


FACULTY PROFILE

Name of Teaching Staff / RMK ID	R.PAVAIYARKARASI / T1024			
Designation	Assistant Professor			
Department	ECE			
Date of Joining the Institution	21.02.2020			
Qualifications	B.E.	M.E		
Total Experience	Overall : 17 .1		in RMK : 2.8	
Papers Published in Journal	Overall : 15		After Joining RMK : 10	
List of Papers Published	<ol style="list-style-type: none"> 1. A comparative study of classification of machine learning algorithm for depression disorder: A review Meenakshi Shunmugam, R. Pavaiyarkarasi, E. Seethalakshmi, 2. Implementation of Brain Controlled Robotic Car to Assist Paralytic and physically Challenged People by Analyzing EEG Signals S. Mahaboob Basha¹ Gayathri. R² Anjana. J³ Joy Sharon. J⁴ R. Pavaiyarkarasi⁵ J. Navin Sankar⁶ E-Mail: smb.ece@rmkec.ac.in R.M.K. Engineering College¹ 2 3 4 5 Entuple Technologies⁶ 3. A Low-Cost Effective Contrast Therapy using Controlled Peltier Effect. R. Pavaiyarkarasi, V. Sasikala, S. Nithyaselvakumari, M. Yogalakshmi, S. Udhayasankar 4. A Non-Invasive Hearing Aid Using Gsm Module R. Pavaiyarkarasi¹ , S. Nithyaselvakumari² , Dr. B A Gowri Shankar³ , Dr.M.C. Jobin Christ⁴ , Udhayasankar⁵ 5. Smart bi-facial solar inverter with effective charging system R.Pavaiyarkarasi¹*K.Vadivukkarasi²*P.Vijayakumar³*K.Praveen⁴*R.Nandakumar⁵*N.Rajesh Kumar⁶ 			

	<p>6. A Productive Feature Selection Criterion for Bot-IoT Recognition based on Random Forest Algorithm Pavaiyarkarasi R.;Manimegalai T.;Satheeshkumar S.;Dhivya K.;Ramkumar G.</p> <p>7. Smart internet of vehicle maintenance system P Anusha, SK Shabanabegum, R Pavaiyarkarasi, E Seethalakshmi, K Vadivukkarasi, P Vijayakumar</p> <p>8. An automated irrigation system for optimized greenhouse using IoT E.Seethalakshmi^a MeenakshiShunmugam^a R.Pavaiyarkarasi ^aSnehaJoseph^a J.Edward paulraj^b</p> <p>9. Image processing by CORDIC processing unit: A computer vision perspective R Pavaiyarkarasi^aESeethalakshmi^aRPartheepan^aPAnusha^aS KShabana Begum^a</p> <p>10. Implementation of Brain Controlled Robotic Car to Assist Paralytic and physically Challenged People by Analyzing EEG Signals S. Mahaboob Basha¹ Gayathri. R² Anjana. J³ Joy Sharon. J⁴ R. Pavaiyarkarasi⁵ J. Navin Sankar⁶</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 4	After Joining RMK : 2
Ph.Ds / Projects Guided	Ph.Ds Guided :	Student Projects Guided : 9
Books Published :	<p>Count :1</p> <p>List : Electronic Devices and Circuits</p>	
Patents	Published Count : 3	Granted Count :

	<p>1.Cloud Based Secured Data Transmission Using Trapdoor Encryption</p> <p>1)Mrs. Thirupurasundari D R 2)Dr. Suma Sira Jacob 3)Dr A.Hemlathadhevi 4)Mrs. V. Vijayalakshmi 5)Dr. K. Anand 6)Ms.R.Pavaiyarkarasi 7)Mr.C Ramesh Kumar 8)Dr. Dasari Kiran Kumar 9)Mr. Biswadip Basu Mallik</p> <p>2. Detection Of Glaucoma Using Image Processing</p> <p>1)Dr. A. Narasima Venkatesh 2)Dr. B.Gopinath 3)Dr. Ajay Singh Yadav 4)Dr. A. Govindarajan 5)Ms. R.Pavaiyarkarasi 6)Dr.Revanna C R 7)Mr. M. Sreenandan Reddy 8)Dr.Krishna Kumar.N.J 9)Dr. Rajesh Dodiya 10)Mr. P Ramesh Naidu</p> <p>3. Portable Assistive device for Blind, Dumb and Deaf people Using AI</p> <p>1)R. Pavaiyarkarasi , 2)Dr. Roop Raj 3)Dr. N. Divya Bharathi 4)Dr. Brijesh Sathian 5)Ms. T.D.Subha 6)Ms. Saranya G 7)Dr.P.Prakash</p>
Professional Memberships	<p>Count : 4</p> <p>List :</p> <ol style="list-style-type: none"> 1. IEANG Life Member 2. ISTE LM 132504 3. NITTSD Life Member - NITTSD /15916 4. IETE M-235397
Consultancy Projects Completed	<p>Count : 1 DUAL AXIS SOLAR ENERGY GENERATOR</p>
Awards Received	<p>Count : 4</p> <p>List :</p> <p>Certificate of Appreciation NPTEL – Swayam</p> <p>IEI Best Project Award</p> <p>Best Faculty Award T.J.S. Engineering College</p>

	Best Paper Award
Research grants Received	
Orchid Link / ID	ID : 0000-0003-2086-5282
Google Scholar Link / ID	ID : vdljrasAAAAJ
Vidwan Link / ID	ID : 305317
Research Gate Link / ID	ID : AEH-8496-2022
Scopus Link / ID	ID : 57771793800