**CV**

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| **Dr. R.Suganya**  Associate Professor Senior  School of Computer Science and Engineering  Vellore Institute of Technology  Chennai Campus -600127  Email: [suganya.ramamoorthy@vit.ac.in](mailto:suganya.ramamoorthy@vit.ac.in)  Ph: +91-9150245157 (m) | **D:\Rsuganya img1.jpg** |

**EDUCATION**

* ***Ph.D***., Information and Communication Engineering, *Anna University* (AU), Chennai in 2014. ***Thesis Title: Classification and Retrieval of Ultrasound Liver Images Using Machine Learning Techniques (Course work: 9.75 CGPA)***
* ***M.E.***, Computer Science and Engineering, *P.S.N.A College of Engineering and Technology*, Dindigul in 2005. ***First Class with Distinction. (1741/2200) – 79%***
* ***B.E.***, Computer Science and Engineering, *R.V.S.College of Engineering (RVS),*Dindigul in 2003.***First Class with Distinction(3731/4000)- 93%***
* ***H.S.C.C.*** Bio-Maths***-*** First Group, Annamalaiyar Mills Girls Higher Secondary School*,* Dindigul in 1999.***(1041/1200)- 87%***
* ***S.S.L.C.*** Annamalaiyar Mills Girls Higher Secondary School, Dindigul in 1997.***(458/500) – 92%***

**PROFESSIONAL EXPERIENCE – 17 Years**

* Nov 4, 2022 - Till date

**Associate Professor, Senior,** School of Computer Science and Engineering, VIT, Chennai

* Dec. 12, 2017 – Oct 30, 2022

**Associate Professor**, *Department of Information Technology, Thiagarajar College of Engineering,* Madurai, India

* *Feb. 2014* –Dec 11, 2017:

***Assistant Professor***, *Department of Information Technology, Thiagarajar College of Engineering,* Madurai, India

* *Jan. 2010* –Feb. 2014:

***Assistant Professor***, *Department of Computer Science and Engineering, Thiagarajar College of Engineering,* Madurai, India

* *July 2006- Dec 2009:*

***Lecturer,*** *Department of Computer Science and Engineering, Thiagarajar College of*

*Engineering,* Madurai, India

* *April 2005-June 2006:*

***Lecturer,*** *Department of Computer Science and Engineering, P.S.N.A. College of*

*Engineering and Technology, Dindigul, India.*

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| --- | --- |
| **SCOPUS** | [**https://www.scopus.com/authid/detail.uri?authorId=**56805014700](https://www.scopus.com/authid/detail.uri?authorId=56805014700)  [Suganya, R. - Author details - Scopus](https://www.scopus.com/authid/detail.uri?authorId=56805014700#tab=topics) |
| **Google Scholar** | [‪Suganya Ramamyoorthy 0000-0003-1874-6479‬ - ‪Google Scholar‬](https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F5zWyCmho1PS93jNfnpwX2yZf2TiTV9Yj4haRP9mFRVyB6ozARdx6lE_GI7NbYYSCFVmiORnkQLGMEC2r45xunuf-sFmw-PtL4ktC5qhq0sIuP720M&user=TvdDJ-kAAAAJ) |
|  | [‪Suganya Ramamyoorthy 0000-0003-1874-6479‬ - ‪Google Scholar‬](https://scholar.google.com/citations?user=TvdDJ-kAAAAJ&hl=en&oi=ao) |
| **DBLP** | [**https://dblp.uni-trier.de/pers/hd/r/Ramamoorthy:Suganya**](https://dblp.uni-trier.de/pers/hd/r/Ramamoorthy:Suganya) |
| **ACM Digital library** | [Suganya Ramamoorthy - Home (acm.org)](https://dl.acm.org/profile/99658712177) |
| **Amazon** | [**https://www.amazon.in/Big-Data-Medical-Image-Processing ebook/dp/B079JWDX49/ref=sr\_1\_1?ie=UTF8&qid=1526120845&sr=8-1&keywords=R.Suganya**](https://www.amazon.in/Big-Data-Medical-Image-Processing%20ebook/dp/B079JWDX49/ref=sr_1_1?ie=UTF8&qid=1526120845&sr=8-1&keywords=R.Suganya) |
| **ORCID** | [**http://orcid.org/0000-0003-1874-6479**](http://orcid.org/0000-0003-1874-6479) |
| **Linked in** | https://www.linkedin.com/in/suganya-ramamoorthy-19897344/ |
| **ResearcherID** | [**http://www.researcherid.com/rid/X-9718-2018**](http://www.researcherid.com/rid/X-9718-2018) |
| **ACM Profile page** | [R Suganya - Home (acm.org)](https://dl.acm.org/profile/99659267276) |
| **Publons** | [**https://publons.com/a/1648621**](https://publons.com/a/1648621) |
| **Research gate** | [**https://www.researchgate.net/profile/Suganya\_Ramamoorthy/publications**](https://www.researchgate.net/profile/Suganya_Ramamoorthy/publications) |
| **Project** | Industry Supported R&D project with Alfa TKG Integrated Solutions India Pvt. Ltd. |
| **H-Index** | 10 |
| **Book** | 2 |
| **Book Chapter** | 11 |
| **Funded Project** | Industry supported R&D project (alfa TKG, Japan, Cost: 10 Lakhs, 2019-2-2021  India-Srilankan Foundation, Univ of Jaffna, Srilanka 2024  SEED grant Rs 2 lakhs for “VITemp – Temperature Detector” – 2023 |
| **International Journal** | 35 (Scopus Indexed: 17) |
| **International/ National Conferences** | 41 |
| **IPR** | Patent Number : E-2/2270/2018-CHE |
| **1** | Title : Novel System and Design of an Optimistic Approach of Clustering Algorithm for Real Time Telecom system Published Feb 2, 2020 |
| **2** | Title : Automatic Saline MoFnitoring System  (App no: 201941022631, CBR No-18241, Docket No: 47764) Inventor: R.Suganya, Fiaz Mohamed Ali, Date filed: 7/6/19 |
| **3** | Novel System and Method of Locality Based Online Trading  Application Number: 202041057361 CBR No- 44501, Docket no: 113094  Filled date: 31/12/2020   1. Suganya, Sona Sivakumar P.Sabaripriya and S.Nagulan |
| **4** | Smart Delivery Box – Published and under review |
| **Design patent granted: 1** | Headgear for Stress control, Granted - Design Patent (360435-001) Inventors: R.Suganya, S.Vijayaragavan, V.S.Ananya and S.Rajaram. (12/5/2022) |
| **Design patent filed: 2** | The Revolutionary Sliding QR Triangle Tip Band for Waiters  The Clicking QR- Coin Tip Band for Waiter |

**BOOK/ BOOK CHAPTER**

**BOOKS**

1. R.Suganya, S.Rajaram, A.Sheik Abdullah, *“Big Data in Medical Image Processing”*, ***CRC Press, Taylor & Francis Group***, ISBN: 9781138557246 – CAT# K43320, Published on Jan 31, 2018.
2. R.Suganya, S.Rajaram, *“Classification of US liver images using Machine learning Techniques”*, ***LAMBERT Academic Publishing***, Germany, ISBN: 978-3-659-59651-3, Germany. 2014.

**BOOK CHAPTER**

1. C. Karpagavalli, R.Suganya, DDoS Attack Detection in IoT Environment Using Crystal Optimized Deep Neural Network, published in Springer- International Conference on Artificial Intelligence of Things ICAIoT 2023, pp 18-36, Dec 2023
2. R.Suganya, Seyed M Buhari, S. Rajaram, Different application and Digital Twin Technology published in Springer 2023, Print ISBN:9781119842200 |Online ISBN:9781119842316 |DOI:10.1002/9781119842316
3. Mohamed Mansoor Roomi S, R.Suganya, Role of IoT in Entrepreneurship" in Innovative Entrepreneurship, 2022
4. Suganya Ramamoorthy, S.Sujatha, Security Protocol for Cloud-Based Communication in book Design and Analysis of Security Protocol for Communication, Feb 2020, Wiley online library
5. R.Suganya, S.Rajaram, M.kameswari, A Literature Review on Thyroid Hormonal Problems in women using Data science and Analytics: Healthcare Applications," submitted to "Handbook of Research on Engineering, Business, and Healthcare Applications of Data Science and Analytics" publications under production.
6. A.Sheik Abdullah, S.Selvakumar, A.M.Abirami, R.Parkavi, R.Suganya, “Big Data Analytics in Healthcare Sector”, for the book Machine Learning Techniques for Improved Business Analyics, IGI Global, DOI: 10.4018/978-1-5225-3534-8.ch005.
7. A.Sheik Abdullah, S.Selvakumar, R.Parkavi, R.Suganya, M.Venkatesh, “An Introduction to Survival Analytics, Types and Its Applications”, Biomechanics, Intech Open Publishers, UK, DOI: http://dx.doi.org/10.5772/intechopen.80953, 2019.[10.5772/intechopen.80953](https://www.researchgate.net/deref/http%3A%2F%2Fdx.doi.org%2F10.5772%2Fintechopen.80953?_sg%5B0%5D=jK43MR5OxOjX2ZN64Ga3DtKGY8_4dm46JepaEFWss6rB-py5jx0AUuBjZdDsuTihF7w_IDsjvBg8RdJj-oubORpGXw.aeMQSD9M3S5YPLagbRIlQjUPDncrwfMCZ-PlSV9xdUOOTEtohdY4i5WBX_dS-wKY_hB6GyEBX3k43wSr8-VQjA)

[file:///C:/Users/Admin/Downloads/InTechOpen\_Chapter\_Performance\_Metrics.pdf](file:///C:\Users\Admin\Downloads\InTechOpen_Chapter_Performance_Metrics.pdf)

<https://www.intechopen.com/books/biomechanics/an-introduction-to-survival-analytics-types-and-its-applications>

1. R.Vinodhini, R.Suganya, S.Karthiga, G.Priyanka, “Literature Survey on DNA sequence by using Machine learning algorithms and Image registration technique”, in Advances in Data and Information Sciences, 2019, Springer Nature Singapore Pvt Ltd. Pp.55-63. Lecture Notes in Networks and Systems book series (*LNNS*, Volume 39). <https://link.springer.com/chapter/10.1007/978-981-13-0277-0_5>
2. R.Vinodhini, R.Suganya, “Identification of cyst present in ultrasound PCOS using Discrete wavelet transform” in International Conference on ISMAC in Computational vision and Bio-Engineering 2018, (ISMAC-CVB), Verlag: Springer International Publishing.
3. R.Suganya & S.Karthiga, *“Importance of Big Data and Hadoop in E-Servicing”*, E-Manufacturing and E-Service Strategies in Contemporary Organizations, *IGI GlobalPublishers.*March 14th 2018. DOI: 10.4018/978-1-5225-3628-4.ch002. A volume in the Advances in E-Business Research (AEBR) Book Series. (indexed in Scopus)<https://www.igi-global.com/book/manufacturing-service-strategies-contemporary-organizations/181218>
4. R.Suganya&S.Rajaram“*Applying Big Data Analytics in Bioinformatics and Medicine”,*Image Processing including Medical Liver Imaging: Medical Image Processing from Big data Perspective, Ultrasound liver images, Challenges.(011216-120742) *IGI Global Publishers*, 2017.
5. A.Sheik Abdullah, R.Suganya, Selvakumar, S.Rajaram*“Hand book of Research on Advanced Data Mining Techniques and Applications for Business Intelligence”* Chapter 3: Data Classification: Its Techniques and Big Data ***IGI Global Publisers.***2016.

**RESEARCH PUBLICATIONS (PEER-REVIEWED JOURNALS)**

1. R.Suganya, Girish H. Subramanian, Mr. Sabari Nathan, Prof. Mansoor Roomi S, Mr. Amuthalingeswaran C, “Real-time Military Target Detection and Recognition in Complex Environments with Mask R-CNN" accepted in ***International Journal of Business Information Systems***,(Under production) Submission code: IJBIS-165926
2. Participated and published in 8th Sclera Segmentation and Joint Recognition Benchmarking Competition: SSRBC 2023, Sabarinathan D, Ram Priya RS and R.Suganya, IEEE 2023 International Joint Conference on Biometrics : Submission (233) CameraReady-233.pdf (uni-lj.si) [CameraReady-233.pdf (uni-lj.si)](https://lmi.fe.uni-lj.si/wp-content/uploads/2023/09/CameraReady-233.pdf)
3. S.Koteeswaran, R.Suganya, Chellammal Surianarayanan, E.A, Neeba, A.Suresh, Pethuru Raj Chelliah, Seyed M Buhari, A Supervised Learning approach for the influence of comorbidities in the analysis of COVID -19 mortality in Tamil Nadu” published in Soft Computing, https: //doi.org/10.1007/s00500-023-08590-2. June 2023.
4. Vijayaralakshmi Ramasamy, Suganya Ramamoorthy, Sustainable Data-Centric Project Curriculum for Industry-Ready Worskforce” published in Journal of Engineering Education Transforamtions, vol 36, Special issue: 2, pp-99-105, 2023. **DOI**: [10.16920/jeet/2023/v36is2/23014](https://dx.doi.org/10.16920/jeet/2023/v36is2/23014)
5. R.Suganya, Vijiayalakshmi Ramasamy, Sumesh K, Parkavi R High impact practices and collaborative teaching to enhance learning and engagement in Engineering Design Project Course in Engineering Education Curriculum, published in ***Journal of Engineering Education Transformation***, Vol 35, Pp 181-186, 2022, special issue eISSN- 2394-1707.(Scopus Indexed). [10.16920/jeet/2022/v35is1/22026](https://dx.doi.org/10.16920/jeet/2022/v35is1/22026)
6. R.Suganya, Seyed M.Buhari, S.Rajaram, Students performance through online and offline in core IT courses : a comparison, published in ***Journal of Engineering Education Transformation***, Vol 35, Pp 181-186, 2022, special issue eISSN- 2394-1707.(Scopus Indexed).
7. Rampriya RS, R.Suganya, “A Comparative Assessment of Deep Neural Network Models for Detecting Obstacles in the Real Time Aerial Railway Track Images” in Journal of Applied Artificial Intelligence, Taylor & Francis. (Annexure –I) 2022 <https://doi.org/10.1080/08839514.2021.2018184>
8. K. Priya, S. Mohamed Mansoor Roomi, P. Uma Maheswari, R. Suganya, "DWT Based QR Steganography", Journal of Physics: Conference Series, IOP Science Publishing, June 2021. [Detecting Subacute Thyroiditis after COVID-19 infection using Deep Learning Techniques – A Case Study - IOPscience](https://iopscience.iop.org/article/10.1088/1742-6596/1917/1/012023)
9. R.Suganya, Seyed M.Buhari, S.Rajaram, Effective Mechanism of Graduate Attribute Distribution in Engineering Education Curriculum, published in ***Journal of Engineering Education Transformation***, Vol 34, Jan 2021, special issue eISSN- 2394-1707.(Scopus Indexed). [10.16920/jeet/2021/v34i0/157193](https://dx.doi.org/10.16920/jeet/2021/v34i0/157193)
10. Ramanujam E, R.Suganya, Effect of COVID-19 Quarantine period on a married woman with special reference to TIER - II selected city in India(130520-052151) in ***International Journal of Socio technology and Knowledge Development, IJSKD*** vol 13, issue 1, article 10 (Scopus Indexed) published date: March 2021
11. Rampriya, R.S., Sabarinathan, Suganya, R. RSNet: Rail semantic segmentation network for extracting aerial railroad images, ***Journal of Intelligent and Fuzzy Systems***, vol. 41, issue 2, pp.4051- 4068, doi:10.3233/JIFS-210349, 2021 (Scopus Indexed), Web of science.
12. R.S.Rampriya,R.Suganya, Segmentation of 3D Point Cloud Data based on Supervoxel Technique, Elsevier, ***Procedia Computer Science***, Vol 171, pp. 427-435, 2020.

<https://doi.org/10.1016/j.procs.2020.04.045> (Impact factor: 0.883) Scopus Indexed.

1. C.Karpagavalli, R.Suganya, P.J.Beslin Pajila, “Authentication using Block chain novel enhanced Authentication algorithm” in ***International journal of Advanced Science and Technology*** ISSN: 2005- 4238 IJAST,pp: 11930- 11940, Vol. 29. No. 7 (2020) (Scopus Indexed) Impact factor:0.41
2. S. Selvakumar, A.Sheik Abdullah, R.Suganya**,** *“Decision support systems for Type II diabetes and its risk factor prediction using bee-based harmony search and decision tree algorithm”*, in ***International Journal of Biomedical Engineering and Technology****, Inderscience, (Scopus Indexed, Impact Factor: 1.0) vol. 29, No.1, pp. 46- 67, 2019.DOI*:  ISSN: 1752-6426.
3. Yogapriya J, R.Suganya,*“Steganography techniques for ECG Signals : A Survey ”* presented in 11th International Conference on ***Industrial & Information Systems*** *(ICIIS 16)* ***organized by RailTel –IITR Centre of Excellence in Telecom*** (RICET)**, *Indian Institute of Technology, Roorkee***, Uttrarkhand, during 3rd – 4th Dec 2016. Published in IEEE Xplore 18th Jan 2018. (***Scopus Indexed)***<http://ieeexplore.ieee.org/document/8262949/>
4. R.Suganya**,** S.Rajaram, *“An Efficient Categorization of Liver Cirrhosis using Convolution Neural Networks for Health Informatics”* ***Cluster Computing – Springer***. Special issue: Cloud Computing and Health informatics. (*Scopus Indexed*, Impact Factor: 2.040) <https://link.springer.com/article/10.1007/s10586-017-1629-2>Vol.22, No.3,2017, ISSN: 1386-7857
5. R.Suganya, S.Rajaram, A.Sheik Abdullah &V.Rajendran, 2017**,** *“Prediction of Heart Diseases using Hybrid Feature Selection and Modified Laplacian Pyramid Nonlinear Diffusion with Soft Computing Methods”*, *in* ***International Journal of Biomedical Engineering and Technology***, ***Inderscience***. Vol.25, No.1, pp.30-43. (***Scopus Indexed***, Impact Factor: 1.0) <http://www.inderscience.com/info/inarticle.php?artid=86550> ISSN: 1752-6426
6. R.Suganya, S.Rajaram, A.Sheik Abdullah & V.Rajendran, 2016, *“A Novel Feature Selection method for Predicting Heart Diseases with Data mining Techniques”*, in ***Asian Journal of Information Technology*** (AJIT) Updated Annexure list, volume:15, Issue:8, pp.no: 1314- 1321, 2016. DOI: 10.3923/ajit.2016.1314.1321.<http://docsdrive.com/pdfs/medwelljournals/ajit/2016/1314-1321.pdf> . ISSN: 1682-3915
7. R.Suganya, J.YogaPriya, 2016 *“Survey on Performance testing, monitoring and analysis of Big data applications”* in ***Journal of Business & System*** Vol.6, No.1, ISSN: 2319-2909.
8. R.Suganya, S.Rajaram, S.Vishalini, R.Meena, & T.Senthil Kumar, 2016 *“Dental Image Retrieval using Fused local binary pattern & Scale invariant feature transform”* in ***SpringerLink –*** Advances in Signal processing and Intelligent Recognition Systems, ***Advances in Intelligent Systems and Computing 425***, pp 215-224. (Scopus Indexed, Impact Factor: 0.32). <https://link.springer.com/chapter/10.1007/978-3-319-28658-7_18#citeas>
9. R.Suganya, Kirubakaran & S.Rajaram 2014, *“Classification and Retrieval of focal and diffuse liver from ultrasound images using machine learning techniques”*, in ***SpringerLink –*** Advances in Signal processing and Intelligent Recognition Systems*,* ***Advances in Intelligent Systems and Computing book series*** *(AISC, volume 264),* pp.253-261. (***Scopus Indexed***, Impact Factor: 0.32).<https://link.springer.com/chapter/10.1007/978-3-319-04960-1_23>
10. R.Suganya,S.Rajaram&G.Deepika 2014, *“An efficient method for speckle reduction in ultrasound liver images for e-Health applications”*, in **SpringerLink –** International Conference on Distributed Computing and Internet Technology: ***Distributed Computing and Internet Technology, LNCS book series (LNCS, volume 8337)***pp 311-321. (Cited in ***Web of Science***).
11. R.Suganya, Kirubakaran & S.Rajaram 2014, *“Texture feature extraction using MGRLBP method for medical image classification”*, in ***SpringerLink –*** Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, ISSN:978-81-322-2126-5) ***Advances in Intelligent Systems and Computing book series (AISC, volume 324)*** pp.747-753***.*** (***Scopus Indexed***, Impact Factor: 0.32) (Cited in ***Web of Science***). <https://link.springer.com/chapter/10.1007/978-81-322-2126-5_80>
12. R.Suganya, S.Rajaram, 2014, *“Identification of Liver diseases from Pathological liver images using CBIR with Fuzzy logic”* **WULFlENIA** Journal, Vol. 20, No. 3, pp: 2 -16, (***Scopus Indexed,*** Impact factor: 0.63).
13. R.Suganya, Kirubakaran & S.Rajaram 2013, *“Registration of ultrasound liver images using mutual information technique”*, in **SpringerLink** – Computational Intelligence, Cyber Security and Computational Models, Advances in Intelligent on Soft Computing, ***Advances in Intelligent Systems and Computing book series, (AISC, volume 246)*** pp.147-153 (***Scopus Indexed***, Impact Factor: 0.32)**.**[**https://link.springer.com/chapter/10.1007/978-81-322-1680-3\_17**](https://link.springer.com/chapter/10.1007/978-81-322-1680-3_17)
14. R.Suganya, P.Shalini & S.Rajaram 2013, *“Comparative analysis of speckle noise reducing algorithms with various novelties”*, in ***International Journal of Computer Applications*** (ISSN: 0975-8887, Impact factor: 0.821), vol.4, pp.19-22. (***Scopus Indexed***, Impact Factor: 0.20)<https://research.ijcaonline.org/aicwic/number4/aicwic1326.pdf>
15. R.Suganya, S.Rajaram & H.HameedSulthan 2012, *“Comparison and retrieval of liver diseases based on the performance of SVM and SOM”*, ***Research Journal of Applied Sciences, Engineering and Technology***, (ISSN: 2040 -7467), (Impact factor: 0.22), vol.4, no.24, pp.5539-5543.
16. R.Suganya & S**.**Rajaram 2012, “*Content based image retrieval of ultrasound liver diseases based on hybrid approach”*, ***American Journal of Applied Science***, vol.9, no.6, pp.938-945. (ISSN: 1546 – 9239, Impact factor 0.675).<https://thescipub.com/abstract/10.3844/ajassp.2012.938.945>
17. R.Suganya & S.Rajaram 2011, *“Mutual information and genetic algorithm based registration of MRI brain images”*, ***Canadian Journal on Biomedical Engineering and Technology***, (ISSN: 1923-1644), vol.2, no.2, pp.14-17. <https://www.researchgate.net/publication/265190311_MUTUAL_INFORMATION_AND_GENETIC_ALGORITHM_BASED_REGISTRATION_OF_MRI_BRAIN_IMAGES>
18. R.Suganya, S.Rajaram & K.Priyadharsini 2010, *“Intensity based image registration by maximization of mutual information”*, in***International Journal of Computer Applications*** (ISSN: 0975-8887, Impact factor: 0.821) vol.1, no.20, pp.1-7. (***Scopus Indexed***, Impact Factor: 0.20).<https://www.ijcaonline.org/archives/volume1/number20/432-637>
19. R.Suganya, S.Rajaram & P.Anandha Kumar 2009, *“Medical image retrieval based on active learning and ranking techniques”*, ***International Journal of Information Processing*** (ISSN: 0973-8215), vol.3, no.4, pp.25-32.

**Challenges organized**

* 1. Our challenge proposal on Detection of Pond Fish”DePondFi “ was accepted by the 8th National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics at IIT Jodhpur**. (NCVPRIPG, 2023)** [DePondFi '23 (google.com)](https://sites.google.com/view/depondfi23/home?pli=1)
  2. [Depondfi\_IEEE Journal Template - Online LaTeX Editor Overleaf](https://www.overleaf.com/project/658515b65100dfca43a7c867)

**International Events (Participation and Attended)**

1. Participated in 8th Sclera Segmentation and Joint Recognition Benchmarking Competition: SSRBC 2023, Sabarinathan D, Ram Priya RS and R.Suganya, IEEE 2023 International Joint Conference on Biometrics : Submission (233)
2. Sabarinathan D and R.Suganya Presented competition paper in MediaEval 2020 titled Efficient supervision Net: Polyp segmentation using Efficient net and Attention unit in Multimedia Benchmark Workshop
3. Sabarinathan D and R.Suganya, “Multilevel Attention based one to one Image Relighting, 2020, AIM 2020 Advances in Image Manipulation Workshop and Challenges on Image and Video Manipulation in conjunction with ECCV 2020. Relighting: Track 1 Any to one relighting won in competition and published in arXiv.org, <https://arxiv.org/abs/2009.12798>
4. Won in “AB Sclera Net “ as 9th rank in 7th Sclera Segmentation Benchmarking Competition 2020- Sabarinathan D and R.Suganya, EyeNet Attention based Sclera net, 2020 SSBC 2020 in conjunction with IJCB 2020.<https://ieeexplore.ieee.org/abstract/document/9304881>
5. Participated in ACM Conference on Equity and Access in Algorithms, Mechanisms and Optimization (EAAMO-2021) from Oct 4th to Oct 9th, 2021.

**NATIONAL / INTERNATIONAL CONFERENCES**

1. Akilesh, Tulasi, Suganya.R, Girish H.Subramanian, Vignesh Srinivasakumar, “Medical Diagnosis through conversational intelligence using Large Language Models” paper accepted in the fifth International Conference and Network Communications, Dec 18-20, 2023 PES University, Bengaluru, India
2. Prathiba Lakshmi Narayan, Siddharth Shankar Das, Gopi, Kritika, Suganya R, Monitoring Resources and Snapshots on VMware Infrastructure, Paper selected in IACIDS 2023, chirst University, Pune Nov 23-25, 2023 (SCOPUS, WOS, BBLP- Indexed)
3. Roomi SM, Priya, Uma Maheshwari, Suvetha S, R.Suganya, Radon feature based Knee Osteoarthritis Severity Assessment in IEEE International Conference on Signal processing, Computation, Electronics, Power and Telecommunication (IConSCEPT) 2023, National Institute of Technology, Puducherry.
4. Suganya R, Buhari, S, Akilesh, Arunadevi, “AI based Attendance Automation System to analyze the behaviour of students’ cognitive levels during covid-19 pandemic situation” in 3rd International conference on Intelligent Systems, Cognitive Science and Knowledge Engineering, at Dr.Babasaheb Ambedkar Marathwada University, Aurangabad, Maharastra. ICKE2023, May 8 &9, 2023. Will be published in Journal of Advanced Applied Scientific Research (JOAASR) Web of Science Listed Journal as well as Conference Proceedings.
5. Suganya. R, Sabari Priya K.P, Hemadharshini J, Sona S, and Seyed M Buhari, "Computational Drug Discovery using Minimal Inhibitory Concentration analysis with Bacterial DNA Snippets, presented in 3rd Congress on Intelligent Systems, CIS 2022 sponsored by SCRS, Sep 5,6, 2022
6. Sabarinathan D, R.Suganya,R.S. Rampriya, Efficient Supervision Net: Polyp Segmentation Using EfficientNet and Attention Unit, in International conference on Machine vision and Augmented Intelligence, March 4-7, 2022 at NIT Jamshedpur, India
7. Sugirtha R, Jahani, Gowsalya, R.Suganya, Currency recognition for visually impaired people in International conference on Artificial Intelligence: Theory and Applications, 23, 24 Dec 2021, NIT Patna
8. Aruna devi, Abarna, Arun, R,Suganya, Indian Festival Classifier using Supervised machine learning algorithm, 8th ICBAI 2021, IISc Bangalore
9. Ranjith, Anandhapriya, R.Suganya, Dharshika MK, Suganthi, P.Karpaganandhini , P.Murugesan, A Supervised learning approach for the influence of comorbidities in the analysis of COVID-19 mortality in Tamilnadu, 8th ICBAI 2021, IISc Bangalore.
10. Rampriya R, R.Suganya, “Railroad Segmentation using Modified UNET”, in the 4th International Conference on Computational Intelligence & Data Engineering (ICCIDE-2021) in Springer held at **VIT-AP** University during 13th and 14th Aug 2021.
11. L.Logeshvar, A.B.Premnath, R.Geethan, R.Suganya,” AI based Examination Assessment Mark Management System” in Second International Conference on Secure Cyber Computing and Communications, (ICSCCC-2021) held at **NIT, Jalandhar**, Punjub during May 21st – 23, 2021. (published in IEEE Explorer)
12. R.Suganya, R. Aruna devi, Seyed M. Buhari,, Forecasting spread of COVID-19 using Regression Algorithm 10th International Conference on Soft Computing for Problem Solving, SocProS 2020, **IIT Indore** and Soft Computing Research Society, Dec 18-20, 2020. (will be published in Scopus indexed Springer journal)
13. R.Suganya, S.M.Roomi, B. Prem kumar, T.Senthilkumar, Enhancing Intricate details of ultrasound PCOD scan images using Tailored Anisotropic Diffusion Filter (TADF) in 3rd International Conference on Big Data and Cloud Computing (ICBDCC) at **Karunya Institute** of Technology & Sciences, Coimbatore, 6th and 7th Dec 2019, Published in Intelligence in Big Data Technologies- Beyond the Hype, Advances in Intelligent Systems and Computing 1167, <https://doi.org/10.1007/978-981-15-5285-4_4>
14. R.Suganya, S.Nandhini, S.Nandhana, R.Varsha, Deiva kumara, T.Senthil kumar, Automatic detection of leaf disease using CNN algorithm in fourth International conference on ICT for Intelligent systems (**ICTIS 2020**) april 24, 25, 2020. Ahmedabad. (proceedings by Springer)- Scopus publications. ISSN number: 2190-3018, series: <https://www.springer.com/series/8767>.
15. R.Suganya, P.Murugesan, C.Agasthiya, C.Ignatius, S.Aswin, C.Amuthalingeswaran, “Rainfall Forecasting for raising the yield production using Machine Learning Algorithms, in iCASIC, 2020, **VIT Vellore**, Feb 27th and 28th ,2020.
16. R.Suganya, M.Kameswari, Impact and Importance of MCQ in TLP of Functions in Discrete Maathematics through ICT Tools in 5th International Conference on Transformations in Engineering Education **ICTIEE, IUCEE**, held at Hyderabad, Jan 6th to 8th 2020.
17. Attended 7th National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics, at KLE Technological University, Hubali, Dec 22- 24, 2019
18. R.Suganya, Murugesan.S, Kameswari.M, Classification of PCOD based on Deep Features extracted from ultrasound images using RCNN in 7th International Conference on Business Analytics **BAICONF 2019,** IIM Bangalore, Dec 5-7, 2019.
19. R.S.Rampriya, R.Suganya, Segmentation of 3D point Cloud Data based on Supervoxel Technique, in Third International Conference and Network Communication (CoC0Net’ 19) published in **Elsevier, Procedia** 2020, 1877-0509 held at IIIT, Kottayam, Dec 2019
20. R.Suganya, A Novel Recommender System for Content based PCOD Image Retrieval using Deep Learning Algorithms in 5th International conference on Emerging Trends in Multidisciplinary Research (**ICETMR-2019**)” held on 20-22, April 2019 at ***National University of Singapore*, Singapore**.
21. R.Suganya, M.Kameswari, “Transformation of cognitive level in interfacing automata theory and Grammar with Compiler design and its applications through collaborative teaching and learning, presented in **IUCEE on ICTIEE 2019** at ***Chitkara University***, Punjab, Jan 10-11, 2019.
22. R.Suganya, R.Vinodhini, S.Rajaram, “Monitoring the growth of polycystic ovary sysndrome using Mono-modal image registration technique” published in 6th ACM India Joint International conference on Data Science and Management of Data (**ACM IKDD CoDS** and 24th COMAD 19), at Swissotel, Kolkatta, on Jan 3-5, 2019. ACM Digital Library ISBN: 978-1-4503-6207-8. pp.no: 180-187, DOI: 10.1145/3297001.3297024.
23. P.Deepa, R.Suganya, S.Rajaram, “An efficient classification and retrieval system for polycytic ovary syndrome using convolution neural networks, in International Conference on Business Analytics and Intelligence (**ICBAI- 2018**), Indian Institute of Science, IISc, Bangalore during 20th – 22nd Dec 2018. I.K. International Publishing House Pvt. Ltd. New Delhi, ISBN 978-93-86768-21-6, 2019.
24. Venkatesh S, Faiz Mohammed Ali, Mohamed Shakir, R.Suganya, “Analysis and Prediction of the vegetable price using the data mining clustering and classification techniques, in International Conference on Business Analytics and Intelligence (**ICBAI- 2018**), Indian Institute of Science, IISc, Bangalore during 20th – 22nd Dec 2018. I.K. International Publishing House Pvt.Ltd. New Delhi, ISBN 978-93-86768-21-6, 2019.
25. R.Vinodhini, R.Suganya, “Identification of cyst present in ultrasound PCOS using Discrete wavelet transform” in International Conference on ISMAC in Computational vision and Bio-Engineering 2018, (**ISMAC-CVB**), SCAD Institute of Technology, Coimbatore during 16-17 May 2018. Springer LNCS in Computational Vision and Biomechanics 30, <http://doi.org/10.1007/978-3-030-00665-5_32>, pp.no: 309-318.
26. S.Rajaram, R.Suganya, *“Embedded Visual Cryptography Scheme by using gray threshold with morphological operation for Secure Transmission of Bank cheque”* has been selected in IEEE International Conference on Circuits and Sysems **(ICCS**), organized by IEEE India Council & IEEE Circuits and Systems Society India Chapter, Dec 20th& 21st, 2017. Published in ***IEEE Xplore***:<https://ieeexplore.ieee.org/abstract/document/8326041/>, 29th March 2018. ***DOI:***[*10.1109/ICCS1.2017.8326041*](https://doi.org/10.1109/ICCS1.2017.8326041)
27. D.K.Sri Subarnaa, E.Sharon Blessie, P.Deepa, R.Suganya, “Importance of Information Technology Audit for Sustainable Business Practices” in “PSNA and Dindigul Management Association Sponsored National Conference on Sustainable Business Practices (**BEAT 2018**) held on April 20, 2018.
28. T.Gokulrajan, R.Suganya, *“Facial Composite using DNA Decoding”*, in Fifth International Conference on Business Analytics and Intelligence (BAICONF 2017) at **IIM Bangalore** 11-13th Dec 2017.
29. R.Suganya, Rajaram S, Sheik Abdullah. A, Fiaz Mohammed Ali *“Analysis of Monogenic Human Activity Recognition data using Data mining algorithms”* in Fifth International Conference on Business Analytics and Intelligence (BAICONF 2017) at **IIM Bangalore** 11-13th Dec 2017
30. R.Vinodhini, R.Suganya, S.Karthiga, G.Priyanka 2017*“Literature Survey on DNA Sequence analysis by using Machine Learning algorithms and Image Registration Techniques”* presented in International Conference on Data and Information Sciences (ICDIS), Nov 17-18, 2017 at ***Indira Gandhi National Tribal University***, Amarkantak, Madhya Pradesh, Plan to publish in ***Springer Book series***.
31. S.Karthiga, R.Suganya, G.Priyanka*“A Survey on Neural Network Algorithms for designing efficient predictive models”*, in International Conference on Current Trends in Computer, Electrical, Electronics and Communication (ICCTCEEC’17), ***IEEE Bangalore Section by Vidyawardhaka College of Engineering, Mysuru, Karnataka***, during 8-9th Sep, 2017.<https://www.researchgate.net/publication/327490367_A_Survey_on_Neural_Network_Algorithms_for_Designing_Efficient_Predictive_Models>
32. R.Suganya,Aishwarya R, Azma A, MangalaIshwarya A, *“A Survey on Comparison of Traditional Data Mining Algorithms for the Application of Big Data”* in “National Conference on ***Big Data Analytics and Mobile Technologies*** (NCBM’17) March 24th – 25th 2017.
33. R.Suganya,Aishwarya R, Azma J and MangalaIshwarya A *“Predictive Data Analytics on energy consumption of Datacenters”* in International Conference on IoT, Data Science and Security (**ICIDS-2017**) ***PSG College of Technology***, Coimbatore, during 5th- 7th Jan 2017
34. R.Suganya, Rajaram S, Sheik Abdullah A and Dr.V.Rajendran, *“Classification of Cardiac diseases using Hybrid Support Vector Machine”* in International Conference on Business Analytics and Intelligence (***ICBAI- 2016***), Indian Institute of Science, ***IISc, Bangalore*** during 19th – 21st Dec 2016.
35. R.Suganya,Angaleeswari K, Sheik Abdullah A, Rajaram S, Senthil kumar T, *“Application of Big Data in Intelligent Transportation System by using Modified Kruskal’s Algorithm”*, in International Conference on Business Analytics and Intelligence(**ICBAI- 2016**), Indian Institute of Science**, *IISc, Bangalore*** during 19th – 21st Dec 2016.
36. R.Suganya, Rajaram S, Kesavarajkumar J, Senthil Kumar T, *“Role of Teacher in Outcome Based Education : Facts and Trends”* presented in Fourth ***IEEE*** International Conference on MOOCs, Innovation and Technology in Education –**MITE 2016**, ***Thiagarajar College of Engineering***, Madurai during 9-10, Dec, 2016.
37. A.Krishnapriya, R.Suganya, V.Karthika, “Intelligent transportation system for safety by using wireless sensor network”, in the TEQIP II sponsored International Conference on Electrical, Electronics and Communication (**ICEEC’16**) during 31st March & 1st April, 2016.
38. R.Suganya, Rajaram, S, Vishalini, S, Meena, R, &Sornalath, P, 2015, *“Selection of Speckle Reduction filter for Medical Image Retrieval”* in CSI Sponsored National Conference on Innovations in IT, Management & Education –Digital India Initiative **IIMEDII-2015, *Maharaja Surajmal Institute*, New Delhi**.
39. R.Suganya, Rajaram,S &Kirubakaran. R, 2014, *“Dictionary based learning approach for liver image classification”*, in International Conference on ***Intelligent Information Technologies*** (ICIIT’ 2014), at ***CEG, Anna University***, Chennai.
40. R.Suganya & Rajaram, S 2013, *“Feature extraction and classification of ultrasound liver images using Haralick texture-primitive features: Application of SVM classifier”,* in Third International Conference on ***Recent Trends in Information Technology*** (ICRTIT 2013) at ***MIT, Chennai***. (Cited in Web of Science)
41. R.Suganya & Rajaram, S 2012, *“Classification of liver diseases from ultrasound images using a hybrid Kohonen SOM and LPND speckle reduction method”*, in IEEE International Conference on ***Signal Processing, Computing and Control*** (ISPCC 2012) at ***JUIT*, Shimla**. (***IEEE XPLORE***).<https://ieeexplore.ieee.org/document/6224368>
42. R.Suganya & Ramya Devi T 2009, *“MCM based Relevance Feedback scheme for Image retrieval”*, in IEEE International Conference on Advance Computing and Control **(IACC-2009) at Patiala**, Delhi. (***IEEE XPLORE***).
43. R.Suganya & Devapriya, C 2007, *“Image Retrieval using soft label SVM based on Relevance Feedback”*, in National Conference on Image Processing and Machine Vision **(NCIPMV’2007**) at PSNACET, Dindigul.
44. R.Suganya & T.Senthil kumar, 2007, *“Data Integration by Extracting patterns from join queries”*, in International Conference on Soft Computing Techniques in Engineering (**ICSCTE-2007**) at ***Amrita***, Coimbatore.
45. R.Suganya, Murugavalli, 2005, *“High Confidence Visual Recognition of Person’s by a test of Statistical Independence”* in 2nd National Conference on Advanced Image Processing and *Networking (NACIPAN ’05) at National Engineering College, Kovilpatti*

**KEY NOTE ADDRESSES –NATIONAL / INTERNATIONAL CONFERENCES**

1. Delivered a key note on “***Big Data in Medical Image Processing*** “in 5th International conference on Emerging Trends in Multidisciplinary Research (ICETMR-2019)” held on 20-22, April 2019 at **National University of Singapore (NUS), Singapore**.
2. Delivered a key note talk on “ ***Big Data in Medical Imaging: Research issues and Challenges***” and session chair for the International Conference on Innovations in Engineering, Technology and Science (**ICIETS 2018**) to be held on 13th and 14th March 2018 at K.Ramakrishnan College of Engineering, Samayapuram, Trichy.
3. Delivered a ***key note talk*** on “***Research perspective of Medical Imaging***” in National Conference on Power, Control, Communication and Computing (NPCCC’17) organized by College of Engineering Adoor, during Feb 3rd, 2017

**TECHNICAL TALKS**

1. Delivered a tech talk on Transformer- a power neural network at IIITDM, Kanchipuram, 9th Nov 2023.
2. Delivered tech talk in “AI based Automated Product Tags” at VIT Chennai on Oct 9, 2023 in Hands-on workshop on Breaking Boundaries: Machine Learning Empowering Multidisciplinary Research organized by Centre for Advanced Data Science.
3. Delivered tech talk in World Innovation day on “Innovation and the Future of Engineering” at VIT, Chennai, April 21, 2023
4. Delivered tech talk in International Women’s Day 2023 on AI and ChatGPT- Panel discussion at VIT, Chennai, 6th March 2023
5. Delivered tech talk in Tamilnadu Science forum on “ AI in Education to Employment opportunities” on Sep 17th, 2021
6. Delivered tech talk in 2 week AICTE (AQIS) sponsored FDP on”H2O Based Artificial Intelligence in Data-Driven Analytics- Smart Application” on Feb 9, 2021 at M.Kumarasamy College of Engineering, Karur.
7. Delivered Live Webinar on “Big Data and Hadoop” at Mount Zion College of Engineering and Technology, July 14, 2020
8. Delivered Live Webinar on “Research Issues in Medical Image Processing” at St.Mother Theresa Engineering College, June 25, 2020.
9. Invited talk on “Big Data in Medical Image Processing, in One day National Seminar on March 04, 2020 at SSA College of Arts and Science, A.Thekkum, Tirupathur, affiliated to Alagappa University.
10. Lecture delivered on Cloud and Big Data, Hadoop at AU, Trichy, 30.9.2019
11. Lecture delivered on Application of Deep learning in Medical Image Procesing, CSIR sponsored program at Kongu Engineering College on Sep 20, 2019.
12. Delivered certification programme on Python for basics to School students at TCE, Dec
13. Delivered lecture in certification programme on Python for data science at TCE, Madurai
14. Lecture delivered on Edge Analytics- An Epitome of Data Science for Decision Making at V.V.Vanniaperumal College for Women, Virudhunagar, July 31, 2019
15. Invited a tech talk on “***Edge Data Analytics***” in CSIR Sponsored 3 days national seminar on “A Deep Dive into Edge Computing Architecture and Future of Data Analytics” May 29th to 31st 2019at K.L.N. College of Engineering, Madurai.
16. Delivered a guest lecture on “***Imaging Science and its Applications to Real World Problems***” in AICTE sponsored One week Short term course on Research issues and challenges on Data science and Big Data Analytics held during March 18th to 24th 2019.
17. Invited a tech talk on “***Deep learning applications in Medical Imaging***” (14th Nov 2018) in Indian Council of Medical Research (ICMR) sponsored seven day National Workshop organized by Department of CSE, KLN College of Information Technology, Madurai during 13th to 19st July 2018
18. Invited a guest lecture on”***Agile Software Engineering***” held at M.Kumaramy College of Engineering, Aug 25, 2018.
19. Invited a guest lecture on “***Real time Applications of Theory of Computations***” held at K.Ramakrishna College of Engineering, July 28th, 2018.
20. Invited a tech talk on “***Social Engineering***” in Soroptimist International, Madurai chapter, at JC Residency, on July21st 2018.
21. Invited a tech talk on “***Identification of Liver Diseases from Pathological liver images***” in two days National seminar on “Medical Imaging Informatics” organized by Department of CSE, KLN College of Engineering and Indian Council of Medical Research” during 20th and 21st Nov 2017.
22. Delivered a guest lecture on “***Internet of Things***” by M.Sc. Information Technology, Fatima College, Madurai on Aug 22nd, 2017.
23. Delivered a ***tech talk*** on “***Conceptual Overview of Smart city***” in the One day Seminar on “Internet of Things for Smart Cities” by Institution of Engineers (India) & Department of Computer Engineering Division Board, Sona College of technology held on July 14, 2017.
24. Delivered a key note talk on “***Applications of image processing in health Informatics to prevent Epidemic Diseases & Impact of Social media on to prevent epidemic diseases***” (15/7/17) in Indian Council of Medical Research, New Delhi sponsored National Workshop on “Application of i-SMAC Technologies & Tools for Public Health Surveillance to prevent Epidemic Disease” by Department of CSE, PSNA College of Engineering & Technology, Dindigul during July 14& 15..
25. Guest lecture on “***Computer Networks***” at M.Kumarasamy College of Engineering, Karur during July 8, 2017
26. Delivered a tech talk on “***Web Services***” in Anna University Sponsored Faculty Development Programme on "CS6501 Internet Programming", during May 28, 2017.
27. Delivered a key note talk on “***Fundamentals of Internet of Things & Architecture of IoT***” in IEEE Madras Section Faculty Development Program on Internet of Things: Communication Technologies during April 27th – 28th , 2017 organized by IEEE Madras section & IEEE SB chapter by Department of ECE, PSNA College of Engineering & Technology, Dindigul.
28. Delivered a key note talk on “***Big Data and Hadoop”*** in DST - SERB Sponsored 5 days Short Term Training on "Big Data and IoT : The Strategies for Smart Environments" during 17th Feb to 21st Feb 2017 at TCE, Madurai
29. Delivered tech talk on ***“BIG Data Analytics***” in Ten days DST sponsored Training programme from 14th July 2016 to 23rd July 2016 in BIT campus, Anna University, Tiruchirappalli.
30. Delivered talk on “***Big Data and Hadoop***” in TEQIP sponsored two days IEEE FDP on Hands on Training – Hadoop, TCE, Madurai July 15- 16, 2016.
31. Two days (25.9.16 & 26.9.16) Workshop on “***Practical Issues in Building Wireless Sensor Network Applications***” held at Kongu Engineering College, Lecture delivered on “Data mining Techniques and Tools for WSNs”.
32. Guest lecture on “***Applications of Theory of Computation***” delivered at SSM Engineering College, Dindigul.(6/9/14)
33. Guest lecture on ***Theory of Computation”*** delivered at SCAD Engineering College, Tirunelveli, (22/7/14).
34. One day guest lecture on “***Theory of Computation”*** for Faculty Development Training Programe (FDTP) delivered at Anna University, Madurai regional center.
35. Delivered guest lecture on Multimedia Data types & Object Oriented Multimedia Data base **AICTE** Sponsored staff development program on ***Multimedia Data types and Formats*** at TCE, Madurai. (Nov 12-24, 2007).

**SEMINAR, CONFERENCE, WORKSHOP ORGANISED**

1. Sustainability Development Week outreach program to EverGreen Matric and Higher Secondary School, at Tiruporrur on “Quality education through awareness on Social Media” during Oct 26, 2023
2. Sustainability Development Week – Poster presentation on Climatic change among VIT students, Oct 27, 2023 at VIT Chennai
3. Organized “She codes” for Women coders in TechnoVIT, during Oct 6, 2023 at VIT Chennai
4. International Workshop on Idea Alchemy- Turning Concepts into Product, by Prof Aravind Vaithelingam, Taylor’s University, Malaysia, Sep 1, 2023
5. ACM Women’s chapter event on Block Chain, Aug 30, 2023
6. ACM sponsored two day workshop and Hands-on on LaTeX during July 21, 22, 2023 at VIT Chennai
7. Organized ACM Web 3 Revolution under ACM Women’s chapter during June 2023
8. Organizer in Cyber X Hackathon 2023, Jointly organized by Greater Chennai Police and VIT Chennai during May 19, 20, 2023
9. Faculty coordinator for Event and Venue management in Vibrance 2023 at VIT Chennai
10. Organized one day workshop on Data Annotations from ACM Women’s chapter on April 14, 2022
11. Organized Research Expo at VIT Chennai on March 20th, 2023
12. International Webinar on Sustainable Development Goals on Quality Education from Taylor’s University during Feb 22, 2023
13. Organized Industrial guest lecture on Compiler design with Dr.Shriram Vasudevan, Intel, July 11, 2023
14. International Webinar on Design Thinking from Taylor’s University on Sep 27th, 2021.
15. Online coding Bootcamp 1 on Python Programming for School teacher, College faculty members and housewives during Sep 1st -4th ,2021
16. Online coding Bootcamp 1 on Python Programming for School students, College students during Oct 6th -9th ,2021
17. Webinar on Feeling secure - the need for formal proof” by Prof R. Ramanujam, Professor, Theoretical Computer Science, The Institute of Mathematical Science, IMS, Chennai Dec 4, 2020
18. Industrial webinar on “Big data and its Applications in Finance” by Mr.Prabhu Sekaran, Monedo Holding GmbH, Hamburg, German on 21.5.2020
19. Industrial webinar on “Machine Learning and Function” by Mr.Sudarsun S, Buddi Health, Bangalore on 13.5.2020
20. Industrial webinar on “Social Engineering and Covid-19 Malware Attacks” by Mr.Dinesh Pandiyan, Honoary member, National Cyber and defense Research Centre on 8.5.2020
21. TCE Quest
22. ACM Eminent Speaker Programme on Security and Trust by TCE IT ACM Student Chapter at TCE on 21st Feb, 2020.
23. Organized guest lecture on Unbiased Machine Learning for AI Study circle, TCE IT ACM Student chapter on 20th Jan 2020
24. Certification programme python basics
25. Certification programme python for data science
26. Organizing member of **TEQIP** Sponsored One week program on “***Engineering Exploration Camp for school children***” during 6th – 11th May, 2019.
27. **AICTE QIP sponsored One week Short term course** on Research issues and challenges on Data science and Big Data Analytics organized by Department of IT, TCE held during March 18th to 24th 2019.
28. ***ACM Annual Event Meet III*** - ACM Technical talk on "Why and how an Algorithm", by Prof. Venkatesh Raman, Institute of Mathematics. 26.10.18.
29. ACM Guest Lecture on Data Quality and Data Standards by Mr.Sasikumar, Kewaunee Solutions, Bangalore at Department of IT, TCE, Madurai on 3.8.18.
30. ***ACM sponsored Eminent Speaker Programme*** on Privacy and Security in Online Social Media (PSOSM)". by Prof Ponnurangam Kumaraguru, IIIT Delhi at KS Auditorium, Thiagarajar College of Engineering, 27.7.18.
31. A Three day ***TEQIP III sponsored*** ACM Faculty Development Training Programme on “Research based Statistical, Analytical and Data modeling Tools” during 26th to 28th April, 2018.
32. One day ***ACM Hour of Code*** for Inter school students and Poly technique college students during 7th Dec 2017. Total school participants count: 450, venue: All labs in IT department, TCE.
33. ACM Student Chapter One day Inter-department contest on **Modern Tool Usage** during Sep 20, 2017
34. ***ACM Eminent Speaker Programme*** on “The Road: From Research to Commercialization of Ubiquitous Displays"  by Prof Aditi Majummder, University of California. Irvine, 20.9.17.
35. ACM Workshop on “Natural Language Processing” at Department of IT, Thiagarjar college of Engineering, Madurai, 10.9.17.
36. ***TCE in association with NIT Trichy “A one day inter-college Symposium” PRAGYAN SQUARE ONE*** at Thiagarajar College of Engineering, Madurai, 9.9.17.
37. ACM Technical talk on "Statistical Model Checking", by Prof. Madhavan Mukund, Chennai Mathematical Institute (ACM President) at Department of IT, Thiagarajar College of Engineering, Madurai 30.8.17.
38. A Two day ***ACM Turing Award Celebrations***- Live Web Stream @TCE during 23rd -24th June 2017, Department of IT.
39. ***DST SERB & TEQIP II*** sponsored two days ***National Conference*** on Big Data Analytics and Mobile Technologies, Department of IT, TCE during March 24,25- 2017.
40. ***DST SERB & TEQIP II*** Sponsored five days ***Short Term Training Programme*** on “Big Data and IoT: The Strategies for Smart Environments, Feb 17th -21st 2017.
41. A Three Day TEQIP sponsored ***ACM Hands on training*** on Research based Statistical and Analytical Tools at TCE, Jan 5-7, 2017.
42. ***ACM Distinguished Speaker Programme*** on “Image processing using Matlab” by Prof Oge Marques, Florida Atlanta University, Florida, Dec 7 -8 2016.
43. **ACM** Technical talks on “Research issues in Automata Theory and its Applications” by Prof.Madhavan Mukund, Chennai Mathematical Institute (ACM President) at Department of IT, TCE, 31.8.16.
44. Two day TEQIP sponsored IEEE FDP on ***Hands on Training – Hadoop***, ***at Department of IT, TCE*** July 15- 16, 2016.
45. One day ***Open House IoT project Display***, Mar 11, 2016.
46. ***TEQIP sponsored*** two days ***National Conference*** on Recent Trends and Research Issues in Security, Mobility, Analytics and Cloud ( SMAC) by Department of CSE & IT, Jan 29,30- 2016.
47. **ACM** Research Proposal Writing for Smart Governance Projects, by Prof. Krishna Reddy, IIIT Hyderabad, at Department of IT, TCE, 28.1.16.
48. One day Regional level ***ACM Eminent Speaker Programme*** on “IT Operational Analytics” by Dr.Amineesh Nandi, Researcher, IBM India at TCE, 28/11/15, 2015.
49. **ACM** One day *contest* on “Modern tool usage to solve Engineering Problems” for the students at TCE, 30.9.15, 2015.
50. **ACM Technical Talk** on “Latest trend in Software Engineering: Big Data in Software Analytics”, By Dr.Srinivas Padmanabhuni (ACM President India), Infosys Research Labs, Bangalore, at Department of IT, TCE, 7.8.2015.
51. One day guest lecture on C# and .NET Framework for final year IT students at TCE, 2014.
52. Computer Vision on Navigation Approach by Ibrahim, Senior Software Engineer, Honeywell, Bangalore, 2009.
53. One day Workshop on Foundation of Middleware Technologies, TCE, 2006.

**SEMINAR, WORKSHOP ATTENDED in TLP**

1. Entrepreneurial course organized by Wadhwani during Oct 16-18, 2023 at VIT Chennai.
2. One month Faculty orientation program from June 1 – 30, 2023
3. SPIU TN &CIT jointly organizes Two day FDP on Design, Develop and Deliver online courses through MOODLE platform, Apr 23, 24, 2020
4. Two weeks course on Digital transformation in Teaching Learning Process Feb 14 to March 6th, 2020, organized by MHRD, TEQIP online certification.
5. Attended one day workshop on “Advanced Knowledge Resources and IPR in Research” conducted by TCE in association with Knimbus, GIST, Elsevier on 27th March 2019.
6. One Week AICTE QIP sponsored Short term course on “Content Delivery and Assessment Methods for CS/IT Curriculum” during 11th February to 17th February 2019, Thiagarajar College of Engineering, Madurai.
7. AICTE approved FDP (FDP201x) on Pedagogy for Online and Blender Teaching-Learning Process conducted by IIT, Bombay from Oct 30 2018 to Dec 13, 2018.
8. Attended TEQIP sponsored five day workshop on “Happiness Program” by Art of Living, International Center, Bangalore held at Department of EEE, Thiagarajar College of Engineering during 14.5.18 to 18.5.18.
9. Three months IIT BombayX: FDP 101x- Foundation Program in ICT for Education & FDP201x- Pedagogy for online and Blended Teaching leaning process, from Oct 2018 – Dec 2018.
10. One day workshop on Mentoring Skills organized by TCE in association with M.S. Chellamuthu Institute of Mental Health and Rehabilitation (MSCIMHR) Madurai on Nov 1, 2018.
11. Attended one day workshop on Myths and Realities of R&D and IPR at EEIs: Issues, Challenges and Opportunities organized by TCE on 13th July 2018.
12. Attended One day practice on 5S and Award Giving Ceremony organized by ABK AOTS CUMI 5S Annual Award association with TACNITI on 29th Jan 2018 at Chennai.
13. Participated in 5th International Conference on Transformation in Engineering Education ICTIEE 2018 Pre Conference Workshop on "Outcome Based Education (OBE): National & International Accreditation" organized by Thiagarajar College of Engineering in association with IUCEE on 7 Jan 2018.
14. Two days workshop on "Organization development" organized by TCE during Jan 2nd and 3rd, 2018, at TCE
15. TEQIP III sponsored one day workshop on “***Lean Six sigma***” organized by department of Mechanical Engineering during 7/9/17 at TCE.
16. TEQIP II sponsored Three day Faculty Development Program on “***Outcome Based Education***” organized by Centre for Engineering Education, TCE, Madurai during 16th to 18 March 2017
17. One day workshop on “***Psychological First Aid***” organized by the Counseling cell of TCE in association with M.S.Chella Muthu Trust and Research Foundation on 6.2.17
18. TEQIP II sponsored workshop on “***ICT Tools for Engineering Education***” organized by the Centre for Engineering Education, Thiagarajar college of Engineering, Madurai on 9.11.16.
19. TEQIP II sponsored two day workshop on “***International Accreditation and Program Assessment***” organized by Planning and Development Division, at TCE, Madurai from 4th Nov to 5th Nov 2016.
20. Two days TEQIP sponsored workshop on “Basic ***Counseling and Psychotherapy Skills***” organized by Women Cell TCE during Oct 16-17, 2015.
21. Two days TEQIP sponsored workshop on “***Transformation of TCE from good to Excellence***” from 29th and 30th Aug, 2015.
22. Three days TEQIP sponsored workshop on “***Good Learning***” from 2nd June to 4th June held at TCE, Madurai, 2015.
23. Two days TEQIP sponsored workshop on “***Personal Values***” during March 3-4, 2015.
24. Three days TEQIP sponsored faculty development program on “***Designing Engineering Education Research Studies***” organized by Centre for Engineering Education, TCE, from 20th to 22nd August, 2014.
25. Two days Workshop on “***Blooms taxonomy***” at TCE, Madurai.
26. One day Faculty Development Programme on “***Four year Curricula- and how to raise the bar of Competency for Students***” by TCE, Nov 30th, 2007.

**SEMINAR, CONFERENCE, WORKSHOP ATTENDED in CORE AREA**

1. Attended one month 6th Summer School on AI from 18th July to 19th August 2022 organised at IIIT Hyderabad
2. Attended one week AICTE sponsored online short term programme on SciLab: An effective open source tools for Computer vision and Machine learning conducted by Vidhya Jothi Institute of Technology 14.12.2020 to 19.12.2020
3. Attended five days AICTE ATAL sponsored FFP on Block chain by IPS Academy Institute of Engineering & Science Jan4 -Jan 8 2021.
4. Attended five days AICTE ATAL sponsored FDP on Emotional Intelligence (Online mode) from 13.9.2020 to 17.9.2020, jointly organized by AICTE Training and Learning (ATAL) and IIIT, Allahabad.
5. Attended AICTE sponsored a two day national seminar on Industrial Applications of Soft Computing Techniques organized by the Department of Mathematics, TCE, Madurai on 15th and 16th March 2019.
6. TEQIP III sponsored a one day National workshop on Medical Informatics organized by Department of Mathematics, TCE, Madurai held on Dec 17, 2018.
7. TEQIP sponsored two day workshop on Recent trends and research challenges in Deep learning held on 30-31 August 2018 organized by Department of IT and MCA, TCE
8. One day ACM sponsored seminar on Why and What on Algorithms, 26th October, 2018
9. Five days FDP on Machine learning and R Tool organized by Dept of Mathematics, during sep 5-9, 2018
10. Three days TEQIP II sponsored ACM Hands-on training programme on Research based statistical and analytical tools
11. One day ACM 50 Turing award celebrations –live web stream @TCE\
12. Three days Training programme on “Timed Automata” at Chennai Mathematical Institute, Chennai under ACM President Prof. Srivatsan, under the topic: Timed Automate, Tools, Data modeling and analysis of Real time system using Uppal Tool during Feb 19 – Feb 21st, 2018
13. Intel Sponsored One week short term training programe on Machine Learning using Python from 24.07.17 to 28.07.17 at ***NITTTR, Chandigarh***.
14. One day Faculty development program on “**Software safety & Security**” supported by LDRA Academic Alliance Program (LAAP) during 9th Sep, 2016 at TCE, Madurai.
15. Participated in 1st National Conference & Exhibition on e Health, Telemedine and Health ICT organized by ***Telemedicine Society of India*** on 18th June 2016 at Madurai in association with Indian Medical Association, Tamil nadu Chapter.
16. Ten days Training Programme on “Big Data Analytics” organized by department of CSE, ***Indian Institute of Technology, Roorkee***, from April 1st – April 10th, financially supported by Big Data Initiative, DST, New Delhi. 2016.
17. TEQIP Sponsored two days Workshop on “***Evolutionary Optimization Algorithms and Applications***” organized by department of EEE, at TCE during 4th and 5th March 2016.
18. TEQIP-II sponsored two days Hands-on Workshop on “***Exploratory and Statistical Analysis using R***”, 6.11.15 & 7.11.15, 2015.
19. Two days TEQIP sponsored faculty development program on “***Internet of Things***” held at TCE, Madurai.
20. Two week ISTE Workshop on ***Cyber Security*** conducted by ***IIT Bombay***, under the National Mission on Education through ICT (MHRD, Govt. of India), July 10-20, 2014.
21. One week Workshop on “***Database- learning through Activity*** by CSE department, at TCE, Madurai. June 23rd – 27, 2014.
22. One day workshop on ***SciLab***- Spoken Tutorial project, is conducted by IIT Bombay, funded by National Mission on Education through ICT (MHRD, Govt. of India, on 7th Jan 2014.
23. DRDO Sponsored one day Workshop on “***Applications of Soft Computing Techniques in Information Retrieval and Knowledge Discovery***”, on 10th Apr, 2013, TCE, Madurai.
24. One day Faculty development programme on “***Mobile Computing***” Aug 3rd, 2012 by Department of CSE, TCE, Madurai in collaboration with TATA Consultancy Services, Chennai.
25. Two days Workshop on ***Alan Turing Centenary year***- Art of Computing is organized by Department of Applied Mathematics and Computational Science during 7th& 8th, Dec-2012 at ***P.S.G, Coimbatore***.
26. Two days Workshop on “***Research issues in Medical Image Analysis***” is organized by TCE from Oct 20th-21st, 2011.
27. Two days Workshop on “System Integration Challenges and Solutions for Mixed Signal Design” organized by TIFAC-CORE in Wireless Technologies and Department of ECE, during July 4 & 5, 2011.
28. National Conference ***on Free/ Open Source Software*** (FOSS’09) – GNU/Linux held at Department of CSE, TCE on Feb 27th, 28th& Mar 1st, 2009.
29. One day Workshop on VLSI Design held at TCE, Madurai in collaboration with IUCEE on 28th Feb, 2009.
30. Three days workshop on “***Basics & Advanced Image Processing Techniques using MATLAB and C++”*** held at TIFAC-CORE in Automative Infotronics at VIT University, Vellore.(9.7.09- 11.7.09)
31. Three days Workshop on “***Digital Image and Video Processing***” at National Institute of Technology, ***NIT* Trichy** on 7th – 9th, Nov 2008.
32. AICTE Sponsored Staff Development Program on “***Multimedia Data Types and Formats***” conducted during Nov 12th- 24th, 2007 by TCE, Madurai.
33. TCS conducted two days Faculty development programme on “***SDLC and Project Management- Best Practices***” organized by TCE, Madurai on Jul 27th& 28th, 2007
34. Short-term course on “***Applications of Evolutionary Computation to Engineering Optimization Problems***” during 28th May to 1st June, 2007 at Thiagarajar College of Engineering, Madurai.
35. Workshop on “***Architectures and Compilers for Multithreading”*** at ***Indian Institute of Technology, Kanpur.***
36. Attended IBM Certified Web sphere Studio Application Developer and completed successfully.
37. One day Workshop on ***ASIC Design*** at Thiagarajar College of Engineering, Madurai.
38. Three days workshop on ***Image processing on medical applications*** held at TCE, Madurai.
39. Two days Faculty development training programme on ***Data mining techniques*** held at TCE, Madurai.
40. Two weeks Faculty Development Training Program on ***Theory of Computations*** at Nandha Engineering College, Erode from 22nd May to 3rd June, 2006.
41. Attended Workshop on ***Network Processor*** under the name WNP2006 at ***Anna University***, ***Guindy***.

**FACULTY INTERSHIP**

1. Three days Training programme on “Timed Automata” at ***Chennai Mathematical Institute, Chennai*** under ACM President Prof. Srivatsan, under the topic: Timed Automate, Tools, Data modeling and analysis of Real time system using Uppal Tool during Feb 19 – Feb 21st, 2018
2. Five days Training programme on “Timed Automata” at ***Chennai Mathematical Institute, Chennai*** under ACM President Prof. Madhavan Mukund, under the topic: Timed Automate, Tools, Data modeling and analysis of Real time system using Uppal Tool during May 28 – June 2nd, 2017
3. Three days Hands-on Workshop on Big Data Analytics with real world use cases conducted by ***CDAC, Chennai*** from Aug 24 – 26th, 2016.

**FUNDED PROJECTS:**

**Details** **of** **Projects** **under** **implementation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Title** | **Cost in Lakh** | **Duration** | **Role as PI/Co-PI** | **Agency** |
| **1** | Entry Gate Access Control for Multiple people using Temperature detector devices | 2 lakh | 1 year | Co-PI | VIT-SEED |
| 2. | Indo- Srilankan Foundation –financial support for Academic exchanges involving students, scholars and academics | 2 lakh | Jan 22- Feb 4, 2024 | PI | Indo- Srilankan Foundation –financial support for Academic exchanges involving students, scholars and academics |

**Details of projects submitted:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No** | **Title** | **Cost in Lakh** | **Month of submission** | **Role as PI/Co-PI** | **Agency** | **Status** |
|  | Sociocultural Trends in Adolescent Malnutrition: A Comprehensive Study of Higher  Secondary Schools in Chennai | 18.5 | October 2023 | CO-PI | ICSSR | Submitted |
|  | Predictive Analytics using Big Data for Extreme Weather Phenomenon | - | Nov 18, 2023 | PI | SERB-SIRE | Submitted |
|  | Design of AI based autonomous subway monitoring system to prevent flood accidents | 26 | Nov 28, 2023 | PI | SERB-SURE | Submitted |

**Details** **of** **Projects** **completed** **during** **the** **last** **5** **years**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Title** | **Cost in Lakh** | **Duration** | **Role as PI/Co-PI** | **Agency** |
|  | Image Processing based Name Plate Digitalization -Optimal Coordinate Convolution Embedded Region Proposal Network Model for Nameplate and Attribute Extraction in Scanned CAD Documents | 10 | 2019-2020 | CO-PI | Industry Supported R&D project with Alfa TKG Integrated Solutions India Pvt. Ltd. |

**SPONSORED Conferences/ STTP/ FDPs**

1. Socialcultural Trends in Adolescent Malnutrition: A comprehensive study of Higher Secondary Schools in Chennai- Project submitted to ICSSR grant 2024, (Rs. 17,54,028).
2. Awarded SEED grant money Rs 2 Lakhs for the project “VITemp – Entry Gate Access Control for Multiple people using Temperature Detector Devices. 2023
3. Awarded grant Rs 2 Lakhs from Indo- Srilankan Foundation –financial support for Academic exchanges involving students, scholars and academics, 2023
4. **AICTE QIP Short Term Courses** on Research Issues and challenges in Data Science and Big Data Analytics, Department of Information Technology, TCE going to be held during March 18th – 24, 2019 (Rs. 4,50000/-)
5. ***DST SERB & TEQIP II*** sponsored two days ***National Conference*** on Big Data Analytics and Mobile Technologies, Department of IT, TCE during March 24,25- 2017 (Rs.75000/-).
6. ***DST SERB & TEQIP II*** Sponsored five days ***Short Term Training Programme*** on “Big Data and IoT: The Strategies for Smart Environments, Feb 17th -21st 2017 (Rs.75000/-).

**CONSULTANCY PROJECT:**

1. R.Suganya, “***Content Based Dental Image Retrieval”*** for ***Sri Krishna Dental Care***, Madurai, 2015-2016.
2. R.Suganya, Telecom Project on “***Utilization of band width & traffic signals***” for MTS Siestema Telecom, 2012- 2013.

**ACADEMIC RESEARCH GUIDANCE:**

1. Supervisor (Ref.No: 3140030) Anna University
2. PhD produced - 1
3. Anna University ***Doctoral Committee member for PhD students: 6***

|  |  |
| --- | --- |
| **GUIDANCE:** |  |
| **PhD** | 3 (Ongoing) |
| **B. Tech.** | 45 batches completed |
| **M. Tech.** | 14 completed (1 ongoing) |
| **Interns** | 25 batches |

**PROFESSIONAL MEMBERSHIP:**

1. Internet Society
2. ACM Women Student Chapter got approved 2018
3. Association for Computing Machinery **(*ACM)*** in Advancing Computing as a Science & Profession. Professional Member (3046748) since 2015.

* TCE IT ACM STUDENT CHAPTER since 2015
* Conducted several Workshops, Eminent Speaker Programmes, Annual meet, **Societal events** (***Pragayan Infinity Square-*** *Inter College competition*, ***Hour of Code***, **Quest** – *Inter School competition*).
* Faculty chair for ACM Women’s Chapter
* ACM Professional Chapter in Progress

1. IEEE Member – 99825054 (Dec 28, 2023)
2. Association of Scientist, Developers and Faculties(***ASDF***) Life member (1187639076874713)since 2015
3. International Association of Computer Science and Information Technology (***IACSIT***), Member since 2014.
4. Indian Society of Technical Education (***ISTE***), Member since 2009.
5. International Association of Engineers (***IAENG***), Member No: 150757) since 2009
6. Quality Circle Forum of India (QCFI) ,Membership no:039917 119661, 2019.

**MOOC Development**

TCE MOOC – 21TOCIT01: Data Visualization – 4Weeks course

Course Instructor: Dr. R.Suganya, Dr.A.M. Abirami, Dr. A.Sheik Abdullah, and Dr.C.Jeyamala

TCE MOOC - 22TOCIT04 - Big Data Tools and Technologies - 4 Week Course

Course Instructor: Dr.R.Suganya, Dr.A.M. Abirami

**ONLINE CERTIFICATION**

1. Certified Nvidia- DLI Certification for the successful completion of “Building Real-time Video AI Applications” during Oct 4, 2023
2. Certified NPTEL Course on Big Data Computing 73%, 2019, (Elite)

**REVIEWER**

1. Reviewer in Informatics in Medicine Unlocked
2. IEEE Access
3. Reviewer – International Journal of Computer Aided Engineering and Technology, INDERSCIENCE
4. Reviewer – The Imaging Science Journal
5. Reviewer for Fifth International Symposium on Women in Computing and Informatics (WCI -2017) since 2015 , sponsored by IEEE
6. Reviewer – Journal of Telecommunication and Networking

**ACHIEVEMENTS:**

1. Mentor in Women in Big Data – International Summer Mentorship program –WiBD, Aug 22, 2023
2. AICTE and Brain O Vision sponsored One week National level FDP on Amazon Web Services- India Book of Record appreciation received for Host college Coordinator, at Hyderabad, Sep 2, 2023
3. HPE CTY Mentorship certificate for Industry internship project, 2023
4. Successfully organized DePondFi’ 23 – Detection of Pond Fish Challenge in conjunction with the 8th National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG) 2023, held on July 21-23, at IIT Jodhput
5. Inaugurated and faculty sponsor for ACM Women’s chapter at VIT Chennai.
6. ACM Research Facilitation Committee member in ACM India
7. Invited as an Academic Expert for selection of JRF in CVRDE- Government of India, Ministry of Defense Combat Vehicles Research and Development Establishment.
8. Reviewer for the 10th ICTIEE 2023 in association with IUCEE foundation from Jan 5-8, 2023
9. Received best coordinator for Hackathon on Tamil Computing from the Minister Mr. Mano Thangaraj, Department of Information Technology and Digital Services on Dec 22, 2023.
10. Received Two Best paper awards in Engineering Education , IUCEE, ICTITEE 2022.
11. Recognized as a top performer in TCE 2021 and received cash prize.
12. Power judge evaluator in National level contest Toycathon 2021.
13. Delivered technical talk in Tamilnadu Science Forum (TNSF), Sep 2021.
14. Joint Collaboration with Professor from Wisconsin University, Parkside on Engineering Education Project
15. Mentor for team won First prize in PALS Analyze Event 2021 organized by PALS Associate, IIT Alumni
16. Successfully completed SmartInterntz Gurucool Program on 6 days training on Emerging Technologies followed by a Project Build-a-Thon conducted by IBM India University Relations
17. Members of Expert Evaluation Committee of NEAT, AICTE, Ministry of Education. 29 Oct, 2020
18. Committee member for Anna University Center for Affiliation, Chennai. Inspection held on 13th to 16th April 2020
19. Live Telecast –topic on Impact of online games in Net in All India Radio, March 17, 2020.
20. Institution won Gold Award in Medium Scale Category in the 17th ABK AOTS 5S Competition in 5S and Award Giving Ceremony organized by ABK AOTS CUMI 5S Annual Award association with TACNITI on 27th Jan 2020 at Chennai. (5S Coordinator for IT Department
21. ***Live Telecast*** *on* ***Whether Selfie is safety or danger?*** *in* ***All India Radio,*** *17th Nov, 2019*
22. Received cash award Rs.4000/- from TCE Chairman Karumuthu T.Kannan, 2019.
23. Committee member for Anna University Center for Affiliation, Chennai. Inspection held on 3rd& 5th April 2019
24. Professor Interview panel member at M.Kumarasamy College of Engineering, Karur. (9/5/18)
25. Committee member for Anna University Center for Affiliation, Chennai. Inspection held on 23 & 24th Feb
26. Institution **won Silver Award** in Medium Scale Category in the 16th ABK AOTS 5S Competition in 5S and Award Giving Ceremony organized by ABK AOTS CUMI 5S Annual Award association with TACNITI on 29th Jan 2018 at Chennai. (5S Coordinator for IT Department.
27. R.Suganya, Fiaz, Gokul Rajan, Ajay Arvind, JP.Naveen kumar, has selected in first prilims under a titled "Analysis of Monogenic Human Activity Recognition data using Data Mining Algorithms in ***National Student Start Up Challenge Yu Start 2018*** association with ***CII*** on 19th Jan 2018 at IIM, Bangalore.
28. **Best Familiar Faculty Award** from Association of Scientist, Developers and Faculties (ASDF) South Indian ***ASDF Awards (SIAA-2017***), April 8th, at Cochin, Kerala.
29. ***Young Women Award in Engineering*** from Venus International Foundation, in ***Annual women’s Meet*** (AWM) Mar 4th ,2017 at Radha Regent, Chennai.
30. ***Live Telecast*** *on* ***Password Safety*** *in* ***All India Radio,*** *17th Nov, 2017.*
31. ***MoU*** between **C-DAC,** Chennai and Department of **IT**, TCE.
32. **Board of Studies Member** for the Department of CSE, at ***M.Kumarasamy College of Engineering****,* Karur since 2016, 2017& Mar 9th 2018.
33. **External examiner** for Anna University PHD Viva voce.
34. ***Session chair*** in Second International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS’15) conducted by ***IIITM-Kerala***

**PERSONAL DATA:**

Name: R.Suganya

Date of Birth: June 28, 1982

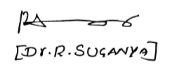
Languages: English and Tamil

Marital Status: Married

Religion: Hindu

Nationality: Indian

I hereby declare that all the information provided by me in this application is factual and correct to the best of my knowledge and belief.



**Date:** Dec 20, 2023 **[SUGANYA. R]**