

**Government Arts college
(Autonomous), Coimbatore –18
Performance - Teacher
Appraisal Report**

i) General Information

- a) Name : **Dr.S.JOTHIMANI**
- b) Address (Residential) : 6/4,Kumaran Street,
Narasimmapuram,
Kuniamuthur,
Coimbatore-8
- c) Designation : Associate Professor
- d) Department : Mathematics
- e) Date of Birth : 01.05.1970
- f) Area of Specialization : Fluid Dynamics



A) Academic Qualifications

Examination passed	Board / university	Subject	Year	Division grade/merit etc.,
B.Sc.	Bharathiar	Mathematics	1990	I
M.Sc.	Bharathiar	Mathematics	1992	I
M.Phil.	Bharathiar	Mathematics	1993	I
Ph.D.	Bharathiar	Mathematics	2003	

Research stage	Title of thesis	University where the work was carried out.
M.Phil.	Heat Transfer In Oscillatory MHD Channel Flow	Bharathiar
Ph.D.	Studies in ferrofluid flows	Bharathiar
No of Publication	21	
Research guidance (give the names of students guided successfully)	1. T . JENITHA PREMALATHA(Ph.D.- PT) 2. T.VEERESWARI (M.Phil.- PT) 3. VIDHYA.D (M.Phil.- PT) 4. MS.S.BHUVANESHWARI (M.Phil. - FT) 5. MS. R. GUNAVATHI (M.Phil. - FT)	
Training(please specify)		

B) Research Projects carried out :NIL

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks

C) Seminars, Conferences, Symposia Workshops etc. attended

Name of the Seminars / Conferences / Symposia / Workshops etc	Name of the Sponsoring Agency	Place and Date
National Conference on the Emerging trends in Pure and Applied Mathematics		ST.Xavier's College (Autonomous),Palayamkottai 27-29, January 2005
SACOEERENCE		Dr.Sivanthi Aditanar College of Engineering,Tiruchendur, 18 th &19 th August 2005
LATEX-The Document Preparation System		NGM College, Pollachi on 25 th October 2005
Two days National level workshop on Recent Developments in Computational systems simulation and modeling	DRDO	V.L.B. Janakiammal College of Engineering & Technology, Kovaipudur, Coimbatore – 641 042 on 29 th and 30 th April 2009
MATLAB & LABVIEW – Practical Applications		V.L.B. Janakiammal College of Engineering & Technology, Kovaipudur, Coimbatore – 641 042 on 30 th and 31 st December 2009
“Two days virtual workshop on LaTeX-A documenting Research tool”		Department of Mathematics (PG), PSGR Krishnammal College for Women,CBE.on 25th and 26 th August 2020.
“An Introductory concept of Fluid Dynamics”		PG Department of Mathematics, K.S.Rangasamy College of Arts and Science(Autonomous), Tiruchengode on 27.08.2020.
“Foundation of Vedic Mathematics”		PG and Research Department of Mathematics, Government Arts College, CBE.,from 31.08.2020 to 04.09.2020.
Two days workshop on Algebraic Topology		20 th and 21 st Jan'2023, NGM College, Pollachi

iii) Teaching Experience

Courses Taught	Name of University/ College/Institution	Duration	
		Period of employment From - To	Years of Experience
B.E., M.E., MBA	V.L.B. Janakiammal College of Engineering and Technology, Coimbatore-42	2001-2011	10 Years
B.Sc., M.Sc.	L.R.G. Government Arts College for Women, Tiruppur-4	2011-2015	4 Years
B.Sc., M.Sc.	Government Arts College (Autonomous), Coimbatore-18	2015-till date	

Total Teaching Experience (in years and months) :

a)	Under-graduate	23 Years
b)	Post-graduate	15 Years
c)	Research	18 Years

viii) Innovations/ Contributions in Teaching

a) Design of Curriculum :	Nil
b) Teaching methods :	Nil
c) Laboratory experiments :	Nil
d) Evaluation methods :	Nil
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	Nil
f) Remedial Teaching / Student Counseling (academic) :	Tutor- 20 Years
g) Any other :	Nil

IX) Research Contribution

a). PhD/M.Phil undergoing scholars

Sl. No	Name of the PhD/ M.Phil(PT/FT) Scholar	Name of the University	Broad Field	Registration Number	Year of registration
1.	Ms. C. Arruna Nandhini	Bharathiar	Fluid Dynamics	21309/B5/2020	2021
2.	K.Sharmilaa	Bharathiar	Fluid Dynamics	28321/B1/2016	2016
3.	T.Vidhya	Bharathiar	Fluid Dynamics	2338/B1/2013	2013
4.	B. Sasikala	Bharathiar	Fluid Dynamics	20042/B1/2017	2012

b). PhD/M.Phil Awarded

Sl. No.	Name of the PhD/M.Phil (PT/FT) scholar	Name of the University	Title of the thesis	Year of registration of the scholar	Year of award of Ph.D.
1.	T.JENITHA PREMALATHA (Ph.D.-PT)	Bharathiar	A Study on II Generalized β -Closed Sets in Intuitionistic Fuzzy Topological Spaces	2012	2021
2.	T.VEERESWARI (M.Phil. -PT)	Bharathiar	Effects Of Transverse Magnetic Field And Mass Transfer On Unsteady Free Convection Flow Between Two Heated Vertical Plates	2012	2014
3.	VIDHYA.D (M.Phil. -PT)	Bharathiar	Slip Flow Effects In MHD Couette Flow With Conducting Walls	2012	2014
4.	Ms. S. BHUVANESHWARI (M.Phil. - FT)	Bharathiar	Radiation Absorption Effects on Heat and Mass Transfer MHD Free convection flow over an inclined plane embedded in a porous medium	2016	2018
5.	Ms. R. GUNAVATHI (M.Phil. - FT)	Bharathiar	Effect of chemical reaction on MHD boundary layer flow and heat transmission on infinite porous hot horizontal continuous moving plate	2017	2019

X) Extension Work/ Community Service : NIL

A) Please give a short account of your contribution to:

B) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity

C) Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	
b) Co-curricular Activities	
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	
d) Students Welfare and Discipline	
e) Membership / Participation in Bodies	
f) Professional Organization of Teachers	

D.(a) Membership of Professional Bodies, Societies, Editorship of Journals etc.

E. Any other information

LIST OF PUBLICATIONS AS ON 05.08.2023

1. Combined effect of radiation absorption and exponential parameter on chemically reactive Casson fluid over an exponentially stretching sheet - Partial Differential Equations in Applied Mathematics. 8 (2023) :100534.
2. Effect of chemical reaction and radiation absorption on MHD Casson fluid over an exponentially stretching sheet with slip conditions: ethanol as solvent - The European Physical Journal Plus 138(1): 1-17.
3. Unsteady MHD Chemically Reactive Flow of a Methanol blended Casson Fluid over an Exponentially Stretching Surface - Mathematical Statistician and Engineering Applications 71(4): 2248-2260.

4. Dufour Effect on MHD Free Convection Flow of Non-Newtonian Fluid through a Vertical Porous Plate with Radiation Absorption and Chemical Reaction -International Journal of Advanced Science and Technology. 29(4):400 – 413.
5. Intuitionistic Fuzzy Almost $\pi G\beta$ Continuous Mapping – Int. Sci. Ref. Res. J. published by Shodhshauryam, **1**(1), (2018) 28-43.
6. On Almost $\pi G\beta$ -closed mappings and contra $\pi g\beta$ -closed mappings in intuitionistic Fuzzy topological spaces – Int J of Sci Res in Math and Stat Sci- **5**(4), (2018). 247-25.
7. Intuitionistic Fuzzy $\pi G\beta$ -closed Mappings- Math. Sci. Lett.**6**(1), (2017) 1-7
8. A Note on (i, j)- $\pi g\beta$ Closed Sets in Intuitionistic Fuzzy Bitopological Spaces - Computer Science **2**(2), (2017), 14-19.
9. $\pi G\beta$ -connectedness in intuitionistic Fuzzy Topological spaces – Sci Publishing group, **3**(6), (2017), 65- 70.
10. More technological aspect on intuitionistic fuzzy $\pi G\beta$ - homeomorphisms- Int J of Eng and Future Tech- **1**(1) (2016), 43-54.
11. $\pi G\beta$ -normal space in intuitionistic fuzzy topology–Adv. Math. Models & App. **1**(1), (2016), 55-67.
12. Mixed convection of non-Newtonian fluid flow and heat transfer over a non-linearly stretching surface - International Journal of Advances in Applied Mathematics and Mechanics **3**(1): 28-35
13. Intuitionistic Fuzzy $\pi G\beta$ -irresolute Mappings its weak and stronger forms - AGU Int. J.of Sci & Tech , **1** (2015), 86-97
14. Non-Newtonian fluid flow and heat transfer over a non-linearly stretching surface along with porous plate in porous medium - International Journal of Engineering Research and Applications. **4**: 5-13.
15. Intuitionistic Fuzzy $\pi G\beta$ closed set - Int. J.Adv.Appl. Math. and Mech. **2**(2), (2014), 92-101
16. Efficient 2-domination number in circulant graphs. - Far East Journal of Mathematical Sciences **89.1** (2014): 21.
17. Intuitionistic Fuzzy π - Generalized Semi Pre-Closed Sets - Asian Journal of Current Engineering and Maths, **1**(5), 266 – 270.
18. Couette flow of ferrofluid under spatially uniform sinusoidally time-varying magnetic fields – Indian Journal of Pure &Applied Physics. **40**:185-195.
19. Oblique magnetic field effects over stability in superposed viscous ferrofluids - Journal of Magnetism and Magnetic materials. **222**(1-2): 1-7.

- 20.** Comments on “Hydromagnetic slip flow with heat transfer in an inclined channel” - Czechoslovak Journal of Physics 48(1): 89-96.
- 21.** Heat transfer in unsteady MHD oscillatory flow - Czechoslovak Journal of Physics. 46(9): 825-838.

(Signature of the Teacher)