FACULTY PROFILE

Name of Teaching Staff / RMK ID	T.D.SUBHA/T1023
Designation	Assistant Professor
Department	ECE
Date of Joining the Institution	21.02.2022
Qualifications	B.E(ECE) M.E(VLSI Design) (Ph.D)
Total Experience	Overall : 6.5 in RMK : 3.3
Papers Published in Journal	Overall : 58 After Joining RMK : 42
List of Papers Published	1. T.D.Subash, T.Gnanasekaran, **T.D.Subha**, T.D.Subashini, 2015 "The role of LSDCCFF for LC resonant clock distribution network in low power VLSI", *International Journal of Applied Engineering Research,*ISSN:10871090, Vol.10, No.2, pp. 1949-1953 (Anna University, **Annexure-II**). 2. Bibin Vincent, S.U.Aswathy, T.D.Subash and **T.D.Subha**, 2020 "A Novel Approach to White Light Radiation from Silicon Based Tunnel", *International Journal of Silicon,* Springer (Anna University, **Annexure-I**). 3. Eugene Peter, T.D.Subash, **T.D.Subha**, Alsufiyan Nazim, 2020 "Utilizing Radiant Nanoparticles in Silicon for Balanced White Color Adaptors", International Journal of Silicon, Springer (Anna University, **Annexure-I**). 4. T.Suresh, Z.Brijet, **T.D.Subha**, 2022 "Modified local binary patterns based feature extraction and hyper parameters tuned attention segmental recurrent neural network classifier using flamingo search optimization algorithm for disease diagnosis model", Journal of Concurrency & Computation Practice & Experience, Wiley, (Anna University, **Annexure-I**). 5. T.Suresh, Z.Brijet, **T.D.Subha**, 2022 "Imbalanced medical disease dataset classification using enhanced generative adversarial network" Journal of Computer Methods in Biomechanics & Biomedical Engineering, Taylor & Francis, (Anna University, **Annexure-I**).

6. **T.D.Subha**, C.Arunachalaperumal, T.D.Subash, K.J.Jeepa, 2022 "A hybrid technique employed for efficiency improvement of tandem perovskite Solar Cell", Journal of Photovoltaics, Wiley (Anna University, **Annexure-I**).

7. M.Suganthy, S.Ashok, A.Uma Maheswari, **T.D.Subha**, 2023 "Recalling-enhanced recurrent neural network optimized with wood pecker mating algorithm for brain tumor classification", journal of Concurrency and Computation Practice and Experience, Wiley (Anna University, **Annexure-I**).

8. T.D.Subash, Ajaiyan and **T.D.Subha**, 2017 "Performance Comparison of 64-bit Carry Look-Ahead Adders Using 32nm CMOS Technology", *Elsevier-materials today proceedings*-4, pp. 4153-4168.**(SCOPUS indexed)**

9. Solwin Johnson and **T.D.Subha**, 2017 " A study on Eye Fixation Prediction and Salient Object Detection in Supervised Saliency", *Elsevier-materials today proceedings*-4, pp. 4153-4168. **(SCOPUS indexed)**

10. **T.D.Subha** and V.D.Reshma, 2017 "A study of Non-invasive Heart Rate Monitoring System by using FPGA", *Elsevier-materials today proceedings*-4, pp. 4153-4168. **(SCOPUS indexed)**

11. **T.D.Subha** and S.G.Hymlin Rose, 2019 "Aerial Scene Classification by Surf Feature Extraction Using Unsupervised Learning", *International Journal of Engineering & Technology*, pp. 498-504. **(SCOPUS indexed)**

12. **T.D.Subha,** T.D.Subash, K.S.Claudia Jane, Devadharshini.D, Dhanya and Francis, 2020 "Study and Analysis of Suppress of Surface Wave Propagation in Microstrip Patch Antenna", *Elsevier-materials today proceedings*-24, pp. 2414-2423. **(SCOPUS indexed)**

13. **T.D.Subha,** T.D.Subash, K.S.Claudia Jane, Devadharshini.D, Dhanya and Francis, 2020 "Autonomous Under Water Vehicle Based on Extreme Learning Machine for Sensor Fault Diagnosistics", *Elsevier-materials today proceedings*-24, pp. 2394-2402. **(SCOPUS indexed)**

14. **T.D.Subha,** T.D.Subash, Elizabeth Rani and P.Janani, 2020 "LiFi: A Revolution in Wireless Networking", *Elsevier-*

materials today proceedings-24, pp. 2403-2413. **(SCOPUS indexed)**

15. **T.D.Subha,** T.Suresh, T.D.Subash, Swetha Reddy A, 2020 "Review on some kind of new process of Restructuring the automotive process", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

16. **T.D.Subha,** G.Gokul Raj, J.Sworna Jo Lijha, T.D.Subash, 2020 "A Study on Single Frequency Network on High Speed Train", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

17. **T.D.Subha,** Shabanabegum S.K, T.Suresh, Swetha Reddy A, 2020 "Artificial Heart Virtualization Seizure management Structure Relies on Controlled Nerve Stimulation", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

18. **T.D.Subha,** T.D.Subash, T.Suresh, 2020 "The Importance for Nanostructures in N-I-P Ambiguously defined Si Periodic Concentrated Solar Devices", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

19. **T.D.Subha,** C.Arunachalaperumal, T.D.Subash, 2020 "Non linear adaptive Smart antenna resource Management for 5G through to Surveillance systems", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

20. **T.D.Subha,** J.Sworna Jo Lijha, Gokulraj T.D.Subash, 2020 "Radical Low-Slung Influence 12-Bit SAR ADC", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

21. T.Suresh, **T.D.Subha,** K.S.Swetha, A.Swetha Reddy, 2020 "Using DSP-based Effective Wireless Ethernet Accumulation of Networks", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

22. T.D.Subash, **T.D.Subha,** I.Titus, Alsufiyan Nazim, Eugene Peter, 2020 "COVID 19 an Infectious Disease Influenced in Modern Era-Recent Survey in India", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

23. A.Swetha Reddy, **T.D.Subha,** T.Suresh, T.D.Subash, 2020 "A DTM Research based on the Strategic Process", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**

24. P.Janani, N.Elezabeth Rani, **T.D.Subha,** T.D.Subash, 2020 "The Role of Nano-Communication in bio Medical

	Application and Research", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**
	25. P.Janani, N.Elezabeth Rani, **T.D.Subha,** T.D.Subash, 2020 "Analysis of Acute Myocardial Infraction Diagnosis", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**
	26. N.Elezabeth Rani, P.Janani, **T.D.Subha,** T.D.Subash, 2020 "Ethernet interaction at wave Propagation of millimeters", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**
	27. T.Suresh, **T.D.Subha,** Surendra Kumar C, T.D.Subash, 2020 "A Study of Novel Technique-Solar Powered Bicycle", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**
	28. T.D.Subash, **T.D.Subha,** Alsufiyan Nazim, T.Suresh, "Enhancement of Remote Monitoring Implantable System for Diagnosing Using IoMT", *Elsevier-materials today proceedings* Volume 43, Part 6, 2021, Pages 3549-3553. **(SCOPUS indexed)**
	29. T.Suresh, K.S.Swetha, A.Swetha Reddy, S.Vishnupriya, **T.D.Subha**, 2020 "A Study of Monitoring Roadmaps using Microprocessors", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**
	30. **T.D.Subha**, T.Suresh, Chillakuru Poojitha, Deena Priya, Deepika V, Deepika G, 2021 "Gradient Monitoring: Study of a Powerful Communication System", *Elsevier-materials today proceedings.* **(SCOPUS indexed)**
	31. T.Suresh, **T.D.Subha**, N.Pavithra, M.B.Jaya Soundariya, P.Priyadarshini, B.Jagadeeswari, 2021 "An exploration of the implications of Nd:YAG Photon Texturing on the layers of Semiconductor Materials", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**
	32. T.Joel, T.D.Subha, Srilakhsmi, Sirisha, C.Dharmesh, A.Devaraj, 2021 "An Autonomous Mobility Protection Scheme with Authentic Signal Propagation Detection is Integrated- using Turnpike Detectors", *Elsevier-materials today proceedings*. **(SCOPUS indexed)**
	33. S.Gomathi, D.Arulanantham, Rajesh Thumma, S.Vimala, Sonia Jenifer Rayen and **T.D.Subha**, 2022, "PFC Based Three Stage Interleaved Boost Converter for Renewable Energy System" IEEE Proceedings. **(SCOPUS indexed)**

	34. S. Kalaivani, **T.D.Subha**, K. Sushmitha, D. Rajalakshmi, S. H. A. Hakeem and D. Kalaiselvi, "Design of Narrowband Truncated Rectangular Antenna for Breast Cancer Detection," 2022 International Conference on Applied Artificial Intelligence and Computing (ICAAIC), 2022, IEEE Proceedings, pp.1234-1238, doi: 10.1109/ICAAIC53929.2022.9792957. **(SCOPUS indexed)**
	35. P.Dinesh Anton Raja, C.Arunachalaperumal, M.Rekha, **T.D.Subha**, D.Kalaiselvi and A. K. V. V, 2022 "Non-Invasive Vital Health Monitoring of Senior Citizen with Wearable-IoT Sensor Node," 6th International Conference on Intelligent Computing and Control Systems (ICICCS), 2022, pp. 519-524, doi: 10.1109/ICICCS53718.2022.9788397. **(SCOPUS indexed)**
	36. J.Jasmine Hephzipah, **T.D.Subha**, K. Neela, Sushmitha and Anvitha, 2022 "Detection and Diagnosis of Meningioma Brain Tumors using Proposed CNN Architecture," International Conference on Inventive Computation Technologies (ICICT), 2022, pp. 999-1004, doi: 10.1109/ICICT54344.2022.9850493. **(SCOPUS indexed)**
	37. N. K. Senthil Kumar, R. Prathipa, Uma Priyadarsini P and **T.D.Subha**, 2022 "Performance Investigation on Cross Layered Routing Protocol in Cognitive Radio Networks (CRN)," 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC), 2022, pp. 1683-1688, doi: 10.1109/ICESC54411.2022.9885465. **(SCOPUS indexed)**
	38. S. Kalaivani, G. Bharathasreeja, **T.D.Subha**, K. Neela, D. Kalaiselvi and P. V. Kumar, 2022, "Star Shaped Penta-Frequency Microstrip Radiating Element Design for X, C Band and Satellite Communication," 2022 6th International Conference on Trends in Electronics and Informatics (ICOEI), pp. 482-486, doi: 10.1109/ICOEI53556.2022.9776799. **(SCOPUS indexed)**
	39. S. Gomathi, M. Panneerselvam, G. K. Kumar, **T. D. Subha**, M. S. Murali Kishanlal and S. Jaanaa Rubavathy, "Performance Comparison of AFZ Converter with PI and FOPID Controller," 2022 International Conference on Edge Computing and Applications (ICECAA), 2022, pp. 916-921, doi: 10.1109/ICECAA55415.2022.9936078. **(SCOPUS indexed)**

	40. S.Mahaboob Basha, A.Arun, **T.D.Subha**, V.Bhuvaneswari, D.Kalaiselvi, J.Navin Sankar, 2022 "FPGA Implementation of Integrated Circuit Interaction Along with Modern Connectivity and Adapter Transponder" AIP Conference Proceedings, ISSN 1551-7616. **(WoS)** **41.** S.Mahaboob Basha, A.Arun, **T.D.Subha**, V.Bhuvaneswari, D.Kalaiselvi, J.Navin Sankar, 2023 "Implementation of Station Vigilance using RF for railway Passenger" AIP Conference Proceedings, Vol 2523, issue 1. **(WoS)** **42.** Y.M.Blessy, V.S.Prabhu, M.Perarasi, J.Jasmine Hephzipah, B.Sarala, M.S.Kavitha, **T.D.Subha**, 2023 "Complex Leap Collection-based CNN Method Using jamming Detection in Wireless IoT Networks" Journal of ECB, Elsevier, Special Issue 2, Page No. 1953-1966. **(SCOPUS indexed)** **43.** A.Darwin Nesakumar, M.S.Kavitha, B.Sarala, J.Jasmine Hephzipah, R.Pavaiyarkarasi, M.perarasi, T.D.Subha, 2023 "Optimal Algorithm for Power Assignments in OFDM-form of Cognitive Radio Technique", Journal of ECB, Elsevier, Special Issue 2, Page No. 1929-1937. **(SCOPUS indexed)** **44.** **T.D.Subha**, N.Sasirekha, S.Radhika and M.Tamilselvi, "Analysis of Deep Learning Methods for Fracture Segmentation of Road surface under on Encoder and Decoder," 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2022, pp. 1-9, doi: 10.1109/ICSES55317.2022.9914306. **(SCOPUS indexed)** **45.** **T.D.Subha**, Mukhil.R, Sree Saran, Vasanth T and Aswin Kumar V V, "An Intelligent Power Grid with CENELEC A used in Integrated Electronic Devices," 2022 2nd International Conference on Technological Advancements in Computational Sciences (ICTACS), Tashkent, Uzbekistan, 2022, pp.520-524, doi: 10.1109/ICTACS56270.2022.9987974. **(SCOPUS indexed)** **46.** **T.D.Subha**, S. Selvalakshmi, M. A. Nasreen, M. Logeshwaran, D. A. Raja.P and A. Kumar.V.V, "Data Transmission Dielectric Recombination Proving Ground Besides Bilateral Interaction Sites Software Architecture," 2022 5th International Conference on Contemporary Computing and Informatics (IC3I), Uttar Pradesh, India, 2022, pp. 1394-1400, doi:

10.1109/IC3I56241.2022.10072896. **(SCOPUS indexed)**

47. **T.D.Subha**, K. S. Manasa, K. Akhila, N. S. Saranya, K. Tejaswini and K. Sannuthi, "Implementation of Fog-IoT Framework to Deal with the Performance metrics in various IoT Devices," 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Chennai, India, 2023, pp. 1-9, doi: 10.1109/ICECONF57129.2023.10083823. **(SCOPUS indexed)**

48. **T.D.Subha**, Nivetha.C, Nithyasree.R, Thrishaa.K, P.Bhargavi and P.Vinitha, "A Robust Task Organizing Approach on IoT Enabled Mobile Computing Paradigm Based on Multilayer Management Model," 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Chennai, India, 2023, pp. 1-9, doi: 10.1109/ICECONF57129.2023.10084096. **(SCOPUS indexed)**

49. **T.D.Subha**, Dhanashree.S, G. Sai Charan, Divya Dharshini.E, Princy.I and C.Charishma Reddy, "An Efficient ImageBased Mammogram Classification Framework Using Depth Wise Convolutional Neural Network," 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Chennai, India, 2023, pp. 1-8, doi: 10.1109/ICECONF57129.2023.10083528. **(SCOPUS indexed)**

50. **T.D.Subha**, D. V. Reddy, T. Suresh, E. G. Sekhar, C. M. Krishna and A. V. V. Kumar, "The Role of Arduino Uno in Voice Recognition Process with Atmega328P," 2022 International Interdisciplinary Humanitarian Conference for Sustainability (IIHC), Bengaluru, India, 2022, pp. 528-531, doi: 10.1109/IIHC55949.2022.10060564. **(SCOPUS indexed)**

51. D. Kirubakaran, S. Gomathi, T. Kavitha, M. S. Silvya, P. Rajeshwari and **T.D.Subha**, "Fuzzy Logic Controlled SEPIC With Coupled Inductor-based Converter for High Voltage Applications," 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 101-107, doi: 10.1109/ICACRS55517.2022.10029313. **(SCOPUS indexed)**

52. S. Vijayalakshmi, **T.D.Subha**, Manimegalai.L, Ektha

Sudhakar Reddy, D. Yaswanth and S. Gopinath., "A Novel Approach for IoT Intrusion Detection System using Modified Optimizer and Convolutional Neural Network," 2022 Sixth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Dharan, Nepal, 2022, pp. 180-186, doi: 10.1109/I-SMAC55078.2022.9987314. **(SCOPUS indexed)**

53. Arya, Jaqualin, Nimmi, Sonali, Amrutha, Hega & **T.D.Subha**, 2016, "Transition Mechanisms from IPv4 to IPv6 Addresses", *Journal of Web Engineering & Technology*, vol.3, no.2, pp.21-27, ISSN: 2455-1880.

54. Ria Agnes Jose, Ane Mary Xavier, Anjana Augustine K, Fincyjohny, Lakshmi V.P, Reshma V.D & **T.D.Subha,** 2016, "Protection of UHV substations and Transmission Lines against Lightning", *Trends in Electrical Engineering*, vol.06, no.2, pp.41-49, ISSN: 2249 – 4774.

55. Aleena V.J, Kavya Balakrishnan, Rosmi T.B, Swathy Krishna K.J, Sreejith S & **T.D.Subha,** 2016, "Automatic Waste Segregator and Monitoring System", *Journal of Microcontroller Engineering and Applications*, vol.03, no.2, pp.1-7, ISSN: 2455 – 197X.

56. Melbin Babu & **T.D.Subha**, 2016, "Emotion Sensory World: A Review on Blue Eyes Technology", Journal of Artificial Intelligence Research and Advances, vol.03, no.2, pp.18-25, ISSN: 2395-6720.

57. S.Bhaghawath, **T.D.Subha** and A.Arul Mary, 2013, "A New Segmentation Technique by KDE Model and Two-phase Graph cut method", *International Journal of Computer Science and Mobile Computing*, vol.2, no.4, pp.628 – 636, ISSN:2320-088X.

58. K.S.Swetha and **T.D.Subha**, 2020, "A Study of Carbon Nanotubes in Photovoltaic Devices", Trends in Opto-electro & Optical Communication, vol.10, n0.1, pp.1-13, ISSN:2231-0401.

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 85	After Joining RMK : 78
Ph.Ds / Projects Guided	Ph.Ds Guided : NIL	Student Projects Guided : 25
Books Published :	Count : 3	

	- Wireless Communication, RK Publications, ISBN-978-93-95331-44-9 - Electronic Circuits-I, Alpha International Publication (AIP), ISBN 978-93-95978-89-7, 2023 - Digital Communication, Alpha International Publication (AIP), ISBN 978-93-95978-90-3, 2023
Patents	**Published Count : 12** **Granted Count : 2** 1. **T.D.Subha**, T.Joel, V.Ramkumar, Vijaya Vardan Reddy, V.Femina, K.Dhivya, S.Jai Ganesh,V.Kannagi, K.Naresh Kumar Thapa, P.Ponmurugan, June 2021, "IOT Based Automatic Water Clarity Measurement System Powered By Solar Cells", published in *Indian Patent Advanced Search System.* 2. S.Mahaboob Basha, S.Jagadeesh Babu, **T.D.Subha**, P.Anusha, V.Ramkumar, Vijaya Vardan Reddy, July 2021, "FPGA Based Smart Agriculture System", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*. 3. B.Jeya Poornima, J.Joselin Jeya Sheela, S.Jayanthi, D.Kalaiselvi, T.Tamil Selvi, Arun A, C.R.Bharathi, **T.D.Subha**, Bhuvaneswari V, S.Mahaboob Basha, July 2021, "Design of Defeated ground Structured Fermi Tapered Antenna for Future Generation Communication", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*. 4. Dr.T.Bleeslin Sheeba, Dr.R.Muniraj, Dr.R.Ramya, S.Siddik, Supriya, T.Siva, Dr.N.Naga Saranya, Darwin Nesakumar A, Dr.D.Saravanan, **T.D.Subha**, February 2022, "Internet of Things, Embedded based Cloud-Agent device for Infant mortality Syndrome Observing and investigation using ML", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*. 5. P.Latha, Harshavardhan Naidu Sapineni, G.Gugapriya, Dr.Dinesh Anton Raja P, Jebasigh Kirubakaran S J, R.Priya, Kumaran G, **T.D.Subha**, D.Kalaiselvi, S.Joshua Kumaresan, January 2022, "IoT based Intrusion Discovery and Filtering System by Using Raspberry-Pi", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*. 6. Dr.g.Sasikala, Dr.Hariharan I, Mr.Sathiayndrakumar Srinivasan, Dr.Jayakumar L, **Ms.T.D.Subha**, Mr.Arun M, Dr.A.Selvarani, Dr.K.Vijayalakshmi, Dr.R.Ramya,

	Dr.V.samuthira Pandi, February 2022, "An Embedded Low Cost Robot for Detecting Alive Human Present Operations", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*.
	7. Dr.S.G.Hymlin Rose, Dr.Jayakumar L, Dr.P.RanjithKumar, Dr.S.Anandalatchoumy, Dr.Dhiran Ramanbhai Patel, Dr.N.R.Rajalakshmi, **Ms.T.D.Subha**, Dr.V.Velmurugan, Mr.Darwin Nesakumar A, Dr.T.Preethiya, February 2022, "Microcontroller Controlled Robot Arm for Paint Spraying", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*.
	8. **T.D.Subha**, Arunkumar K, N.Murugan, Selciya Selvan, M.Praveen, Dr.R.Remya, Dr.I.Poonguzhali, Dr.Amirthalakshmi T.M, Kannan R, J.S.Sworna Jo Lijha, February 2022, "VLSI Based impulse Noise Cancellation to Enhance the Image Quality Visually", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*.
	9. Dr.E.Sivajothi, Dr.Therasa P R, Dr.R.M.Dilip Charan, D.Kanchana, Dr.Vijayakumari P, Dr.R.Vinod Kumar, E.Dilipkumar, Dr.S.Kumaran, **T.D.Subha**, E.U.Iniyan, February 2022, "Real Time and Effective High Speed Data Acquisition System in IOT Environment Using SN", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*.
	10. R.Pavaiyarkarasi, Dr.Roop Raj, Dr.N.Divya Bharathi, Dr.Brijesh Sathian, **T.D.Subha**, Saranya G, Dr.P.Prakash, February 2022, "A Portable Assistive device for Blind, Dumb and Deaf people using AI", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*.
	11. Dr.S.Joshua Kumaresan, Dr.Sathian Dananjayan, Dr.Jayakumar L, Dr.V.Prithivirajan, Dr.R.Suganthi, Shobana D, Devi Sulakshana D, **T.D.Subha**, Darwin Nesakumar A, S.Balaji, January 2022, "AI and IoT based Smart Energy and power management system by using Rasperry pi", published in *Indian Patent Advanced Search System* published in *Indian Patent Advanced Search System*.
	12. Aruchamy Prasanth, Thangavelu Muthumanickam, **Thankamony Devakhi Subha**, Karuppanasamy Kavitha, Sankaranarayanan Lavanya, Murugeshan Bhavadharini,

	Ansar Ibrahim Sonya, Raja Vaishnavi, 2022, "A System for Detecting Fault in a Network and Performing Recovery Management and a Method Thereof", **Granted** in Republic of South Africa.
	13. P.Neelaveni, V.Kumaresan, Selciya Selvan, Dolly Irene.J, A.C.Shagar, **Subha.T.D**, M.Benisha, January 2023, "A Cognitive IoT Smart Surveillance Framework for Cloud Behaviour Analysis" published in Indian Patent Advanced Search System published in Indian Patent Advanced Search System.
	14. **Subha.T.D**, Dr.Arunachalaperumal.C, February 2023, "Hybrid Perovskite Solar Cell System" received Certificate of Registeration of Design from Intellectual Property India Patents/Design/Trade Marks Geographical Indications.
Professional Memberships	Count : 7
	• As a member of The Institution of Engineers (IEI), M-1745772 • As a member of The Institution of Electronics and Telecommunication Engineers (IETE), M-502747 • As a member of Indian Society for Technical Education (ISTE), LM-132505 • As a full professional member of International Association of Educators and researchers. • As an annual member of International Organization of Scientific Research and Development. • As a member of IAENG - Member Number: 335548 • As a lifetime Member of Scientific Publishing House-SIPH2023056.
Consultancy Projects Completed	Count : 2
Awards Received	Count : 16
	❖ BEST FACULTY AWARD 2023 - The Institution of Engineers ❖ ACADEMIC EXCELLENCE AWARD 2021 - The Institution of Engineers ❖ IETE BEST ISF COORDINATOR 2022 ❖ YOUNG RESEARCHER AWARD-Scientific International Publishing House ❖ BEST PAPER AWARD – International Conference at Bharath Institute of Higher Education and Research, December 2022

	❖ BEST FACULTY ADVISOR AWARD 2022 - The Institution of Engineers ❖ BEST PROJECT AWARD 2021 - The Institution of Engineers ❖ BEST FACULTY AWARD 2021 - The Institution of Engineers ❖ BEST PAPER AWARD – National Level Symposium at Panimalar Institute of Technology, May 2021 ❖ IETE BEST ISF COORDINATOR 2021 ❖ IETE BEST PROJECT MENTOR AWARD 2021 ❖ NATIONAL EDUCATION EXCELLENCE ACHIEVERS AWARD - Navbharat Rashtriya Gyanpeeth, Pune 2021 ❖ Outstanding Participant - IGEN Achiever Medal 2020 ❖ Young Scientist Award – IOSRD 2018 ❖ Certificate of Excellence - Surabhee All India Child Art Exhibition Society, 2021 ❖ Certificate of Excellence in Reviewing - Journal of Engineering Research and Reports, 2020
Research grants Received	NIL
Orchid Link / ID	ID : 0000-0003-2040-948X
Google Scholar Link / ID	ID : pecnomMAAAAJ
Vidwan Link / ID	ID : 234404
Research Gate Link / ID	https://www.researchgate.net/profile/Subha-T-D
Scopus Link / ID	ID : 57197734929