

**PASUMPON MUTHURAMALINGA THEVAR COLLEGE, USILAMPATTI**

**DEPARTMENT OF MATHEMATICS**

**PERFORMANCE APPRAISAL REPORT**

**SELF APPRAISAL**

**A. General Information**

- a) Name : **Dr. M.RENUGA DEVI,**  
b) Father's Name : Mr. P. Mayathevar  
c) Educational Qualifications : **M.Sc.,M.Phil.,Ph.D.,**  
d) Address : Assistant Professor,  
Department of Mathematics,  
Pasumpon Muthuramalinga Thevar College,  
Usilampatti, Madurai – 625 532.  
e) Designation : **Assistant Professor**  
f) Department : **Mathematics**  
g) Date of Birth : 23.03.1980  
h) Area of Specialization : Differential Equations  
g) Date of appointment : **29-10-2007**  
(i) in the Institution : 29-10-2007  
(ii) in the present post : 29-10-2007

**B. Academic Qualification**

<b>Exam Passed</b>	<b>Subjects</b>	<b>Board / University</b>	<b>Year</b>	<b>Division</b>
High School	General	Board of Secondary Education Tamilnadu	APR.1995	I -Class
Higher Secondary of Pre-Degree	Bio-Maths	Board of Higher Secondary Education Tamilnadu	MAR.1997	I-Class
Bachelor's Degree	Mathematics	Madurai Kamaraj University-Madurai	APR.2000	I-Class
Master's Degree	Mathematics	Madurai Kamaraj University-Madurai	APR.2002	I-Class
Research Degree (s)	M. Phil (Maths)	Madurai Kamaraj University-Madurai	APR.2003	I-Class
	Ph. D (Maths)	Madurai Kamaraj University-Madurai	AUG.2017	-
Other Diplomas / certificates etc.		-	-	-

\* for teachers already in employment at the time of introduction of the scheme for new entrants at the time of joining of the institution

### C. Research Experience & Training

Exam Passed	Subject	Board / University	Year	Division
M.Phil	Mathematics	Madurai Kamaraj University-Madurai	APR.2003	I-Class
Ph.D.,	Mathematics	Madurai Kamaraj University-Madurai	AUG.2017	Awarded
Post Doctoral	Nil	Nil	Nil	Nil
Research Guidance (Give names of Students guided successfully)	Nil	Nil	Nil	Nil
Other Diplomas / certificates etc.	Nil	Nil	Nil	Nil
Training (Please Specify)	Nil	Nil	Nil	Nil

### D. Research projects carried out

Title of the Project	Name of the Funding agency	During Remarks
Nil	Nil	Nil

### III (A) (i) Research Papers Published in Journals:

Sl. No	Title, Vol., Page No. & year	Journal	ISSN/ ISBN	Peer reviewed, Impact Factor	No. of Co-authors	Whether you are First/ principal/ Corresponding author	Score by Self	Score by IQAC	Score by Screening committee
1.	“Mathematical modeling of Enzyme Kinetic Reaction mechanisms and Analytical solutions of Non-linear Reaction Equations using Variational	<b>International Journal of Mathematical Archive</b>	ISSN: 2229-5046	Peer reviewed	1	Yes	15		



**III (B) (ii) Articles /Chapters published in Books:**

Sl. No.	Title, Vol., Page No. & year	Journal	ISSN/ ISBN	Peer reviewed, Impact Factor	No. of Co-authors	Whether you are First/principal/C orresponding author	Score by Self	Score by IQAC	Score by Screening committee
III (A) (i)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

**III C (i) and (ii) Ongoing and Completed Research Projects and Consultancies:**

Sl. No.	Title	Principal Investigator	Funding Agency	Period	Grant Mobilized	Score by Self	Score by IQAC	Score by Screening committee
1.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

**III C ((i) & (ii)) Ongoing Projects**

Sl. No	Title	Principal Investigator	Funding Agency	Period	Grant Mobilized	Score by Self	Score by IQAC	Score by Screening committee
1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

**III D (i) and (ii) Research Guidance****III. (E) (i) Refresher Courses, Methodology Workshops, Training, Teaching- Learning-Evaluation Technology Programmes, Soft Skills Development Programmes, Faculty Development Programmes**

Sl. No.	Programme	Duration		Organized by	Score by Self	Score by IQAC	Score by Screening committee
		From	To				
1.	Orientation Programme,	19.08.2008	15.09.2008	UGC-Academic Staff College, Madurai Kamaraj Univerisity, Madurai	10		
2.	Refresher Course in Mathematics	22.01.2010	11.02.2010	UGC-Academic Staff College, Madurai Kamaraj Univerisity, Madurai	10		
3.	Refresher Course in Mathematics	03.02.2015	23.02.2015	UGC-Academic Staff College, Madurai Kamaraj Univerisity, Madurai	10		
4.	Refresher Course in Environmental Studies	21.01.2020	03.02.2020	UGC-Academic Staff College, Madurai Kamaraj Univerisity, Madurai	10		

**III (E) (ii) Papers presented in Conferences, Seminars, Workshops, Symposia:**

<b>Name of the Seminar / Conference / Symposia / Workshop etc.,</b>	<b>State / National International Level</b>	<b>Name of the Sponsoring agency</b>	<b>Place</b>	<b>Date</b>
1	National Seminar on Applications of Differential Equations	UGC	Dept. of Mathematics, The Madura College, Madurai.	2012
2	National Conference on Partial Differential Equations and Applications	-	Dept. of Mathematics, Bharathiyar University, Coimbatore	2014
3	National Conference on Recent Trends in Applicable Mathematics	UGC	Bharata Mata College, Thrikkakara, Kochi, Kerala.	2014
4	State level Seminar on Recent Trends in Mathematical models	UGC	Dept. of Mathematics, Mannar Thirumalai Naicker College, Madurai	2014
5	National Conference on Recent development in Mathematics and its Applications	DST	Dept. of Mathematics, The Madura College, Madurai	2015
6	Science Academeis Lecture workshop on Differential Equations for dynamical systems	IASC& NASC	Dept. of Mathematics, The Madura College, Madurai	2018
7	Workshop on Fuzzy set theory and its Applications	DST	Research centre &PG Department of Mathematics, JA college for women, Periyakulam	2019

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Title of conference/Seminar &amp; Date etc.</b>	<b>Organized by</b>	<b>Score by Self</b>	<b>Score by IQAC</b>	<b>Score by Screening committee</b>
1.	Applications of Differential Equations	National Seminar on Applications of Differential Equations	Dept. of Mathematics, The Madura College, Madurai.	5		

2.	Partial Differential Equations and Applications	National Conference on Partial Differential Equations and Applications	Dept. of Mathematics, Bharathiyar University, Coimbatore.	5		
3.	Recent Trends in Applicable Mathematics	National Conference on Recent Trends in Applicable Mathematics,	Bharata Mata College, Thrikkakara, Kochi, Kerala..	3		
4.	Recent Trends in Mathematical models	State level Seminar on Recent Trends in Mathematical models	Dept. of Mathematics, Mannar Thirumalai Naicker College, Madurai	3		
5.	Recent development in Mathematics and its Applications	National Conference on Recent development in Mathematics and its Applications	Dept. of Mathematics, The Madura College, Madurai.	3		
6.	Differential Equations for dynamical systems	Science Academeis Lecture workshop on Differential Equations for dynamical systems	Dept. of Mathematics, The Madura College, Madurai.	3		
7.	Fuzzy set theory and its Applications	Workshop on Fuzzy set theory and its Applications	Research centre & PG Department of Mathematics, JA college for women, Periyakulam	3		

#### E. Seminars, Conferences, Symposia, Workshops etc., attended

Sl. No	Name of the Seminar/ Conference/ Symposia/ Workshop etc.,	State / National / International Level	Seminar Paper Presented / Attended	Palace	Year
1	National Seminar on Applications of Differential Equations	National	Attended	Dept. of Mathematics, The Madura College, Madurai..	2012
2	National Conference on Partial Differential Equations and Applications	National	Paper Presented	Dept. of Mathematics, Bharathiyar University, Coimbatore	2014
3	National Conference on Recent Trends in Applicable Mathematics,	National	Paper Presented	Bharata Mata College, Thrikkakara, Kochi, Kerala..	2014

4	State level Seminar on Recent Trends in Mathematical models	State	Attended	Dept. of Mathematics, Mannar Thirumalai Naicker College, Madurai.	2014
5	Recent development in Mathematics and its Applications	National	Paper Presented	Dept. of Mathematics, The Madura College, Madurai..	2015
6	Differential Equations for dynamical systems	National	Attended	Dept. of Mathematics, The Madura College, Madurai..	2018
7	Fuzzy set theory and its Applications	National	Attended	Research centre &PG Department of Mathematics, JA college for women, Periyakulam	2019

#### F. Teaching Experience

Sl. No	Courses Taught	Name of the University / College / Institution	Duration
1.	U.G.	Pasumpon Muthuramalinga Thevar College, Usilampatti	13 years 2 months
2.	P.G. (M.A. / M.Sc., etc.,)	Nil	Nil
3.	M.Phil.,	Nil	Nil
4.	Any other	Nil	Nil

#### Total Teaching Experience

(a) Under – Graduate (Pass)	:	<b><u>13 Years and 2 Months</u></b>
(b) Under – Graduate (Hons)	:	_____ - _____
(c) Post – Graduate	:	_____ - _____

#### G. Innovations / Contributions in Teaching

a) Design of Curriculum	:	Question Papers setting to various Autonomous Colleges
b) Teaching methods Classes	:	Power Point Presentation and Smart
c) Laboratory experiments	:	Yes (Computer Laboratory)
d) Evaluation methods	:	Yes ( Internal Assessments, Seminars, Assignments)

- |  |     |  |
|--|-----|--|
| e) Preparation of resource material including books regarding materials laboratory Supplied to manuals etc., | } : | Study materials Prepared and the Students  |
| f) Remedial Teaching / Students Counseling   | :   | Regularly receiving feedback from the (academic) students and taking remedial measures |
| g) Any other   | :   | Nil  |

#### **H. Innovations / Contributions in Teaching**

a) Please give a short account of your contribution to

- |   |   |     |
|---|---|-----|
| i) Community work such as values of national integration, Secularism, democracy, Socialism, Humanism, Peace, Scientific Temporalism | : | Nil |
|---|---|-----|

ii) National Literacy mission

- |  |   |                                    |
|--|---|------------------------------------|
| b) Positions held / Leadership role played in organizations linked with extension work and National Service Scheme (NSS) or (NCC) in any other similar activity. | : | NSS Programme Officer (2013- 2017) |
|--|---|------------------------------------|

#### **I. Innovations / Contributions in Teaching**

Please give a short account of your contribution to:

- |  |   |   |
|--|---|---|
| a) College / University / Institution                                      | : | P. M. Thevar College, Usilampatti                     |
| b) Co-curricular Activities  | : | NSS Officer – Unit No:86<br>Women’s Student Councilor |
| c) Enrichment of Campus life (Hostels, Sports, games, Cultural activities) | : | Adviser to Sports , Cultural activities               |
| d) Students welfare and discipline   | : | As a student councilor helping to stress Management   |
| e) Membership / Participation in bodies Committees                         | : | IQAC (Department Activities)-                         |



- |           |   |        |
|-----------|---|--------|
|           | on Education and National Development   | Member |
| f)        | Professional Organization of Teachers   | : Nil  |
| <b>J.</b> | (a) Membership or professional Bodies Committees<br>in Education and National Development | : Nil  |
|           | (b) Editorship of Journals  | : Nil  |
| <b>K.</b> | Any other information   | : Nil  |

Signature of the Teacher