

## PROFILE

**Mrs. M.P.Rekha**

**Assistant Professor,**

**Department of Computer Applications ,**

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### OBJECTIVE:

To empower my knowledge to provide education and support to students in the fields of Computer Applications and apply excellent technical, communicational and interpersonal skills.

### EDUCATIONAL QUALIFICATION:

DEGREE	INSTITUTION	YEAR OF PASSING
Ph. D (Computer Science)	Madurai Kamaraj University, Madurai	Pursuing from 2021
M.Phil., (Computer Science)	Alagappa University, Karaikudi	2014
M.Sc., (IT)	Yadava College, Madurai	2008
B.Sc., (CS)	E.M.G Yadava Women's College, Madurai	2006

**ARES OF SPECIALIZATION**

**: Data Mining, Web Development,  
Java**

**SEMINAR/WORKSHOP/CONFERENCE PARTICIPATION DETAILS:**

<b>SEMINAR/CONFERENCE/WOR KSHOP</b>	<b>DATE</b>	<b>SEMINAR/WORK SHOP/ CONFERENCE</b>	<b>ORGANIZATION</b>
Innovative Technologies and Advanced computing	11 <sup>th</sup> September 2015	National Conference	Fatima College , Madurai.
Quality Enhancement Strategy- Towards Excellence	31 <sup>st</sup> August 2008	National Seminar	Yadava college, Madurai.
Quality Education and Human Touch	08 <sup>th</sup> October 2014	Work shop	Yadava college, In Madurai
Innovative Digital Image Processing and Iconic Open source Technology	27 <sup>th</sup> August 2015	National Seminar	EMG Yadava Women's college, Madurai.
International Conference on Intelligent Computing and Communication Technology	27 <sup>th</sup> September 2024	International Conference	M. V. Muthaiah Government Arts and Science College For Women, Dindigul
International Conference on Emerging Innovative Research with Industry 5.0 Technology, Engineering Management and Social Sciences	27 <sup>th</sup> March 2024	International Conference	SRM Institute of Science and Technology, Ramapuram

**WEBINAR PARTICIPATION DETAILS:**

<b>S.NO.</b>	<b>TITLE</b>	<b>INSTITUTION</b>	<b>DATE</b>
1	HAPPY LIVING	GTN Arts College, Dindigul	27.5.2020
2	INTRODUCTION TO IOT – A RESEARCH PERSPECTIVE	GTN Arts College, Dindigul	28.5.2020
3	THE FUTURE OF COMPUTING – CLOUD AND FOG COMPUTING	Noorul Islam Centre For Higher Education, Kanyakumari	29.5.2020
4	THE BIG 3 APPLICATIONS AND RESEARCH PERSPECTIVE	GTN Arts College, Dindigul	3.6.2020

5	INTRODUCTION TO DATA SCIENCE USING PYTHON	Angappa College of Arts and Science	10.6.2020
6	5G TECHNOLOGY	Senthamarai Arts And Science College, Madurai	21.10.2020
7	NAAC RE ACCREDITATION PROCESS DURING POST COVID SCENARIO	Yadava College, Madurai	10.11.2020

### PUBLICATION DETAILS:

1.	Mrs. M. P. Rekha			2025
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#### Publication 1:

**Paper Title** : A Hybrid ANN Random Forest Regression Method  
of Feature Extraction in Time Series Data

**Journal Name** : Springer Nature Journal

**Volume, Issue** : *2025 issue*

#### Publication 2:

**Paper Title** : **Reducing Dimensions in Time Series Data using  
Remora Optimization Algorithm**

**Journal Name** : International Journal of Engineering Trends and  
Technology

**Volume, Issue** : *vol.70, Issue 7, 2022 issue*

**ISSN No.** : *2231 - 5381*

**Page no.** : *108 - 121.*

#### Publication 3:

**Paper Title** : **Reducing Dimensionality in Time Series Data  
using Neural Auto Encoder Technique**

**Journal Name** : International Journal of Creative Research  
Thoughts (IJCRT)

**Volume, Issue** : *vol.9, Issue 12, 2021 issue*

**ISSN No.** : 2320 - 2882

**Page no.** : 108 - 121.

**Publication 4:**

**Paper Title** : **Mining Sequence Data And Time Series Data**

**Journal Name** : International Journal of Computer Science

**Volume, Issue** : *vol.2, Issue 1, 2014 issue*

**ISSN No.** : 2348 – 6600

**Page no.** : 260 – 264.

**PAPER PRESENTED IN INTERNATIONAL CONFERENCE:**

S. No.	Conference Title	Paper Title	Organization	Date
1.	International Conference on Emerging Innovative Research with Industry 5.0 in Technology, Engineering, Management and Social Sciences ICE 5.0 (ITEMS)	Gated Convolution Neural Network Based Weather Prediction and Forecasting System	SRM Institute of Science and Technology, Chennai.	27 <sup>th</sup> March, 2024
2.	International Conference on “Intelligent Computing & Communication Technology”,	Dimension Reduction in Time Series Data using Hybrid Artificial Neural Network Linear Regression	M.V. Muthaiah Government Arts College for Women, Dindigul	27 <sup>th</sup> September, 2024

**EXPERIENCE DETAILS:**

**Designation** : Assistant Professor

**Department** : Computer Applications

**Joining Date** : 09.07.2008

**ACADEMIC POSITION HELD:**

**MEMBER OF BOARD OF EXTERNAL EXAMINER**

S.NO.	INSTITUTION	YEAR
1.	Thiyagarajar College(Autonomous)	2018
2.	SFR college for Women(Autonomous)	2017

3.	Madurai Kamaraj University	2017
4.	Sri Kaliswari College(Autonomous)	2016
5.	Madurai Kamaraj University	2016
6.	Madurai Kamaraj University	2012
7.	Thiyagarajar College(Autonomous)	2017
8.	Thiyagarajar College(Autonomous)	2016
9.	Thiyagarajar College(Autonomous)	2015

**PERSONAL DETAILS:**

Name : Mrs.M.P.Rekha  
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