


FACULTY PROFILE

Name of Teaching Staff / RMK ID	A. Sivakumar T0638			
Designation	Assistant Professor Gr II			
Department	Electronics and Communication Engineering			
Date of Joining the Institution	20-05-2011			
Qualifications	(Ph.D)	M.E	B.E	
Total Experience	Overall : 15 Year		in RMK : 12 Years	
Papers Published in Journal	Overall : 13		After Joining RMK : 13	
List of Papers Published	<ul style="list-style-type: none"> ➤ "A Robust and Novel Hybrid Deep Learning based Lung Nodule Identification on CT Scan Images" published in Scopus Indexed IEEE International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Chennai, India, 2023, pp. 1-8, April 2023. doi: 10.1109/ICECONF57129.2023.10083700. ➤ "Wifi based Low Power Consumption Home Automation" published in Scopus Indexed Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 3, June 2021. ➤ "Lung Cancer Detections using Deep Learning" published in Scopus Indexed Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 3, June 2021. ➤ "An Artificial Intelligence Based Advanced Shrimp Farming" published in Scopus Indexed European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 7, Issue 4, December 2020. ➤ "Ergonomic heavy-lift pesticide dispeller drone instilled with an intelligent atomizer to achieve optimal spray and improved pest control" published in Scopus Indexed European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 7, Issue 4, December 2020. 			

- **“Design of Novel Plastic Solar Cells Involving Nanotechnology and Screen-Printing Technique for Maximum Energy Harness”** published in Scopus Indexed European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 7, Issue 4, December 2020.
- **“LDPC Based Hardware Trojan Detection”** published in Scopus Indexed European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 7, Issue 4, December 2020.
- **“Autonomous Standalone Fire Engine With Lidar-ROS”** published in Scopus Indexed European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 7, Issue 4, December 2020.
- **“Opinion Mining on Customer Product Reviews Using Supervised Machine Learning Techniques”** published in Scopus Indexed European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 7, Issue 4, December 2020.
- **“Vehicular Speed Regulation through Autonomous Braking System Embedded with Smart Insurance Facility using IoT”** published in **Scopus Indexed** International Journal of Recent Technology and Engineering (**IJRTE**), ISSN: 2277-3878, Volume 8, Issue 5, January 2020
- **“Implementation of Novel Image Restoration Technique from High Density Impulse Noise through Adaptive Max-Min Filter”** published in **Scopus Indexed** International Journal of Innovative Technology and Exploring Engineering (**IJITEE**), ISSN: 2278-3075, Volume 9, Issue 2, December 2019
- **“Deep Reinforcement Learning Based Weather Monitoring System using Arduino for Smart Environment”** published in **Scopus Indexed** International Journal of Recent Technology and Engineering (**IJRTE**), ISSN: 2277-3878, Volume 8, Issue 4, November 2019.
- Publication of manuscript entitled **“Implementation of Hi-Tech Vertical Farming & Solar Fence Security with Voice**

	Feedback System” in International Research Journal of Engineering and Technology (IRJET) on Volume 6 Issue 3 March 2019.	
Patents	Published Count : 01	Granted Count : Nil
	List : 1. Automated IRIS Recognition Based Authentication and Gender Classification using Neural Network for Cyber Security Investigation.	
Professional Memberships	Count : 03	
	List : 1. ISTE 2. BES 3. ICASIT	
Consultancy Projects Completed	Count : 02	
Awards Received	Count : 02	
	List : 1. Gold Medal for B.E ECE 2. Best all-rounder Award for M.E Applied Electronics	
Orchid Link / ID	https://orcid.org/0000-0003-0687-6348	
Google Scholar Link / ID	https://scholar.google.com/citations?user=SegQCZwAAAAJ&hl=en	
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/305362	
Research Gate Link / ID	https://www.researchgate.net/profile/Sivakumar-A-2	
Scopus Link / ID	https://www.scopus.com/dashboard.uri	