


FACULTY PROFILE

Name of Teaching Staff / RMK ID	S D LALITHA / T0264			
Designation	ASSISTANT PROFESSOR			
Department	COMPUTER SCIENCE AND ENGINEERING			
Date of Joining the Institution	21.6.2004			
Qualifications	B.E.(C.S.E)	M.Tech (C.S.E)	(Ph.D)	
Total Experience	Overall : 21 Years		in RMK : 19 Years	
Papers Published in Journal	Overall : 14		After Joining RMK : 14	
List of Papers Published	<p>1. S. D. Lalitha, K. K. Thyagarajan, "Micro-Facial Expression Recognition Based on Deep-Rooted Learning Algorithm", International Journal of Computational Intelligence Systems, Vol. 12, Issue. 2, Atlantis Press, 903 - 913, 2019.</p> <p>2. Lalitha S D, Vijaya Bindhu B, Preethi G, Rathi Priya V, Sanjula S M, " Agro based crop and fertilizer recommendation system using machine learning, European Journal of Molecular & Clinical Medicine", Vol. 7, Issue. 4, 2043-2051, 2020.</p> <p>3. S.D. Lalitha, K. K. Thyagarajan, "A Study on Lip Localization Techniques used for Lip reading from a Video", International Journal of Applied Engineering Research, Vol. 11, Issue. 1, 611-615, 2016.</p> <p>4. S.D. Lalitha, Dr. K. K. Thyagarajan, "Micro-Facial Expression Recognition in Video Based on Optimal Convolutional Neural Network (MFEOCNN) Algorithm", International Journal of Engineering and Advanced Technology, Vol. 9, Issue. 1, 2832-2841, 2019.</p> <p>5. S D Lalitha, Kirthika V, Krithika Padmanabhan A, Lavanya M, "Prediction of Crime Rate Analysis using Supervised Classification Machine Learning Approach", International Research Journal of Engineering and Technology, Vol. 6, Issue. 3, 671-6775, 2019.</p> <p>6. Lalitha S. D, Roselin Preethi. E, Reshama Farhana. S, "Human Attributes Quantification From a 2D Image Using Hale Canvas App", International Journal of Innovate Research in Science, Engineering and Technology, Vol. 5, Issue. 3, 4101-4105, 2016.</p> <p>7. Lalitha S.D, Vinitha M.K, Vishalini S, Sushmitha.L, "Improved Information for Endoscopy Diseases Using K-Mean and Super-Pixel Segmentation in Wireless Endoscopy Dataset", International Journal for Research in Applied Science & Engineering Technology, 2016.</p> <p>8. S.D. Lalitha & K.K. Thyagarajan, "Hybrid Model for Emotion</p>			

	<p>Recognition Based On Multiple Features in Video Sequences”, Solid State Technology, Vol.63, Issue 6, 14364-14394, 2020.</p> <p>9. Lalitha S D, D.Gerald Moses, B. Dinesh Kumar, J. Ajay Krishna, “Emotion Detection Using Convolution Neural Networks”, International Journal of Advanced Science and Technology, Vol. 29, Issue 3, 10670–10679, 2020.</p> <p>10. S.D. Lalitha, Deborah Adeline George, Jeevitha , Kalpana, "Quantum Image Scrambling", Int. Journal Of Advanced Networking & Applications (IJANA), 2019.</p> <p>11. Lalitha S.D, Thejeshwar AB, Vignesh S, "IOT Based Soil irrigation App", International Journal Of Advanced Networking & Applications, 2019.</p> <p>12. Thiresh hasan ,S.D. Lalitha, Tejeswi Vallabhaneni, "Emotion Recognition System Using Open Web Platform", International Journal Of Advanced Networking & Applications, 2019.</p> <p>13. S.D.Lalitha, Yerabolu Keerthika, Solleti Harshitha, Tanguturu Indrani, "Efficient Bandwidth Aware Routing Scheme in Manets”, Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 04, 2219-2232, April 2021.</p> <p>14. Cuddapah Anitha, Komala C R, Chettiyar Vani Vivekanand, S D Lalitha, Sampath Boopathi, Revathi. R, “Artificial Intelligence driven security model for Internet of Medical Things (IoMT)”, IEEE Xplore, ICIPTM 2023, 979-8-3503-3623-8, 2023.</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 4	After Joining RMK : 4
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided : 38
Books Published :	Count : 1	
	List : 1. Security in Computing , 978-93-5625-692-7, Scientific International Publishing House, February 2023.	
Patents	Published Count : 5	Granted Count : -
	List : 1. Iris Based And Fingerprint Based Voting System Via IoT Monitoring, 2021. 2. Multiple Sensor Data Fusion Enabled AI Based Emotion Identification System, 2021. 3. A New IoT Eco System Security Model with its Supporting Architectural Framework, 2023. 4. An Artificial Intelligence and Machine learning based User Behaviour Analysis System, 2023. 5. A Collaborative Learning System using Social Media and Cloud Technology, 2023.	
Professional Memberships	Count : 5	

	List : 1. ISTE (The Indian Society for Technical Education) 2. IEI (The Institution of Engineers) 3. IACSIT (International Association of Computer Science and Information Technology) 4. IAENG (International Association Of Engineers) 5. Internet Society
Consultancy Projects Completed	Count : 1
Awards Received	Count : 1
	List : 1. IEI Best Faculty Advisor Award 2023, IEI Hosur Local Chapter.
Research grants Received	-
Orcid Link / ID	ID : 0000-0003-3712-8254
Google Scholar Link / ID	ID : iDgOZtYAAAAJ
Vidwan Link / ID	ID : 305595
Research Gate Link / ID	LINK: https://www.researchgate.net/profile/Lalitha-S-D
Scopus Link / ID	ID : 57147356700