FACULTY PROFILE

Name of Teaching Staff / RMK ID	**Dr. R. S. Ganesh/T1070**		
Designation	Associate Professor		
Department	Electronics and Communication Engineering		
Date of Joining the Institution	16-6-2022		
Qualifications	M.E	M.B.A	Ph.D.
Total Experience	Overall : 25 Years	in RMK : 11 Months	
Papers Published in Journal	Overall : 17	After Joining RMK :03	
List of Papers Published	**1.** J. Jalaney, R.S. Ganesh, "Multiple Extreme Learning Machines Based Arrival Time Prediction for Public Bus Transport",Vol.36, No.3,pp.2819-2834, **Intelligent Automation & Soft Computing**,ISSN:2326-005X, DOI: 10.32604/iasc.2023.034844, **SCIE/SCOPUS Indexed (2023), Impact Factor -3.401.** 2. N. Shanu, **R.S.Ganesh, "**Residual-Based and Attention-Based Deep Learn Models for Hemorrhage Detection in Head CT Images: A Comparative Study"**, YMER**, ISSN: 0044-0477Vol.2, no.2, pp.985-999**(2023)**, https://doi.org/ 10.37896/YMER22.02/88,**Impact Factor-0.118**. **3.** K.A. Malar**, R.S.Ganesh, "**Novel aperture coupled fractal antenna for Internet of wearable things (IoWT)" **Measurement: Sensors, Vol.23 https://doi.org/10.1016/j.measen.2022.100533,SCOPUS Indexed(2022), Impact Score- 0.83** 4. N. Shanu, **R.S.Ganesh**, "Multi-Layer ResNet-DenseNet architecture in consort with the XgBoost classifier for intracranial hemorrhage (ICH) subtype detection and classification",**Journal of Intelligent & Fuzzy Systems**, **SCIE/SCOPUS Indexed (2022), Impact Factor -1.737** 5. M.S. Sumi, **R.S. Ganesh**, "Improved hard fusion methods for enhancing detection and energy efficiency in cognitive radio networks" in **Concurrency and Computation: Practice and Experience**, https://doi.org/10.1002/cpe.6686, **SCIE/SCOPUS Indexed (2021), Impact Factor -1.536.** **6.** M.S. Sumi, **R.S. Ganesh**, "Energy conserving relay assistance for reporting users in cognitive radio networks", 46(3), 169,1-11 in Sadhana - Academy Proceedings in Engineering Sciences, **SCIE/SCOPUS Indexed (2021), Impact Factor -1.271.** **7.** V.M.Manju, **R.S.Ganesh**, "Review on various detectors in massive MIMO technology: a performance analysis", ISSN: 1742-7371,		

	International Journal of Pervasive Computing and Communications, https://doi.org/10.1108/IJPCC-11-2020-0188, **ESCI/SCOPUS Indexed (2021), Impact Factor -1.32.** **8.** J.Jalaney**, R.S.Ganesh**, "Highly Accurate Bus Arrival Time Prediction using K-Nearest Neighbor Prediction in the Internet of Things (IoT) Environment", in **Journal of Green Engineering (JGE),**10 (9),4752-4762, **SCOPUS Indexed (2020), Impact Factor -1.577.** 9. J. Jalaney**, R.S.Ganesh**, "IoT Based Bus Arrival Time Prediction Using Artificial Neural Network (ANN) for Smart Public Transport System (SPTS)" ,13 (1), 312-323, **International Journal of Intelligent Engineering Systems**, **SCOPUS Indexed (2020), Impact Factor -1.17.** 10. M.S. Sumi, **R.S. Ganesh, "**Energy-conserving cluster method with distance criteria for cognitive radio networks, 656, 607-624, **Book Chapter in Advances in Communication Systems and Networks** (Lecture Notes in Electrical Engineering), **Springer**, **SCOPUS Indexed (2020), Impact Factor -0.32.** 11. M.S. Sumi, **R.S. Ganesh,** "Improved EGC method for increasing detection in cognitive radio networks", 147, 127-137, **Computer Communications**, **Elsevier**, **SCIE/SCOPUS Indexed (2019), Impact Factor – 3.167.** 12. M.S. Sumi, **R.S. Ganesh, "**A Weight based Improved Double Threshold Cooperative Spectrum Sensing for Cognitive Radio Networks", 11 (7),1414-1422, **Journal of Advanced Research in Dynamical & Control Systems**,1943-023X, **SCOPUS Indexed (2019), Impact Factor -0.308.** **13.** J. Jalaney**, R.S. Ganesh,** "Review on IoT Based Architecture for Smart Public Transport System", **International Journal of Applied Engineering Research,**14(2),466-471. 14. **R.S.Ganesh**, J. Jayakumari, "An Efficient Pilot Carrier Channel Estimation Using Genetic Algorithm for 4G MIMO-OFDM System", 11 (9), 5767-5772, **ARPN Journal of Engineering and Applied Sciences**, **SCOPUS Indexed (2016), Impact Factor -0.57.** 15. **R.S.Ganesh**, J.Jayakumari, "Performance Evaluation of DFT-Based Channel Estimation in MIMO-OFDM System", 7 (2), 142-151, **International Journal of Enterprise Network Management**, **SCOPUS Indexed (2016), Impact Factor -0.91,** **16. R.S.Ganesh**, J. Jayakumari "A Novel GA-Optimized DFT Channel estimation in MIMO-OFDM System", 8 (5), 2293-2299, **International Journal of Control Theory and Applications (2015), Impact Factor -0.111** 17. **R.S. Ganesh**, J. Jayakumari "Genetic Algorithm-Based Optimized Channel Estimation in MIMO-OFDM System", 23(11),2700-2705, **Middle East Journal of Scientific Research(2015)**

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 08	After Joining RMK :03
Ph.Ds / Projects Guided	Ph.Ds Guided : 02	Student Projects Guided : PG-09 UG-17
Books Published :	Count : 04 **(Book Chapters)**	
	1. Shanu, N; **Ganesh, R.S**. "Use of Deep Learning in Biomedical Imaging", **Book Chapter - Artificial Intelligence for Innovative Healthcare Informatics,(2022), Springer** 2. K.A Malar, R.S Ganesh, "Performance Analysis on Flexible Modified Koch Fractal Patch Antenna for Wearable Health Care Application", **Book Chapter -Lecture Notes in Electrical Engineering,(2022) Springer Nature.** **3.** Shanu, N; **Ganesh, R.S,** "Intelligent ICH detection using K-Nearest Neighbourhood, Support Vector Machine and a PCA enhanced Convolutional Neural Network", **Book Chapter -Lecture Notes in Electrical Engineering,(2022) Springer Nature.** 4. M.S. Sumi, **R.S. Ganesh,** "Energy-Conserving Cluster Method with Distance Criteria for Cognitive Radio Networks**", Book Chapter - Advances in Communication Systems and Networks(2020) Springer.**	
Patents	Published Count :01	
	A Convolutional Neural Network based Vehicle Communication System Over a Hybrid Spectrum and Method Thereof(2022)	
Professional Memberships	Count :3	
	1.IEEE- Senior Member 2.ISTE- Life Member 3.IAENG- Member	
Orchid Link / ID	https://orcid.org/0000-0003-2898-2395	
Google Scholar Link / ID	https://scholar.google.com/citations?user=Xx_bRoUAAAAJ&hl=en&authuser=1	
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/150584	
Research Gate Link / ID	https://www.webofscience.com/wos/author/record/139917 ID: AAG-1579-2019	
Scopus Link / ID	https://www.scopus.com/authid/detail.uri?authorId=55941240400	