


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Ms. Lalitha Ramachandran/T0987			
Designation	Assistant Professor			
Department	Science and Humanities			
Date of Joining the Institution	23.7.2018 (Regular)			
Qualifications	M.sc (Mathematics)	M.Phil (Mathematics)	TN-SLET (Mathematics) (Ph.D)	
Total Experience	Overall : 15 Years		in RMK : 4 Years	
Papers Published in Journal	Overall : 08		After Joining RMK : 02	
List of Papers Published	<ol style="list-style-type: none"> 1. Inventory models with integrated time-dependent demand for deteriorative items in third and fourth order equations, RAIRO Operations Research, Vol. 55, No. 5, pp. 2883 – 2905. (Impact factor 1.58) 2021 https://www.rairo-ro.org/articles/ro/abs/2021/06/ro210093/ro210093.html https://www.rairo-ro.org/about-the-journal/indexed-in 2. Production inventory models for deteriorative items with continuous compound demand and growth of demand, Revista Investigacion operacional , Vol 42, No.1, 46-62,2021. 3. Estimation of Maximum Age Group of the Bhutanese Health and Wealth Status Towards the Progress of GNH Using Fuzzy Matrix”, 95-102, NCAM, ISBN: 978-81-8424-570-7, edited by Rajasekaran, Sathakathull & Saibulla, Allied Publishers Pvt. Ltd, New Delhi, India, 2010. 4. Estimation of Maximum Age Group of the Bhutanese Health and Wealth Status Towards the Progress of GNH Using Fuzzy Matrix”, 95-102, NCAM, ISBN: 978-81-8424-570-7, edited by Rajasekaran, Sathakathull & Saibulla, Allied Publishers Pvt. Ltd, New Delhi, India, 2010. 			

	<p>5. Fuzzy Model Approach to Analyze Data, <i>Sherub Doenme</i>, 92-99, Academic Journal Vol. 9 (1& 2), ISSN: 1027-0922, Feb.2010.</p> <p>6. Microfinance to Decimate Child Labour in Bhutan Using BAM Model, Macro Dynamics of Microfinance, ISBN No: 978/81/7446/807/9. Page No: 412-423, January 2010.</p> <p>7. Analysis of Indo-Bhutan Socio-Political, Health and Economic Situations, 78 – 91, <i>Sherub Doenme</i>, Academic Journal Vol. 8 (1 & 2), ISSN: 1027 – 0922, Dec. 2008.</p> <p>8. An empirical study on the challenges and impact of female labor force participation in Tamil Nadu, European Journal of Humanities and Educational Advancements Page 10-20, published on 2022-03-10.</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 11	After Joining RMK :3
Ph.Ds / Projects Guided	Ph.Ds Guided : Nil	Student Projects Guided :Nil
Books Published :	Count :01	
	List : Demand and Choice of Health Care , Lambert Publication	
Patents	Published Count :04	Granted Count :NIL
	List : <ol style="list-style-type: none"> 1. Published a patent on “covid-19 pandemic anxiometer using Arduino”, 202241019801, published date: 13/05/2022. 2. Published a patent on “Automatic IOT based Hand Sanitizer Dispenser and Thermal”, 202241019806, published date: 13/05/2022. 3. Published a patent on “Cyber security, Artificial Intelligence and Backlogging based Online fund Transaction Fraud”, 	

	<p>202241026012 , published date: 20/05/2022.</p> <p>4. Published a patent on “Virtual Mouse System using Object Detection”, 202141059518,published date: 04/02/2022.</p>																								
Professional Memberships	Count :5																								
	List :																								
	<table border="1"> <thead> <tr> <th>S. No</th> <th>Institution</th> <th>Type of Membership</th> <th>Membership Number</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>The Indian Society for Technical Education Life</td> <td>Life</td> <td>LM127481</td> </tr> <tr> <td>2</td> <td>International Association of Engineers</td> <td>Life</td> <td>282708</td> </tr> <tr> <td>3</td> <td>Indian Mathematical Society</td> <td>Life</td> <td>L/2015/166</td> </tr> <tr> <td>4</td> <td>India Summer School of Internet Governance</td> <td>Life</td> <td>2229999</td> </tr> <tr> <td>5</td> <td>International Society for Development and Sustainability (ISDS)</td> <td>Associate member</td> <td></td> </tr> </tbody> </table>	S. No	Institution	Type of Membership	Membership Number	1	The Indian Society for Technical Education Life	Life	LM127481	2	International Association of Engineers	Life	282708	3	Indian Mathematical Society	Life	L/2015/166	4	India Summer School of Internet Governance	Life	2229999	5	International Society for Development and Sustainability (ISDS)	Associate member	
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5	International Society for Development and Sustainability (ISDS)	Associate member																							
Consultancy Projects Completed	Count :NIL																								
Awards Received	Count :01																								
	List : Certificate of Appreciation is Awarded in recognition of his/her role of MENTOR for NPTEL Online Certification Course “Enhancing Soft Skill andPersonality” Jan-April 2022.																								
Research grants Received	NIL																								
Orchid Link / ID	ID : 0000-0002-3146-2799																								
Google Scholar Link / ID	ID : g_3HCtkAAAAJ																								

Vidwan Link / ID	ID : 281756
Research Gate Link / ID	ADJ-6250-2022
Scopus Link / ID	ID : 57224561349