


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Mr.R.Sathya Vignesh/ T0758		
Designation	Assistant Professor		
Department	ECE		
Date of Joining the Institution	01.12.2012		
Qualifications	M.E (VLSI Design)	B.E (ECE)	
Total Experience	Overall : 10 years 6 months	in RMK : 10 years 6 months	
Papers Published in Journal	Overall : 18	After Joining RMK : 14	
List of Papers Published	<ol style="list-style-type: none"> 1. R. Sathya Vignesh, P. Vinayagam, S. Gomathi, S. Jaanaa Rubavathy, Indumathi, T. Muthamizhan, "GSM Based Electrical Load Control System for Home Applications" 2022 International Conference on Computer, Power and Communications (ICCCPC) 2. R.Sathya Vignesh, Arun Kumar S, T. M. Amirthalakshmi, P. Delphy, J.R. Arunkumar, S. Kamatchi, "An Efficient and Intelligent Systems for Internet of Things Based Health Observance System for Covid 19 Patients" International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), 2023 3. R. Sathya Vignesh, Akkem Vigneswara Reddy ,Billu Mohankrishna, E.B.Viswanath Reddy, J.Yogapriya, "Cerebrum Lesion Detection using a robust Variational Autoencoder and Move Learning using FCM and ACM" Vol. 12 No. 3 (2021) 4. Mr .R. Sathya Vignesh, Mr .Ritheesh R, Mr .RaghulKanna V, Mr .Manjunath S, Ms.J.Yogapriya, "Smart Book Using Augmented Reality" Vol. 12 No. 3 (2021) 		

5. **R.Sathya Vignesh**, A.Sivakumar, M.Shyam, J. Yogapriya, "Deep Reinforcement Learning Based Weather Monitoring System using Arduino for Smart Environment" Nov 2019 Volume-8 Issue-4 International Journal of Recent Technology and Engineering (ISSN:2277-3878)
6. M. Shyam, **R. SathyaVignesh**, A. Sivakumar, J. Yogapriya, "Vehicular Speed Regulation through Autonomous Braking System Embedded with Smart Insurance Facility using IOT" International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-5, January 2020 (ISSN:2277-3878)
7. A. Sivakumar, M. Shyam, **R.Sathya Vignesh**, J.Yogapriya, "Implementation of Novel Image Restoration Technique from High Density Impulse Noise through Adaptive Max-Min Filter" in International Journal of Innovative Technology and Exploring Engineering at Volume-9 Issue-2, December 2019. (ISSN:2278-3075)
8. S.Jagadeesh Babu; M. Shyam; A. Sivakumar; **R. SathyaVignesh**; J. Yogapriya, "Ergonomic heavy-lift pesticide dispeller drone instilled with an intelligent atomizer to achieve optimal spray and improved pest control" European Journal of Molecular & Clinical Medicine, 2020, Volume 7, Issue 4, Pages 1308-1313 (ISSN 2515-8260)
9. **Sathya Vignesh R**; Sivakumar A; Shyam M; Jagadeesh Babu S; Yogapriya J, "LDPC BASED HARDWARE TROJAN DETECTION" European Journal of Molecular & Clinical Medicine, 2020, Volume 7, Issue 4, Pages 1383-1388 (ISSN 2515-8260)
10. Mr. M. Shyam; **Mr. R.Sathya Vignesh**; Mr.

S.Jagadeesh Babu; Mr.A. Sivakumar; Ms. J. Yogapriya, Design of Novel Plastic Solar Cells Involving Nanotechnology and Screen-Printing Technique for Maximum Energy Harness, *European Journal of Molecular & Clinical Medicine*, 2020, Volume 7, Issue 4, Pages 1389-1401 (ISSN 2515-8260)

11. Sivakumar A; Jagadeesh Babu S; **Sathya Vignesh R;** Shyam M; Yogapriya J “Opinion Mining on Customer Product Reviews Using Supervised Machine Learning Techniques”, *European Journal of Molecular & Clinical Medicine*, 2020, Volume 7, Issue 4, Pages 1402-1412 (ISSN 2515-8260)

12. S.Jagadeesh Babu; M. Shyam; A. Sivakumar; **R. SathyaVignesh;** J. Yogapriya, “AN ARTIFICIAL INTELLIGENCE BASED ADVANCED SHRIMP FARMING” in *European Journal of Molecular & Clinical Medicine*, 2020, Volume 7, Issue 4, Pages 2383-2390 (ISSN 2515-8260)

13. **Sathya Vignesh R;** Vaishnavi.R. G; G. Aravind; G. SreeHarsha; B. HariKrishnaReddy; Yogapriya J, “IOT based urban surveillance using RaspberryPi and Deep learning with Mobile-Net Pre-trained model” in *European Journal of Molecular & Clinical Medicine*, 2020, Volume 7, Issue 4, Pages 2473-2477 (ISSN 2515-8260)

14. Sivakumar A; Jagadeesh Babu S; **Sathya Vignesh R;** Shyam M; Yogapriya J “AUTONOMOUS STANDALONE FIRE ENGINE WITH LIDAR-ROS” in *European Journal of Molecular & Clinical Medicine*, 2020, Volume 7, Issue 4, Pages 2494-2498 (ISSN 2515-8260)

	<p>15. R.Sathya Vignesh and S.Saranya Devi; “VLSI Implementation of Barrel Distortion Correction in Endoscopic Images based on Least Squares Estimation” <i>International Journal of Pharmacology and Pharmaceutical Technology</i>:Vol.1:Iss.1 (ISSN: 2277 – 3436)</p> <p>16. R.Sathya Vignesh & S.Saranya Devi, “VLSI Implementation of Barrel distortion correction in Endoscopic Images” in International Conference [AEEICB-2012]</p> <p>17. R.Sathya Vignesh & S.Saranya Devi, “VLSI Implementation of Barrel distortion correction in Wide-angle Camera Images based on Least Squares estimation” in International Conference [ICON-12] at Government College of Engineering, Salem.</p> <p>18. R.Sathya Vignesh and P.Selva Kumar, “A Solution for Profit Based Unit Commitment based on Shuffled Frog Leaping Algorithm” in IEEE Conference [ICCCA-2012] at PSNA College of Engineering and Technology.</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 4	After Joining RMK : 3
Ph.Ds / Projects Guided	Ph.Ds Guided :	Student Projects Guided : 18
Books Published :	Count : Nil	
	List : Nil	
Patents	Published Count : 1	Granted Count : Nil
	List : 1. METHOD FOR PREDICTIVE LOAD BALANCING IN CLOUD SERVICES	
Professional Memberships	Count : 2	
	List : IETE & ISTE	
Consultancy Projects Completed	Count : 3	

Awards Received	Count : Nil
	List : --
Research grants Received	Nil
Orchid Link / ID	ID : 0000-0001-9326-6243
Google Scholar Link / ID	ID : CzAVPOwAAAAJ
Vidwan Link / ID	ID : 305368
Research Gate Link / ID	https://www.researchgate.net/profile/Sathya-Vignesh
Scopus Link / ID	ID : Nil