb’2014.
10. Workshop on “Ways and means to write Research paper” at AVS Engineering College,Salem on 07.12.2013.
11. Attended Awareness and Training for Faculty about “New Outcome Based Accreditation (OBA) processes of NBA” at Jayam College of Engg. and Technology from 23.08.2013 to 24.08.2013.
12. Attended Workshop on Doing Ph.D Research in International Perspective at Jayam College of Engg. and Technology on 02.08.2013.
13. Attended Workshop on SARs Preparation and Evaluation on Outcome Based Accreditation at Jayam College of Engg. and Technology from 08.11.2013 to 09.11.2013.
14. Participated Workshop on “Data Mining using Weka Tool” EASA College of Engineering and Technology on 23.02.2013.

15. Workshop on “Challenges in Research” at AVS Engineering College on 17.03.2013
16. Seminar on “Strategies in Enhancing Research” at Anna University of Technology, Coimbatore from 16.02.2012 to 17.02.2012.
17. Workshop on “Database Management Systems”, at Jayam college of engineering and technology, ICT Academy of Tamilnadu (ICTACT) from 27.02.2012 to 28.02.2012
18. Participated seminar on “Research Methodology” at Jayam College of Engg. & Technology, Dharmapuri on 19.03.2012.
19. Workshop on “XML and Web Services” at Dr. Mahalingam College of Engineering and Technology, Pollachi on 31.03.2012.
20. Workshop on “Data Mining Methods” at The Kavery Engineering College, Mecherion 18.10.2012.
21. Workshop on “Preparation on cloud and its anatomy, Architecture, optimization via real time study” at Jayam College of Engg. & Technology, Dharmapuri. From 25.03.2011 to 27.03.2011.
22. Attended Faculty Development Program on “Enterprise Computing” at Sona College of Technology, Salem from 18.04.2011 to 30.04.2011.
23. Attended workshop on Mobile Computing-Lab Perspective Jayam College of Engg. & Technology, Dharmapuri. On 04.07.2011.
24. Attended workshop on Software Engineering and Quality Assurance at Jayam College of Engg. & Technology, Dharmapuri from 06.12.2010 to 11.12.2010.
25. Attended Staff Development program on “SAP-Systems, Applications and Products”. from 5th to 18th May-2008.
26. Attended Faculty Development program on “Visual Programming”. Govt. college of Engineering, Salem-11 from 17th to 21st January-2006..

Online Certification Courses in Coursera Platform:

1. Completed Course on Programming for Everybody (Getting Started with Python)
2. Completed Course on Technical Writing
3. Completed Course on How to Write and Publish a Scientific Paper (Project-Centered Course)
4. Completed Course on Object Oriented Programming in Java

Online Certification Courses in Qedex Platform:

Completed the following courses:

1. Teaching Students with Learning Difficulties
2. Online Learning Assessment
3. Employability in the Curriculum
4. Teaching Online An Inclusive Learning Community Approach
5. Change Management

I declare that the particulars given above are true to the best of my knowledge and belief.

Yours Truly,

(**SENBAGAVALLIM**)

REFERENCE:

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Chennai. Contact number: 9788033000