



FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr.T.MAHALINGAM / T1109		
PROFESSOR	ASSOCIATE PROFESSOR		
Department	B.TECH / IT		
Date of Joining the Institution	20.02.23		
Qualifications	B.TECH	M.Tech.	Ph.D
Total Experience	Overall : 16 years		in RMK : 2 Years 5 Months
Papers Published in Journal	Overall : 15		After Joining RMK :4
List of Papers Published	1.M. Usha, T. Mahalingam, A. Ahilan & J. Sathiamoorthy (2023): EOEEORFP: Eagle Optimized Energy Efficient Optimal Route-Finding Protocol for Secure Data Transmission in FANETs, IETE Journal of Research, https://doi.org/10.1080/03772063.2023.2253777. 2.M. Usha, J. Sathiamoorthy, A. Ahilan, T. Mahalingam (2023): EOEEORFP: Eagle Optimized Energy Efficient Optimal Route-Finding Protocol for Secure Data Transmission in FANETs, IETE Journal of Research., https://doi.org/10.1080/03772063.2023.2261884 3.Saravanan, Vijaya, Saraswathi R J, T. Mahalingam , S. Devikala, T. R. Ramesh, K. Sivakumar (2024) : Beyond the Current State of the Art in Electric Vehicle Technology in Robotics and Automation, J. Electrical Systems, Scopus indexed, DOI: https://doi.org/10.52783/jes.2398 4.T. Senthil Kumar, Rakesh Kumar Giri, Kalaiarasi N, D. Yuvaraj, T. Mahalingam (2024): Functional Gastrointestinal Disorders (FGID): Information Technology Adoption Based on Power Transmission, J. Electrical Systems, 20-4s (2024): 2341-2350, Scopus indexed 5.Mahalingam Thangaraj, Subramoniam Monikavasagom (2019):		

A Competent Frame Work for Efficient Object Detection, Tracking and Classification, Wireless Personal Communications, **Springer**, Vol. No: 107(2), pp 939–957, **Impact Factor 0.929, SCI and SCI Expanded (Web of science indexed)**

6.T. Mahalingam, M. Subramoniam (2019): A trusted waterfall framework based moving object detection using FACO-MKFCM techniques, Multimedia Tools and Applications, **Springer**, Vol. No: 78(18), pp 26427–26452, **Impact Factor 1.876, SCI and SCI Expanded (Web of science indexed).**

7.T. Mahalingam, M. Subramoniam (2019): A hybrid gray wolf and genetic whale optimization algorithm for efficient moving object analysis, Multimedia Tools and Applications, **Springer**, Vol. No:78(18), pp 26633–26659, **Impact Factor 1.876, SCI and SCI Expanded (Web of science indexed)**

8.Mahalingam Thangaraj, Subramoniam Monikavasagom (2019): ACO–MKFCM: An Optimized Object Detection and Tracking Using DNN and Gravitational Search Algorithm, Wireless Personal Communications, **Springer**, DOI 1007/s11277-019-06802-3, **Impact Factor 0.929, SCI and SCI Expanded (Web of science indexed)**

9.T. Mahalingam, M. Subramoniam (2019): CBFD: a refined W4+ cluster-based frame difference approach for efficient moving object detection, Soft Computing, **Springer**, Vol. No:23(21), pp. 10661–10679, **Impact Factor 2.784, SCI and SCI Expanded (Web of science indexed).**

10.T. Mahalingam, Dr.P.Jeyanthi (2018): An Innovative Architecture of Object Detection and Tracking Using Hybrid Clustering, Information Security Education Journal, Vol.No:5(1), DOI: 10.6025/isej/2018/5/1/1-10.

11.Mr.Mahalingam T, Ms.Jeevitha.R, Dr.Shunmuganathan K.L. (2014): An Intelligent Distributed Intrusion Detection System In Grid Environment Using Ids, International Journal of Scientific & Engineering Research, Vol.No:5(1), ISSN 2229-5518, Google

scholar indexed.

12.Mr.T.Mahalingam, Dr.Shunmuganathan, Miss.R.Jeevitha (2014): Moving object classification using cloud environment through Haar classifiers, International organization of scientific Research (IOSR), Vol.No:16(3), e-ISSN: 2278-0661, p-ISSN: 2278-8727, PP 33-35, ANED-DDL, Google scholar indexed.

13.T. Mahalingam, M. Subramoniam (2020): Optimal Object Detection and Tracking in Occluded Video using DNN and Gravitational Search Algorithm, soft computing **Springer**, Vol. No:24, pp. 18301–18320, **Impact Factor 2.784, SCI and SCI Expanded (Web of science indexed).**

14.T. Mahalingam, M. Subramoniam (2020): ACO–MKFCM: An Optimized Object Detection and Tracking Using DNN and Gravitational Search Algorithm, Wireless Personal Communications, **Springer**, Vol. No: 110(3), pp 1567–1604, **Impact Factor 0.929, SCI and SCI Expanded (Web of science indexed)**

15.T. Mahalingam (2021): A hybridization of SKH and RKFCM clustering optimization algorithm for efficient moving object exploration, Multimedia Tools and Applications, Impact Factor 1.876, SCI and SCI Expanded (Web of science indexed).
<https://doi.org/10.1007/s11042-020-10237-5>.

16.Avvaru R V Naga Suneetha, Dr.T.Mahalingam (2022): Cardiovascular Disease Prediction using L and DL Approaches, International journal on recent and innovation trends in computing and communication, ISSN:2321-8169 vol.10 Issue:10, DOI:<https://doi.org/10.1776/ijritcc.v10i10.5745>.

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 7	After Joining RMK :4
Ph.Ds / Projects Guided	Ph.Ds Guided : Nil	Student Projects Guided :5
Books Published :	Count :Nil	
	List :Nil	
Patents	Published Count :6	Granted Count :Nil
	List :Nil	
Professional Memberships	Count :1	
	1. ISTE	
Consultancy Projects Completed	Count :1	
Awards Received	Count :1	
	List :1	
Research grants Received	Nil	
Orchid Link / ID	ID :	
Google Scholar Link / ID	ID :	
Vidwan Link / ID	ID :	
Research Gate Link / ID		
Scopus Link / ID		