


FACULTY PROFILE

Name of Teaching Staff / RMK ID	SAMUDA PRATHIMA		
Designation	Assistant Professor		
Department	Electronics and Communication Engineering		
Date of Joining the Institution	10.08.2021		
Qualifications	M.Tech.		
Total Experience	Overall: 8 Years	in RMK: 3 Years	
Papers Published in Journal	Overall: 4	After Joining RMK:3	
List of Papers Published	<ol style="list-style-type: none"> 1. Swamy, Ayyappa & Samuda, Prathima & N, Padmaja. (2018). Study of Presbycusis and Single Microphone Noise Reduction Techniques for Hearing Aids. 1-5. 10.1109/ICCIC.2018.8782402. 2. Swamy, Ayyappa & Samuda, Prathima & N, Padmaja & Sushma, C. (2020). Dual Threshold Log Spectral Distance Voice Activity Detector based Effective Statistical Speech Enhancement. International Journal of Advanced Science and Technology. 29. 5640-5653. 3. Swamy, Ayyappa & Sushma, C. & Alex, Zachariah & Samuda, Prathima. (2021). A Non-Uniform Digital Filter Bank Hearing Aid for Aged People with Hearing Disability. 10.1007/978-981-33-4058-9_16. 4. Arduino based Customized Smart Glasses for the Blind People 5. Performance Analysis of Arithmetic Unit for IoT Applications 6. Design of Low Power Adaptive Path Changing Glitch Free Radix-4, Radix-8 Multipliers 7. Short-term uncleaned signal to noise threshold ratio based end-to-end time domain speech enhancement in digital hearing aids 8. Low-cost Prototype for IoT-based Smart Monitoring through Telegram 9. Generic Paddy Plant Disease Detector (GP2D2): An Application of the Deep-CNN Model 10. Comparative analysis of high index core micro structured optical fibers (HIMSOF) and hollow core band gap fibers (HCBGF) performance efficiency in fiber communication system 		
Papers Presented in Conferences	Overall :6	After Joining RMK: 4	

(Scopus / WoS indexed only)		
Ph.Ds. / Projects Guided	Ph.Ds. Guided: -	Student Projects Guided:
Books Published:	Count: NIL	
	List:	
Patents	Published Count :3	Granted Count :1
	List : 1. System for Node Location and QOS Improvement in MANET 2. Solar Operated Proficient System for Precision Agriculture Using IoT 3. Voice based Automation Facility for Disabled People in Smart Home	
Professional Memberships	Count :2	
	List: IFERP- PM14256873 IAENG-309372	

Consultancy Projects Completed	Count :1
Awards Received	Count :
	List :
Research grants Received	
Orchid Link / ID	ID : https://orcid.org/0000-0001-7329-8213
Google Scholar Link / ID	ID : https://scholar.google.co.in/citations?user=ErW_O1kAAAAJ
Vidwan Link / ID	ID : 300751
Research Gate Link / ID	https://www.researchgate.net/profile/Prathima-Samuda
Scopus Link / ID	ID: 57210571736