SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE
(Autonomous)

(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai)
Accredited by NAAC with 'A' Grade | NBA (CIVIL. CSE, EEE, MECH)
Gobichettipalayam – 638 455, Erode District, Tamilnadu
Website: www.svhec.com

DEPATRMNET OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PUBLICATION DETAILS

S.No	Academic Year	International Journal	International Conferences / National Conferences	Patent Details	Book / Book Chapter	Total no of Publications
1	2024-2025	02	-	-	02	04
2	2023-2024	22	15	05	02	44
3	2022-2023	01	13	-	-	14
4	2021-2022	03	09	-	-	12
5	2020-2021	02	04	-	-	06
Sub Total		**30**	**41**	**05**	**04**	**80**

Research Publications and Awards (Journals & Books)

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number / Link to website of the Journal
Number of research papers per teacher in the journal notified on UGC website						

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number / Link to website of the Journal
ACADEMIC YEAR 2024-25							
1	An Enhanced LPRAFF with Tri-State Inverter Embedded Non-Clock Gating via the CT-GWO Algorithm	Dr.R.S.KAMALAKANNAN	ECE	IETE Journal of Research	Sep-24	Volume 71, Issue 1	https://doi.org/10.1080/03772063.2024.2403697
2	Optimizing Drone‑Based IoT Base Stations in 6G Networks Using the Quasi‑opposition‑Based Lemurs Optimization Algorithm	Dr.V.SAMINATHAN	ECE	International Journal of Computational Intelligence Systems	Aug-24	Volume 17, article number 218	https://link.springer.com/article/10.1007/s44196-024-00628-z
ACADEMIC YEAR 2023-24							
1	Investigating Strategies and Tools for Optimizing Cloud Costs, Monitoring Resource Usage and Predicting Future Expenses	Dr.R.S.KAMALAKANNAN	ECE	UGC - Samdarshi	Sep-23	ISSN: 2581-3986	http://punjabiacademydelhi.com/publication/admin/uploads/150%2089a5969153104c17ac10b8ef2df3a190.pdf
2	Vehicle Collision Avoidance Detection System Using Mmwave Radar	Dr.R.S.KAMALAKANNAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN 2581-7795	https://www.irjweb.com/viewarticle.php?aid=VEHICLE-COLLISION-AVOIDANCE-DETECTION-SYSTEM-USING-mmWAVE-RADAR
3	Smart Stick for the Visually Impaired Uses SOS Navigation with Ultrasonic Sensors	S.AYISHA	ECE	International Journal of Innovative Science and Research Technology	Sep-23	ISSN No:-2456-2165	https://ijisrt.com/smart-stick-for-the-visually-impaired-uses-sos-navigation-with-ultrasonic-sensors

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number Link to website of the Journal
4	Arduino Based Voice Controlled wheel Chair for Physically challenged Persons	S.AYISHA	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN No 2278-0181 Volume 12, Issue 03 (March 2023)	https://www.ijert.org/arduino-based-voice-controlled-wheel-chair-for-physically-challenged-persons
5	Feasibility Analysis of Health Monitoring Using IOT Enabled Automated Saline Infusion	S.AYISHA	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/research/feasibility-analysis-of-health-monitoring-using-iot-enabled-automated-saline-infusion-IJERTCONV12IS03084.pdf
6	A Smart Borewell Monitor with AI-Enabled ZigBee Technology	S.AYISHA	ECE	UGC - Samdarshi	Sep-23	ISSN: 2581-3986	http://punjabiacademydelhi.com/publication/admin/uploads/162%20A%20Smart%20Borewell%20Monitor%20with%20%20AI.pdf
7	Real Time Attendance Entry using Face detection and Recognition	Dr.V.SAMINATHAN	ECE	IEEE	Dec-23	10.1109/ICSSAS57918.2023.10331751	https://ieeexplore.ieee.org/document/10331751
8	Early Fire Detection System for Electric Vehicle Battery Using Machine Learning and IOT	Dr.V.SAMINATHAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/early-fire-detection-system-for-electric-vehicle-battery-using-machine-learning-and-iot
9	An Effective Industrial Waste Water Management System by Machine Learning and IIOT	Dr.V.SAMINATHAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/an-effective-industrial-waste-water-management-system-by-machine-learning-and-iiot
10	A Novel Approach Integrating IoT and WSN with Predictive Modeling and Optimization for Enhancing Efficiency and Sustainability in Smart Cities	C.ALAKESAN	ECE	Journal of Electrical Systems	Apr-24	ISSN:2228-2237	https://journal.esrgroups.org/jes/article/view/2393

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number / Link to website of the Journal
11	IOT Based Home Automation with Power Management System and Enhanced Security Using Voice Recognition	C.ALAKESAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/iot-based-home-automation-with-power-management-system-and-enhanced-security-using-voice-recognition
12	Wireless Power Transfer System by Using Optical Technology for Electric Vehicles	C.ALAKESAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/wireless-power-transfer-system-by-using-optical-technology-for-electric-vehicles
13	Enhancing Road Safety for School Children Through Smart School Buses	C.ALAKESAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/enhancing-road-safety-for-school-children-through-smart-school-buses#:~:text=It%20introduces%20a%20system%20with,is%20recognized%2C%20thus%20enhancing%20safety.
14	IoT-Enabled Wireless Sensor Networks and Geospatial Technology for Urban Infrastructure Management	K.BALAKRISHNAN	ECE	Journal of Electrical Systems	Apr-24	ISSN:2248-2256	https://journal.esrgroups.org/jes/article/view/2395
15	A Systematic Review of Wearable Devices for Orientation and Mobility of Adults with Visual Impairment and Blindness	K.BALAKRISHNAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/a-systematic-review-of-wearable-devices-for-orientation-and-mobility-of-adults-with-visual-impairment-and-blindness
16	Embedded Based Vibration Motor Using Deaf and Dumb Peoples	K.BALAKRISHNAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/embedded-based-vibration-motor-using-deaf-and-dumb-peoples

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number. Link to website of the Journal
17	An Intelligent Smart Farming Using AI and IOT	M.GOBALAKRISHNAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/an-intelligent-smart-farming-using-ai-and-iot
18	IOT Based smart Helmet for two wheelers applications	M.GOBALAKRISHNAN	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/iot-based-smart-helmet-for-two-wheeler-application
19	Smart Soil Fertilizer Monitoring and Crop Recommendation System by Using IOT and Machine Learning Technology	M.SUNANDINI	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/smart-soil-fertilizer-monitoring-and-crop-recommendation-system-by-using-iot-and-machine-learning-technology
20	Smart Industrial Level Gas Leakage Detection System Using AI & IOT	M.SUNANDINI	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/smart-industrial-level-gas-leakage-detection-system-using-ai-iot
21	IOT Based Smart Water Management System with Machine Learning	G.S.NANDHINI	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/iot-based-smart-water-management-system-with-machine-learning
22	Crop Protection and Monitoring from Animal Attacks Using IOT Sollutions	G.S.NANDHINI	ECE	International Journal of Engineering Research & Technology (IJERT)	May-24	ISSN:2278-0181	https://www.ijert.org/crop-protection-and-monitoring-from-animal-attacks-using-iot-sollutions

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number Link to website of the Journal
ACADEMIC YEAR 2022-23							
1	Finely Tuned Model For Prognosis of Covid_19 Using LSTM_FS"MUK Publications and Distributions	Dr.R.S.KAMALAKANNAN	ECE	UGC- CARE LIST-I	Apr-22	ISSN No : 0972-3641	https://www.mukpublications.com/resources/SMA%20Vol.%2026%20No.%203%20(January%20-%20June%2C%20Special%20Issue%202022)%20Part%20-%2012-1.pdf
ACADEMIC YEAR 2021-22							
1	Identification of Features to Analyze the Autism Spectrum Disorder Using Electroencephalography	P.P.JANARTHANAN	ECE	Design Engineering	2021	ISSN 0011-9342	https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=c_3lXt4AAAAJ&citation_for_view=c_3lXt4AAAAJ:eQOLeE2rZwMC
2	Pearson Hashing B-Tree With Self Adaptive Random Key Elgamal Cryptography For Secured Data Storage And Communication In Cloud	Dr.R.S.KAMALAKANNAN	ECE	Scopus	2021	ISSN No : 1735-188X	https://www.webology.org/abstract.php?id=4733
3	Certain Investigations on an Electroencephalogram (EEG) Montaging and Remontaging	P.P.JANARTHANAN	ECE	Design Engineering	2021	ISSN 0011-9342	https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=c_3lXt4AAAAJ&citation_for_view=c_3lXt4AAAAJ:WF5omc3nYNoC

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number Link to website of the Journal
				ACADEMIC YEAR 2020-21			
1	Low power asynchronous Viterbi decoder using hybrid register exchange method	C.ALAKESAN	ECE	International Journal of Advanced Science and Engineering Research	Apr-21	ISSN 2455-9288	https://www.ijaser.in/journals/view/volume6/issue1/low-power-asynchronous-viterbi-decoder-using/868
2	VLSI architecture of real valued serial Pipe Lined FFT	R.S.KAMALAKANNAN	ECE	International Journal of Advanced Science and Engineering Research	Apr-21	ISSN 2455-9288	https://mail.ijaser.in/journals/view/volume6/issue1/vlsi-architectureof-real-valued-serial-pipe-lined/867

Number of Conference Attended by our faculty members during the last five years

				Academic Year 2023-2024		
S.No	Academic Year	Faculty Name	Conference Title	Paper Title	Organized by	Date
1	2023-2024	Dr.V.Saminathan	Published International Conference on Electrical Electronics and Communication Technology ICEECT'24	An Effective Industrial Wastewater Management System Using Machine Learning And Iot	Peri Institute of Technology	27.04.2024
2	2023-2024	Dr.R.S.Kamalakannan	Published International Conference on Electrical Electronics and Communication Technology ICEECT'24	Arduino Based Voice Controlled Wheel Chair For Physically Challenged Persons	Peri Institute of Technology	27.04.2024
3	2023-2024	C.Alakesan	Published in 6th International Conference on Recent Advances in Science, Engineering and Technology ICRASET	IoT Based Home Automation With Power Management System And Enhanced Security With Voice Recognititon	Arjun College of Technology	12.04.2024 to 13.04.2024
4	2023-2024	C.Alakesan	Published in 6th International Conference on Recent Advances in Science, Engineering and Technology ICRASET	Wireless Power Transfer System By Using Optical Technology For Electric Vehicle	Arjun College of Technology	12.04.2024 to 13.04.2024
5	2023-2024	C.Alakesan	Published in 6th International Conference on Recent Advances in Science, Engineering and Technology ICRASET	Enhancing Road Safety For School Children Through Smart School Buses	Arjun College of Technology	12.04.2024 to 13.04.2024
6	2023-2024	S.Ayisha	Published in 6th International Conference on Recent Advances in Science, Engineering and Technology ICRASET	Feasibility Analysis Of Health Monitoring Using Iot Enabled Automated Saline Infusion	Arjun College of Technology	12.04.2024 to 13.04.2024
7	2023-2024	S.Ayisha	Published in 6th International Conference on Recent Advances in Science, Engineering and Technology ICRASET	Arduino Based Voice Controlled Wheel Chair For Physically Challenged Persons	Arjun College of Technology	12.04.2024 to 13.04.2024
8	2023-2024	K.Balakrishnan	Published International Conference on Electrical Electronics and Communication Technology ICEECT'24	Embedded Based Vibration Motor Using Deaf And Dumb Peoples	Peri Institute of Technology	27.04.2024
9	2023-2024	K.Balakrishnan	Published Published in 6th International Conference on Recent Advances in Science, Engineering and Technology ICRASET	A Systematic Review Of Wearable Devices For Orientation And Mobility Of Adults With Visual Impairment And Blindness	Arjun College of Technology	12.04.2024 to 13.04.2024
10	2023-2024	G.S.Nandhini	Published International Conference on Electrical Electronics and Communication Technology ICEECT'24	IoT based Smart Water Management system with Machine Learning	Peri Institute of Technology	27.04.2024
11	2023-2024	G.S.Nandhini	Published International Conference on Electrical Electronics and Communication Technology ICEECT'24	Crop Protection And Monitoring From Animal Attacks Using IoT Solutions	Peri Institute of Technology	27.04.2024
12	2023-2024	M.Sunandini	Published in 6th International Conference on Recent Advances in Science, Engineering and Technology ICRASET	Smart Industrial Level Gas Leakage Detection System Using Ai And IoT	Arjun College of Technology	12.04.2024 to 13.04.2024
13	2023-2024	M.Sunandini	Published International Conference on Electrical Electronics and Communication Technology ICEECT'24	Smart Soil Fertilizer Monitoring And Crop Recommendation System By Using Iot And Machine Learning Technology	Peri Institute of Technology	27.04.2024
14	2023-2024	M.Gobalakrishnan	Published International Conference on Innovations and Technological Development in Electronics, Computers and Communication ITDECC-2024	An Intelligent Smart Farming System Using Ai and IoT	SRM Institute of Science and Technology	02.05.2024 to 03.05.2024
15	2023-2024	M.Gobalakrishnan	Published International Conference on Innovations and Technological Development in Electronics, Computers and Communication ITDECC-2024	IoT based smart helmet system for two wheeler applications	SRM Institute of Science and Technology	02.05.2024 to 03.05.2024

Academic Year 2022-2023

S.No	Academic Year	Faculty Name	Conference Title	Paper Title	Organized by	Date
1	2022-2023	Dr.R.S.Kamalakannan	Published National Conference on Innovative Smart technologies in Engineering and Management Sciences	Electric vehicle Battery monitoring system with charge monitor and temperature detector through battery optimizer	Excel Engineering College	06.04.2023
2	2022-2023	Dr.R.S.Kamalakannan	Published National Conference on Paradigm shift in Embedded Communication Artificial Intelligence & Robotics	Low power Design in Memristor Based Applications	Jai Shriram Engineering College	17.03.2023
3	2022-2023	Dr.R.S.Kamalakannan	NCACGET-2022	Advanced Communication and New Energy Generation Technologies 2022	Bharath Institute of Higher Education and Research	28.07.2022
4	2022-2023	Dr.V.Saminathan	Published National Conference on Innovative Smart technologies in Engineering and Management Sciences	Electric vehicle Battery monitoring system with charge monitor and temperature detector through battery optimizer	Excel Engineering College	06.04.2023
5	2022-2023	Dr.V.Saminathan	Published National Conference on Paradigm shift in Embedded Communication Artificial Intelligence & Robotics	Low power Design in Memristor Based Applicatons	Jai Shriram Engineering College	17.03.2023
6	2022-2023	S.Ayisha	Published National Conference on Innovative Smart technologies in Engineering and Management Sciences	Smart Borewell Child monitoring system with AI-Enabled Wireless Technology	Excel Engineering College	06.04.2023
7	2022-2023	S.Ayisha	Published National Conference on Paradigm shift in Embedded Communication Artificial Intelligence & Robotics	EDA tools and methodologies for IC Design	Jai Shriram Engineering College	17.03.2023
8	2022-2023	C.Alakesan	Published National Conference on Innovative Smart technologies in Engineering and Management Sciences	Data transfer using LIFI	Excel Engineering College	06.04.2023
9	2022-2023	C.Alakesan	Published National Conference on Paradigm shift in Embedded Communication Artificial Intelligence & Robotics	Clock delayed Dual keeper Domino logic style using High speed Enhancement Techniques	Jai Shriram Engineering College	17.03.2023
10	2022-2023	K.Balakrishnan	Published National Conference on Paradigm shift in Embedded Communication Artificial Intelligence & Robotics	Clock delayed Dual keeper Domino logic style using High speed Enhancement Techniques	Jai Shriram Engineering College	17.03.2023
11	2022-2023	K.Balakrishnan	Published National Conference on Innovative Smart technologies in Engineering and Management Sciences	Green house monitoring and controlling system using IoT	Excel Engineering College	06.04.2023
12	2022-2023	M.Sunandini	Published National Conference on Innovative Smart technologies in Engineering and Management Sciences	Voice Controlled Robot using Artificial Intelligence	Excel Engineering College	06.04.2023
13	2022-2023	G.S.Nandhini	Published National Conference on Paradigm shift in Embedded Communication Artificial Intelligence & Robotics	EDA tools and methodologies for IC Design	Jai Shriram Engineering College	17.03.2023

Academic Year 2021-2022

S.No	Academic Year	Faculty Name	Conference Title	Paper Title	Organized by	Date
1	2021-2022	C.Alakesan	Published National Conference on Emerging Trends in Engineering Design and Manufacturing ETEDM-22	IoT Based Industrial Pollution Monitoring System	Hindusthan Institute of Technology	15.06.2022 to 16.06.2022
2	2021-2022	C.Alakesan	Published National Conference on Emerging Trends in Engineering Design and Manufacturing ETEDM-22	Wireless Data Transferring Of Pulse Monitoring And Tracking System	Hindusthan Institute of Technology	15.06.2022 to 16.06.2022
3	2021-2022	S.Ayisha	Published National Conference on Emerging Trends in Engineering Design and Manufacturing ETEDM-22	Smart Intelligent Vehicle	Hindusthan Institute of Technology	15.06.2022 to 16.06.2022
4	2021-2022	S.Ayisha	Published National Conference on Emerging Trends in Engineering Design and Manufacturing ETEDM-22	Design And Deverlopment Smart Agriculture Technique Using IoT	Hindusthan Institute of Technology	15.06.2022 to 16.06.2022
5	2021-2022	K.Balakrishnan	Published National Conference on Emerging Trends in Engineering Design and Manufacturing ETEDM-22	Motion And Detection Based Security System Using Rasbperrypi	Hindusthan Institute of Technology	15.06.2022 to 16.06.2022
6	2021-2022	K.Balakrishnan	Published National Conference on Emerging Trends in Engineering Design and Manufacturing ETEDM-22	Ultrasonic Sensor Based Smart Walking Stick For Blind Integrated With Sos Navigation System	Hindusthan Institute of Technology	15.06.2022 to 16.06.2022
7	2021-2022	G.S.Nandhini	Published National Conference on Emerging Trends in Engineering Design and Manufacturing ETEDM-22	Voice Control Wheel Chair For Physically Chalanged Persons And Accident Prevention Using Arduino	Hindusthan Institute of Technology	15.06.2022 to 16.06.2022
8	2021-2022	G.S.Nandhini	Published National Conference on Emerging Trends in Engineering and Technology	Solar panel Monitoring and maintenance systems using IoT	Nandha College of Technology	12.05.2022
9	2021-2022	D.Ragavi	Vehicle Safety System With Driver Assistance And IoT Communication	Smart Vehicle Automation With Black Box Using Iot	Hindusthan Institute of Technology	15.06.2022 to 16.06.2022

S.No	Academic Year	Faculty Name	Conference Title	Paper Title	Organized by	Date
			Academic Year 2020-2021			
1	2020-2021	Dr.R.S.Kamalakannan	International conference on Advanced Science and Engineering Reserch-ASER-21	VLSI Architecture of real valued serial pipelined FFT	Al-Ameen Engineering College	16.04.2021
2	2020-2021	R.Prabhakaran	International conference on Advanced Science and Engineering Reserch-ASER-21	VLSI implementation of high speed programmable duty cycle corrector for all digital application	Al-Ameen Engineering College	16.04.2021
3	2020-2021	S.Ayisha	International conference on Advanced Science and Engineering Reserch-ASER-21	Low power Asynchronous Viterbi decoder using Hybrid register Exchange Method	Al-Ameen Engineering College	16.04.2021
4	2020-2021	P.Gopalakrishnan	International conference on Advanced Science and Engineering Reserch-ASER-21	Design of Reversible Mac Unit,Shift And Add Multiplier Using Psdrm Technique	Al-Ameen Engineering College	16.04.2021

S.No	Academic Year	Faculty Name	Conference Title	Paper Title	Organized by	Date
1	2020-2021	Dr.R.S.Kamalakannan	International conference on Advanced Science and Engineering Reserch-ASER-21	VLSI Architecture of real valued serial pipelined FFT	Al-Ameen Engineering College	16.04.2021
2	2020-2021	R.Prabhakaran	International conference on Advanced Science and Engineering Reserch-ASER-21	VLSI implementation of high speed programmable duty cycle corrector for all digital application	Al-Ameen Engineering College	16.04.2021

SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE
(Autonomous)
(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai)

Accredited by NAAC with 'A' Grade | NBA (CIVIL. CSE, EEE, MECH)

Gobichettipalayam – 638 455, Erode District, Tamilnadu

Website: www.svhec.com

Details of Patent Publications

S. No	Author Name	Title of the invention	Detail of the patent	Application Number/ Design Number	Filling Date	Published Date
Academic Year 2023-2024						
1	Dr.V.Saminathan	System and method for designing a Hybrid memristor-cmos nonvolatile random access memory cell and Architecture with Sneak current control	Design Patent	201741037292	23.02.2018	16.10.2023
2	Ms.S.Ayisha	Smart Tablet Vending Machine	Design Patent	388995-001	24.06.2023	23.08.2023
3	Ms.M.Sunandini	AI based smart walking stick for visually impaired	Design Patent	397577-001	14.10.2023	30.11.2023
4	Dr.V.Saminathan Dr.R.S.Kamalakannan Mr.C.Alakesan Mr.K.Balakrishnan	A secure and Efficient Handover Authentication Framework in VANET	Design Patent	-	25.01.2024	-
5	Dr.V.Saminathan Dr.R.S.Kamalakannan Ms.S.Ayisha Ms.M.Sunandini	Machine learning and AI based Humanoid Device for Object Identification	Design Patent	-	25.01.2024	-

ORIGINAL
क्रम सं/ Serial No. : 142559

पेटेंट कार्यालय, भारत सरकार **The Patent Office, Government Of India**

डिजाइन के पंजीकरण का प्रमाण पत्र | **Certificate of Registration of Design**

डिजाइन सं. / Design No.	:	388995-001
तारीख / Date	:	24/06/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *SMART TABLET VENDING MACHINE* से संबंधित है, का पंजीकरण, श्रेणी 20-01 में 1.Dr. R. Senthil Kumar 2. Dr. S. Gokulraj 3.Dr. S. Kayalvili 4.Mr. J. Senthil 5.Ms. S. Ayisha के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 20-01 in respect of the application of such design to *SMART TABLET VENDING MACHINE* in the name of 1.Dr. R. Senthil Kumar 2. Dr. S. Gokulraj 3.Dr. S. Kayalvili 4.Mr. J. Senthil 5.Ms. S. Ayisha.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

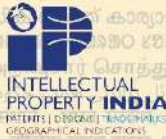जारी करने की तिथि / Date of Issue : 23/08/2023

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

क्रम सं/SL No :044162707

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

पेटेंट कार्यालय,भारत सरकार **The Patent Office, Government Of India**

पेटेंट प्रमाण पत्र | **Patent Certificate**

(पेटेंट नियमावली का नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.	459458
आवेदन सं. / Application No.	201741037292
फाइल करने की तारीख / Date of Filing	23/02/2018
पेटेंटी / Patentee	1.K.Paramasivam 2.V.Saminathan

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *SYSTEM AND METHOD FOR DESIGNING A HYBRID MEMRISTOR-CMOS NONVOLATILE RANDOM ACCESS MEMORY CELL AND ARCHITECTURE WITH SNEAK CURRENT CONTROL* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख फरवरी 2018 के तेइसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *SYSTEM AND METHOD FOR DESIGNING A HYBRID MEMRISTOR-CMOS NONVOLATILE RANDOM ACCESS MEMORY CELL AND ARCHITECTURE WITH SNEAK CURRENT CONTROL* as disclosed in the above mentioned application for the term of 20 years from the 23rd day of February 2018 in accordance with the provisions of the Patents Act,1970.

अनुदान की तारीख :
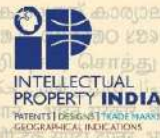Date of Grant : 16/10/2023

पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, फरवरी 2020 के तेइसवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 23rd day of February 2020 and on the same day in every year thereafter.

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पेटेंट कार्यालय, भारत सरकार　**The Patent Office, Government Of India**

डिजाइन के पंजीकरण का प्रमाण पत्र　|　**Certificate of Registration of Design**

डिजाइन सं. / Design No.	:	397577-001
तारीख / Date	:	14/10/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *AI BASED SMART WALKING STICK FOR VISUALLY IMPAIRED* से संबंधित है, का पंजीकरण, श्रेणी 03-03 में 1.Dr.R.Senthil Kumar 2. Dr. S.Prakasam 3.Mrs. S.Mahalakshmi 4.P Sudarsan 5.Ms.M.Sunandini के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 03-03 in respect of the application of such design to *AI BASED SMART WALKING STICK FOR VISUALLY IMPAIRED* in the name of 1.Dr.R.Senthil Kumar 2. Dr. S.Prakasam 3.Mrs. S.Mahalakshmi 4.P Sudarsan 5.Ms.M.Sunandini.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :
Date of Issue : 30/11/2023

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
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Details of Book / Book Chapters Publications:

S.No	Name of the Faculty	Title of the Book	Book/ Book chapter Details	Year & Month	Publication details
1	Ms.G.Revathi	Data and Information Security	Book	Feb 2025	ISBN : 978-93-6260-402-6
2	Mr.C.Alakesan	Data Exploration and Visualization	Book	Oct 2024	ISBN : 978-93-6260-780-5
3	Ms.S.Ayisha	Impact and Implications of Cyber security	Book Chapter	Apr 2024	ISBN : 978-93-6252-246-7
4	Ms.M.Sunandini	Artificial Intelligence and Machine Learning	Book	May 2024	ISBN : 978-81-973428-9-9