

PASUMPON MUTHURAMALINGA THEVAR COLLEGE, USILAMPATTI

DEPARTMENT OF MATHEMATICS

PERFORMANCE APPRAISAL REPORT

SELF APPRAISAL

A. General Information

- a) Name : **Dr. M.RAJAKALAIIVANAN,**
b) Father's Name : Mr. A. Muniyandi
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 : 01 - 06 - 1979
h) Area of Specialization : General Topology
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

Exam Passed	Subjects	Board / University	Year	Division
High School	General	Board of Secondary Education Tamilnadu	APR.1994	I -Class
Higher Secondary of Pre-Degree	Bio-Maths	Board of Higher Secondary Education Tamilnadu	MAR.1996	II-Class
Bachelor's Degree	Mathematics	Madurai Kamaraj University-Madurai	APR.1999	II-Class
Master's Degree	Mathematics	Madurai Kamaraj University-Madurai	APR.2002	I-Class
Research Degree (s)	M. Phil (Maths)	Madurai Kamaraj University-Madurai	APR.2004	II-Class
	Ph. D (Maths)	Madurai Kamaraj University-Madurai	AUG.2013	-
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.2004	II-Class
Ph.D.,	Mathematics	Madurai Kamaraj University-Madurai	AGU.2013	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.	"Intuitionistic Fuzzy \tilde{g} -Closed Sets" Volume 4, Issue 1-D (2016),	International Journal of Mathematics And its Applications	ISSN: 2347-1557	Peer reviewed	3	Yes	15		
2.	"Further Study of ω -Closed Sets" Volume 4, Issue 1-D (2016), 67-72	International Journal of Mathematics And its Applications	ISSN: 2347-1557	Peer reviewed	2	Yes	15		
3.	"Intuitionistic Fuzzy \tilde{g} -Continuous Functions" Volume 2, Issue 4 (2016) PP 1-11,	International Journal of Current Research in Science and Technology	ISSN: 2394-5745	Peer reviewed	3	Yes	15		

4.	“Intuitionistic Fuzzy Weakly \tilde{g} -Closed Sets” <i>Volume 6 (3), 116 ~ 125 (2016)</i>	South Asian Journal of Math(International Journal)	ISSN 2251 - 1512	Peer reviewed	3	Yes	15		
5.	“Decompositions of Continuity and A_{ω}^* -Continuity” <i>Volume 6 (3), 101 ~ 115 (2016)</i>	South Asian Journal of Math(International Journal)	ISSN 2251 - 1512	Peer reviewed	3	Yes	15		
6.	“Mildly $I_{\tilde{g}}^*$ - Closed Sets” <i>Volume 2, Issue 12 (2016), 9{17.</i>	International Journal of Current Research in Science and Technology	ISSN: 2394-5745	Peer reviewed	2	Yes	15		
7.	New Contra Continuity and Separation Axioms <i>Volume 9, No. 4, April – 2018, 46-52,</i>	International Journal of Mathematical Archive	ISSN 2229 – 5046	Peer reviewed	1	Yes	15		

III (A) (ii) Full Papers in Conference Proceedings:

Sl. No	Title, Vol., Page No. & year	Journal	ISS N/ IS BN	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
2	Midly Generalized Closed Sets Via Ideals	Proceeding of the National Conference on Discrete & Computational Mathematics (NCDCM - 2018)	-	-	1	Yes	10		
3	Decomposition of Generalized Continuty	Proceeding of the National Conference on Discrete & Computational Mathematics (NCDCM - 2018)	-	-	1	Yes	10		

III (B) (i) Books published as single author or as editor:

Sl. No	Title	Publisher, Year	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.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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/Corresponding author	Score by Self	Score by IQAC	Score by Screening committee
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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

Research Programme	Name of the Candidate	Thesis submitted/ Degree awarded	Guide/Co-guide	Title of the dissertation	Date of Viva-Voce examination	Score by Self	Score by IQAC	Score by Screening committee
Ph.D.	Mrs. Jose Little Flower	Ongoing	Dr. M. Rajakalavanan	Studies on Characterization of New Generalized Closed Sets in Topological Spaces				
Ph.D.	Mrs. C. Ramalakshmi	Ongoing	Dr. M. Rajakalavanan	Further Study on Topological and Ideal Topological Spaces				
Ph.D.	Mrs. M. Deepa	Ongoing	Dr. M. Rajakalavanan	Studies on New Continuous Maps in Topological Spaces				
Ph.D.	Mrs. D. Arumugakani	Ongoing	Dr. M. Rajakalavanan	Further Study of Ideal Topological Spaces				
M.Phil.	Mr. M. Marisamy	Completed	Dr. M. Rajakalavanan	Another Generalization of Fuzzy Closed Sets	12.03.2018	5		
M.Phil.	Ms. A. Vijayalakshmi	Completed	Dr. M. Rajakalavanan	Dominating cliques in Graphs	Feb 2016	5		
M.Phil.	Ms. C. Santhakumari	Completed	Dr. M. Rajakalavanan	Some Characterizations Of O Distributive Semilattices And Posets	April 2017	5		
M.Phil.	Ms. D. Senthilkumari	Completed	Dr. M. Rajakalavanan	A Study On Fuzzy Topological Queuing Models	April 2017	5		
M.Phil.	Ms. B. Rajalakshmi	Completed	Dr. M. Rajakalavanan	A Study On Some Remarks In The Study Of Impulsive Differential Equations	April 2017	5		
M.Phil.	Ms. M. Akila	Completed	Dr. M. Rajakalavanan	Studies On Approach Of Fuzzy Metric Space	April 2017	5		
M.Phil.	Ms. G. Gomathi	Completed	Dr. M. Rajakalavanan	A study on decompositions of	April 2017	5		

				product graphs				
M.Phil	Ms. R. Shanmugapriya	Completed	Dr. M. Rajakalaivanan	Further Study on Open and Closed Sets in Bitopological spaces	April 2019	5		

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,	05.05.2010	01.06.2010	UGC-Academic Staff College, Madurai Kamaraj Univerisity, Madurai	10		
2.	Refresher Course in Fuzzy Topology	07.02.2012	27.02.2012	UGC-Academic Staff College, Madurai Kamaraj Univerisity, Madurai	10		
3.	Refresher Course in Mathematics and Statistics	05.07.2017	25.07.2017	UGC-Academic Staff College, Bharathiyar University, Coimbatore	10		
4.	Refresher Course in Mathematic	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:

Sl. No.	Title of paper	Title of conference/Seminar & Date etc.	Organized by	Score by Self	Score by IQAC	Score by Screening committee
1.	Decomposition of a weaker form of continuity	National Conference on Recent Advances in Pure and Applied Mathematics	Dept of Mathematics, Arul Anandar College, Karumathur, Madurai.	5		
2.	Decompositions of ω -continuity in ideal topological	International Conference on Advances in Engineering Science and Technology	SBM College of Engeineering and Technology, SBM Nagar, Dindugal.	5		
3.	Attended	Conference on Applied Stochastic Methods,	School of Mathematics, Madurai Kamaraj University, Madurai.	3		
4.	Attended	Seminar on VISTAS IN MATHEMATICS	Dept. of Mathematics, Sri S Ramasamy Naidu Memorial College, Sattur, Viruthunagar(Dis)	3		

5.	Attended	Conference on Mathematics Science – 2014	School of Mathematics, Madurai Kamaraj University Madurai.	3		
6.	Attended	Workshop on Recent Trends in Graph Theory	Dept of Mathematics, Navarasam Arts & Science College, Arachalur, Erode.	3		
7.	Attended	Conference on Discrete & Computational Mathematics	Dept of Mathematics, University of Kerala, Kariavattom, Thiruvananthapuram, Kerala.	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	Conference on Applied Stochastic Methods	National	Attended	School of Mathematics, Madurai Kamaraj University, Madurai.	2012
2	Seminar on VISTAS IN MATHEMATICS	State	Attended	Dept. of Mathematics, Sri S Ramasamy Naidu Memorial College, Sattur, Viruthunagar(Dis)	2013
3	Conference on Mathematics Science – 2014	International	Attended	School of Mathematics, Madurai Kamaraj University Madurai.	2014
4	Conference on Recent Advances in Pure and Applied Mathematics	National	Paper Presented	Dept of Mathematics, Arul Anandar College, Karumathur, Madurai.	2015
5	Conference on Advances in Engineering Science and Technology	International	Paper Presented	SBM College of Engeeneering and Technology, SBM Nagar, Dindugal.	2016
6	Workshop on Recent Trends in Graph Theory	National	Attended	Dept of Mathematics, Navarasam Arts & Science College, Arachalur, Erode.	2016
7	Conference on Discrete & Computational Mathematics	National	Paper Presented	Dept of Mathematics, University of Kerala, Kariavattom, Thiruvananthapuram. Kerala.	2018

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) : **13 Years and 2 Months**
- (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 : Power Point Presentation and Smart Classes
- 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 from : Regularly receiving feedback 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 Temperament : 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. : Nil

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 : Student Councilor, College Calender
Preparation Committee - Member
- 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 on Education and National Development : IQAC (Department Activities)- Member
- f) Professional Organization of Teachers : Nil
- J.** (a) Membership or professional Bodies Committees in Education and National Development : Nil
- (b) Editorship of Journals : Nil
- K.** Any other information : Nil

Signature of the Teacher