

FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. J. JASMINE HEPHZIPAH/T0686			
Designation	Associate Professor			
Department	Electronics and Communication (Advanced Communication Technology)			
Date of Joining the Institution	28-12-2011			
Qualifications	B.E/ECE	M.E/APE	Ph.D./I&C	
Total Experience	Overall : 17 YEARS		in RMK : 13 YEARS	
Papers Published in Journal	Overall : 26		After Joining RMK :26	
List of Papers Published	<ol style="list-style-type: none"> 1. Enhancing Battery Management of Electric Vehicles through Bidirectional Charging for Sustainable Mobility Anitha R.;Earshia V.D.;Hephzipah J.J.;Devi A.R.;Murugan K.;Karthika J. International Journal of Intelligent Systems and Applications in Engineering, Volume 12, Year 2024, Pages 154-159 2. Integrating Advanced Machine Learning Techniques for Multi-Class Skin Disease Diagnosis Sarala B.;Suganthy M.;Chebian W.T.;SathyaSri B.;Jasmine Hephzipah J.;Perarasi M.;Akshaya K. 2023 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering, RMKMATE 2023, Volume , Year 2023 3. A 2.4GHz Rectangular Shaped Patch Antenna for ZigBee Application Jasmine Hephzipah J.;Sarala B.;Logeshwaran M.;Kumara Vijay M.G.;Jyoth Varshan M.;Harish S. Proceedings of the 1st IEEE International Conference on Networking and Communications 2023, ICNWC 2023, Volume , Year 2023 4. Design of Mes System for Discrete Manufacturing Based on Rfid Technology Thakur S.;Thangam T.;Hephzipah J.J.;Abbas A.H.R.;Vimala M.;Uma N. 2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, Volume , Year 2023, Pages 1317-1322 5. Improved DASH Architecture for Quality Cloud Video Streaming in Automated Systems Vijayalakshmi, S. , Vishnupriya, S. , Sarala, B. , Jasmine Hephzipah, J. , Pavaiyarkarasi, R. International Journal on Recent and Innovation Trends in Computing and Communication, Volume 11, Year 2023, Pages 32-42 6. Modeling and reverse restoration of ancient ceramic relics based on 3D animation technology Jasmine Hephzipah J.;Al-Jawahry H.M.;Patel N.;Sivakami S.;Shirley Jeeva Malar R.;Aravinda K. 2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, Volume , Year 2023, Pages 195-199 7. Simulation of Stock Market Herd Behavior Evolution Model Based on Improved Particle Swarm Optimization Alkkhayat A.H.;Dwivedi A.;Jasmine Hephzipah J.;Stanley Vincent G.;Sivasubramanian S.;Naik 			

	<p>P.K. 2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, Volume , Year 2023, Pages 159-163</p> <p>8. Construction of Mine Debris Flow Risk Assessment Model Based on Improved Particle Swarm Optimization Algorithm Alawadi A.H.;Jasmine Hephzipah J.;Beula B.;Sharma P.;Bhuvaneswari V.;Rajalakshmi B. 2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, Volume , Year 2023, Pages 103-107</p> <p>9. Research on Forecast Algorithm of Financial Time Series Analysis Based on Markov Model Devi M.;Esanmurodova N.;Sahaya Sheela M.;Jasmine Hephzipah J.;Alkkhayat A.H.;Sarala R. 2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, Volume , Year 2023, Pages 1158-1162</p> <p>10. Calculation Method For Asset Value Assessment of Municipal Transportation Infrastructure Based on Genetic Algorithm Jasim L.;Alkkhayat A.H.;Revathi R.;Jasmine Hephzipah J.;Sankar Ganesh S.;Gunapriya B. 2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, Volume , Year 2023, Pages 1388-1392</p> <p>11. A Novel Deep Learning-Based Heart Disease Prediction System Using Convolutional Neural Networks (CNN) Algorithm Gopalakrishnan S.;Sheela M.S.;Saranya K.;Hephzipah J.J. International Journal of Intelligent Systems and Applications in Engineering, Volume 11, Year 2023, Pages 516-522</p> <p>12. Glioma brain tumor detection using dual convolutional neural networks and histogram density segmentation algorithm Sarala B.;Sumathy G.;Kalpana A.V.;Jasmine Hephzipah J. Biomedical Signal Processing and Control, Volume 85, Year 2023</p> <p>13. Meningioma brain tumor detection and classification using hybrid CNN method and RIDGELET transform Prakash B.V.;Kannan A.R.;Santhiyakumari N.;Kumarganesh S.;Raja D.S.S.;Hephzipah J.J.;MartinSagayam K.;Pomplun M.;Dang H. Scientific Reports, volume13, Year 2023</p> <p>14. Hybrid AES-Modified ECC Algorithm for Improved Data Security over Cloud Storage Jagadeesh S.;Ali S.M.;Selvan S.P.G.;Aljanabi M.;Gopianand M.;Hephzipah J.P.J. Journal of Advanced Research in Applied Sciences and Engineering Technology, Volume 32, Year 2023, Pages 46-56</p> <p>15. Road Crack and Road Quality Checking Mechanism Hephzipah J.J.;Sarala B.;Perarasi M.;Kowsik S.;Manojkummar P.;Kogulram S. Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, Volume , Year 2023, Pages 882-886</p> <p>16. Performance Analysis of Meningioma Brain Tumor Detection System Using Feature Learning Optimization and ANFIS Classification Method Jasmine Hephzipah J.;Thirumurugan P. IETE Journal of Research, Volume 68, Year 2022, Pages 1542-1550</p> <p>17. Detection and Diagnosis of Meningioma Brain Tumors using Proposed CNN Architecture Hephzipah J.J.;Subha T.D.;Neela K.;Sushmitha ;Anvitha 5th International Conference on Inventive Computation Technologies, ICICT 2022 - Proceedings, Volume , Year 2022, Pages 999-1004</p> <p>18. IoT Enabled Smart Logistics Vehicle using Semantic Communication Sujatha R.;Mahaboob Basha S.;Sarala B.;Jasmine</p>
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	<p>Hephzipah J.;Praveena N.G.;Siva Sundhara Raja D. International Journal of Intelligent Systems and Applications in Engineering, Volume 10, Year 2022, Pages 518-522</p> <p>19. Crptography based Lifi for Patient Privacy and Emergency Health Service Using IOT Vithya V.T.;Chandrasekar M.P.;Suganthi M.;Jasmine Hephzipah J.;Sarala B.;Praveena N.G.;Perarasi M. International Journal on Recent and Innovation Trends in Computing and Communication, Volume 10, Year 2022, Pages 194-198</p> <p>20. Detection and Diagnosis of Meningioma Brain Tumors using Proposed CNN Architecture IEEE, Year 2022</p> <p>21. Meningioma Brain Tumor Detection Using Soft Computing Dr.J.Jasmine Hephzipah Meningioma Brain Tumor Detection Using Soft Computing, Volume , Year 2022, Pages</p> <p>22. Emergency Medical Assistant System B.Sarala, S.Narmada Devi, M.Nivetha, J.Jasmine Hepzibah, J. Joseline Jeya Sheela, K.Ilangovan SSRN Elsevier digital library, Volume , Year 2021, Pages</p> <p>23. PANDEMIC DISEASE CONTROL PRACTICES COVID-19: A CROSS-SECTIONAL SURVEY Dr.J.Jasmine Hephzipah Design Engineering, Volume , Year 2021, Pages</p> <p>24. Simulation and comparison of single and differential ended CG-CS LNA for Cognitive Radio Sarala B.;Rukmani Devi S.;Hepzibah J.;Gunasekhar P.;Sheela J.J.J. International Journal of Wavelets, Multiresolution and Information Processing, Volume 19, Year 2021</p> <p>25. Computer aided automated detection and classification of brain tumors using CANFIS classification method Johnpeter J.H.;Ponnuchamy T. International Journal of Imaging Systems and Technology, Volume 29, Year 2019, Pages 431-438</p> <p>26. Computer aided automated detection and classification of brain tumors using CANFIS classification method International Journal of Imaging Systems and Technology, Year 2019</p>	
<p>Papers Presented in Conferences (Scopus / WoS indexed only)</p>	<p>Overall : 26</p>	<p>After Joining RMK :26</p>

Ph.Ds / Projects Guided	Ph.Ds Guided : 2	Student Projects Guided :35
Books Published :	Count :5	
	List: 1. Meningioma Brain Tumor Detection Using Soft Computing 2. Electronic Devices 3. Microprocessors and Microcontrollers 4. Embedded Systems 5. Electronic Circuits	
Patents	Published Count :2	Granted Count :NIL
	List : 1. Puffer Bag for Bridge Accident 2. Automated Vehicle Damage System Employing Image Processing	
Professional Memberships	Count :6	
	List : 1. ISDS - Life Member 2. CSTA - Life Member 3. NITTSD - Life Member 4. IAENG - Life Member 5. ISSE - Life Member 6. ISTE - Life Member	
Consultancy Projects Completed	Count :3	
Awards Received	Count :6	
	List : 1. Best Faculty Mentor –IEI 2. Best Faculty Mentor – NPTEL 3. Best Faculty- Texas Instruments 4. Best Faculty Award - Sudharsan Engineering college 5. Best Faculty advisor Award -IEI 6. Academic Excellence Award -IEI	
Research grants Received	NIL	
Orchid Link / ID	ID : 0000-0003-2714-2650	

Google Scholar Link / ID	ID : 3YHQme8AAAAJ
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/305309
Research Gate Link / ID	
Scopus Link / ID	https://www.scopus.com/authid/detail.uri?authorId=57208013833

Vidwan Link / ID	ID : https://vidwan.inflibnet.ac.in/profile/30539
Research Gate Link / ID	ID : ABA-5935-2021
Scopus Link / ID	ID : https://www.scopus.com/authid/detail.uri?authorId=57208013833