



## FACULTYPROFILE

<b>Name of Teaching Staff / RMK ID</b>	Dr. S. Selvakanmani / T1072		
<b>Designation</b>	Associate Professor		
<b>Department</b>	Information Technology		
<b>Date of Joining the Institution</b>	23.06.2022		
<b>Qualifications</b>	B.Tech	M.E	PhD
<b>Total Experience</b>	Overall:18 years		In RMK: 2 years
<b>Papers Published in Journal</b>	Overall : 64		After Joining RMK: 6

**List of Papers Published**

1. S. Selvakanmani, P. Rajeswari, B V Krishna, J. Manikandan, “ Optimizing E-waste management: Deep Learning classifiers for effective planning”, Journal of Cleaner Production, Vol. 443, March 2024.
2. S. Selvakanmani, G. Dharani, V. Rekha, J. Jeyalakshmi, “Privacy - Preserving Breast Cancer Classification: A Federated Transfer Learning Approach”, Journal of Imaging Informatics in Medicine, February 2024.  
<https://doi.org/10.1007/s10278-024-01035-8>
3. S. Selvakanmani, Manjula Pattnaik, M Sunil Kumar, Kaniphnath Malhari Kudale, M Kumarasamy, B Girimurugan, “ Nature-Inspired Optimisation-Based Regression Based Regression to Study the Scope of Professional Growth in Small and Medium Enterprises”, in International Journal of Intelligent Systems and Applications in Engineering, 2023.
4. S. Selvakanmani, Aarti Amod Agarkar, Md Zair Hussain, J Thimmia Raja, Anandakumar Haldorai, M Thangamani, “Analysis of taskable mobile IoT sensing systems for coverage and throughput”, in International Journal of System Assurance Engineering and Management (Springer India), 2023.
5. S. Selvakanmani, B Ashreetha, G Naga Rama Devi, Shubhrojit Misra, R Jayavadivel, Suresh Babu Perli, “Deep learning approach to solve image retrieval issues associated with IOT sensors”, Measurement: Sensors, 2022.
6. S. Selvakanmani, S Ramesh, R Rajalakshmi, Jaiprakash Narain Dwivedi, Bhaskar Pant, N Bharath Kumar, Zelalem Fissiha Demssie, “ Optimization of Leach Protocol in Wireless Sensor Network Using Machine Learning”, in Computational Intelligence & Neuroscience, 2022

<b>Papers Presented in Conferences</b> (Scopus/WoS indexed only)	Overall :9	After Joining RMK: 3
<b>Ph.Ds/Projects Guided</b>	Ph.Ds Guided: Nil	Student Projects Guided:9
<b>Books Published:</b>	Count:2	
	<ul style="list-style-type: none"> <li>• Foundations of Data Science, The Charulatha Publications</li> <li>• AI and Cybersecurity: Defending Against Advanced Threats, Deccan Academic International Publishers</li> </ul>	
<b>Patents</b>	Published Count: 2	Granted Count:NIL
	<ul style="list-style-type: none"> <li>• IOT Monitoring System For Detecting Harmful Gases And Fires In Work Field</li> <li>• IOT Based Oxygen Supply System</li> </ul>	
<b>Professional Memberships</b>	Count:2	
	IEEE, ISTE	
<b>Consultancy Projects Completed</b>	Count: 1	
<b>Awards Received</b>	Count:1	
	Best Faculty Award from Knowledge Research Academy	
<b>Research grants Received</b>	Nil	
<b>OrchidLink/ ID</b>	ID: <a href="https://orcid.org/0000-0001-6469-6084">0000-0001-6469-6084</a>	
<b>GoogleScholarLink/ID</b>	ID: <a href="https://scholar.google.co.in/citations?user=YKnjpo0AAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=YKnjpo0AAAAJ&amp;hl=en</a>	
<b>VidwanLink / ID</b>	ID: <a href="https://vidwan.inflibnet.ac.in/profile/305142">https://vidwan.inflibnet.ac.in/profile/305142</a>	
<b>ResearchGateLink/ID</b>	<a href="https://www.researchgate.net/profile/Selvakanmani-Sethuramalingam">https://www.researchgate.net/profile/Selvakanmani-Sethuramalingam</a>	
<b>ScopusLink/ID</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=56156565700">https://www.scopus.com/authid/detail.uri?authorId=56156565700</a>	