


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr.D.Abitha kumari			
Designation	Associate Professor			
Department	CSE			
Date of Joining the Institution	01.07.2022			
Qualifications	B.E.	M.E.	Ph.D.	
Total Experience	Overall : 16.9		in RMK : 11	
Papers Published in Journal	Overall : 11		After Joining RMK : 1	
List of Papers Published	<p>1. D. Abitha Kumari, R. Raja Guru, M. Mathankumar, A. Manjunathan, 2022 “Certificateless Linkable Ring Signature-based Blockchains for securing Cognitive Radio Networks”, Journal of Concurrency and Computation: Practice and Experience, Impact factor: 1.831, Volume 34, Issue: 24 Doi.org/10.1002/cpe.7235 (SCI)</p> <p>2. D. Abitha Kumari& Dr. J Sutha, 2018, “An Efficient Encoder Architecture Design for Cognitive radio Networks”, Journal of Wireless personal Communications, Springer Link Impact factor: 1.20 Volume: 103, Issue: 4, Page: 3181-3188, DOI: 10.1007/s11277-018-6001-1, DEC 2018. (SCI)</p> <p>3. Karthiyayini Murugesan & D. Abitha Kumari, 2018, “Heterogeneous Ensemble Classifier Model for Early Alzheimer’s Disease Diagnosis”, Asia Pacific Journal of Research, ISSN (Print): 2320-5504 , Vol: I. Issue LXXXVII.</p> <p>4. D.Abitha Kumari & Dr. J Sutha, 2017, “Performance Analysis of an Efficient Architecture for Interference detector in Cognitive Radio Networks”, Asian Journal of Research in Social Sciences and Humanities 6 (2), 1036-1046. (Indian</p>			

Citation Indexed)

5. **D.Abitha Kumari** & Velvizhi Vinodhini, 2017, "Analysis of Energy Efficiency of Adhoc Cognitive Radio Network" International Journal of Innovative Research in Science, Engineering. (Google Scholar Indexed)
6. **D.Abitha Kumari** & J Sutha, 2016, "Low Power Interference Detection and Cancellation Architecture for Cognitive Radio Networks", International Journal of Printing, Packaging & Allied Sciences 4 (5), 3898-3906.
7. Premalatha & **D.Abithakumari**, 2016, "QoS Enhancement on Meta-Heuristic Optimization of Centralized Scheduling for CRND", International Journal of Engineering Science and Computing. (Google Scholar Indexed)
8. **D.Abitha Kumari** & N.Rajasekaran, 2015, "An Enhanced Queuing System For Multiple Mobile Elements In Wireless Sensor Networkd", International Journal of Applied Engineering Research, ISSN 0973-4562 (**Scopus-Indexed**)
9. M.Nandhini, M.Poomani@Punitha & **D.Abitha Kumari**, 2015, "An Optimal Time Interval Selection and Authenticating Primary User Signal for Cognitive Radio System", International Journal of Applied Engineering Research, ISSN 0973-4562.
10. U. Thuslimbanu, **D.Abitha Kumari**, 2014, "Spectrum Holes Sensing Policy For Cognitive Radio Network Using Reinforcement-Learning", International Journal of Advanced Research in Computer Science & Technology. (Google Scholar Indexed)
11. IK Leelarani & **D.Abitha Kumari**, 2014, "Efficient Spectrum Sensing Pattern Using Intelligent Matrix in Cognitive Radio Network", International Journal of Advanced Research in Computer Science & Technology. (Google Scholar Indexed)

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 1	After Joining RMK :0
Ph.Ds / Projects Guided	Ph.Ds Guided : Nil	Student Projects Guided :32
Books / Book chapter Published :	Count :2 List : <ul style="list-style-type: none"> • R. Santhana Krishnan, Dr.D.Abitha kumari, Ms.A.Sangeetha, published a book chapter on “A Secured Manhole Management System Using IoT and Machine Learning” in Recent Advances in Internet of Things and Machine Learning – Springer. (Scopus-Indexed) • A Peter Soosai Anandaraj, V Gomathy, A Amali Angel Punitha, D Abitha Kumari, S Sheeba Rani, S Sureshkumar, “Internet of Medical Things (IoMT) Enabled Skin Lesion Detection and Classification Using Optimal Segmentation and Restricted Boltzmann Machines”, Cognitive Internet of Medical Things for Smart Healthcare, Springer, Cham, 195-209, 2021. (Scopus-Indexed) 	
Patents	Published Count :2	Granted Count :
	List : Dr.D.Abitha kumari Patent published on “New Method For User Authentication Using Machine Learning Approach“, with Patent number - 202041053092 at 11.12.2020. Dr.D.Abitha kumari Patent published on “IOT Based Design for Brain Tumor Detection and Analysis with Advanced Imaging Techniques on MRI Images”, with Patent number - 202041053804 at 22.01.2021	
Professional Memberships	Count :6 List :	

	<ul style="list-style-type: none"> ✓ IJCS Journal – Editorial Board Member, Membership Number: 2022SKRGC1125, SK SKRGC Publication Member, Research Group of Companies (SKRGC) - Scholarly Peer Reviewed Research Journals ✓ Member of the Institute for Engineering Research and Publication from 20.02.2020 to 31.12.2022, Member ID:PM84139562 ✓ Member in IAENG International Association of Engineers. ✓ Member in Internet Society, Member ID:224698 ✓ Member in ISTE ✓ Associate Member in the IRED Institute of Research Engineers and Doctors.
Consultancy Projects Completed	Count :Nil
Awards Received	Count :2
	List : <ul style="list-style-type: none"> • Recipient of the prize for the best usage of INNOVATIVE TEACHING TOOLS in Sethu Institute of Technology, Pulloor, Kariapatti. • Recipient of the RESULT AWARDS (Cash Awards) for the following subjects Computer Programming, Data Structures, Object Oriented Analysis and System Design, User Interface Design, Adhoc Networks.
Research grants Received	<ul style="list-style-type: none"> • Coordinator for AICTE – SPICES, 2022 project for the development of a model student club of SITWARE Association at Sethu Institute of Technology.
Orcid Link / ID	ID : 0000-0001-6898-3275
Google Scholar Link / ID	ID : 8byy9f4AAAAJ

Vidwan Link / ID	ID : 309953
Research Gate Link / ID	AAY-4518-2020
Scopus Link / ID	ID : 56872862400