

FACULTY PROFILE

1. Name : Dr.M.Eswaramurthi
2. Designation :Professor and Head
3. Qualification : M.Sc.,M.Phil.,Ph.D
4. Department : Science and Humanities
(Mathematics)
5. DOB & Age as on 28.02.2022 : 10.06.1963 and 58 years
6. Gender : Male
7. Address : 41-B, Rajiv Nagar, Thindal (Post),Erode-638012
8. Phone –Mobile : 9487149205
9. E_mail ID : meswaramurthi@gmail.com
10. Marital Status : Married
- 11 Languages Known : Tamil, English
12. Particulars of Educational Qualification : M.Sc.,M.Phil.,Ph.D
13. Additional Qualification : Nil
14. Title of Ph.D. Thesis : Effect of density maximum temperature of water
on natural convection in a porous cavity
15. Faculty in which Ph.D. was awarded/doing : Mathematics
16. Area of Specialization : Computational Fluid Dynamics
17. Academic Experience as on 28.02.2022 :



Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Velalar College of Engineering and Technology, Erode	Professor	12.12.2011	Till date	10	2	16
K.P.R. Institute of Engineering and Technology, Coimbatore	Professor	28.11.2009	30.10.2011	1	11	
Kongu Engineering College, Erode	Assoc. Professor	27.11.2000	27.11.2009	9		
Kongu Polytechnic, Erode	Sr.Lecturer	10.08.1994	26.11.2000	6	3	
Total				27	4	16

18. Research Experience :12 years

19. Number of Ph.D. candidates successfully completed : 2

20. Number of Ph.D. candidates currently working : NIL

21. Publications:

i) Books

Sl. No.	Author/s	Title	Publisher	Year of publication	Page No.
1	Dr.M.Eswaramurthi Dr.C.S.Gowri	Mathematics II	McGraw-Hill Education(India), Private Limited, Chennai	2016	978-93-5260-501-9
2	Dr.M.Eswaramurthi Dr.C.S.Gowri Mrs.A.Ramya	Mathematics I	Charulatha Publications, Chennai	2017	978-93-86532-41-1
3	Dr.M.Eswaramurthi Dr.K.Rathi	A Textbook of Mathematics for Engineers	Pearson India Education Services Pvt. Ltd.. Uttar Pradesh, India	2018	978-93-525-6741-7

ii) Articles in Journals

Sl. No.	Title of Article	Journal	Volume No.	Page No.	Month & Year
1	Effect of density maximum of water on natural convection in a porous cavity	J. Porous Media	11(2)	179-191	Nov - 16 2006.
2	Density maximum effect on buoyancy-driven convection of water in a porous cavity with variable side wall temperatures,	Int. J. Heat Mass Transfer	51(7-8)	1955-1961	June -8 2007
3	Density maximum effect on double-diffusive natural convection in a porous cavity with variable wall temperature	Transport in Porous Media	73	195-210	September -15 2007

4	Transient buoyancy-driven convection of water around 4 ⁰ C in a porous cavity with internal heat generation.	Physics of Fluids	20	087104- (1 to 10)	July- 1 2008
5	Transient double-diffusive convection of water around 4 ⁰ C in a porous cavity.	ASME. Journal of Heat Transfer	131(5)	052601 – 052607	May 2009
6	Numerical Investigation of Natural Convection Heat Transfer in a Square Cavity	International Journal of Engineering Research and Technology	4(7)	241-247	July 2015
7	Numerical Investigation of Natural Convection Heat Transfer in a Square Cavity with the Influence of Prandtl Number	International Journal of Applied Engineering Research	10(11)	30019- 30028	July 2015
8	Numerical Investigation of Laminar Natural Convection in Inclined Square Enclosure with the Influence of Discrete Heat Source	Journal of Applied Mathematics	Volume 2015 Article ID 985 218	9 Pages	Oct 2015
9	Numerical study on free convection of cold water in a square porous cavity heated with sinusoidal wall temperature	International Journal of Numerical Methods for Heat and Fluid Flow	27(4)	1000- 1014	2017
10	Free Convection of Water near its Density Maximum in a Heat Generating Porous Cavity with Sinusoidal Heating	IOP Conference Series: Materials Science and Engineering	390(1)	012095	July 2018
11	Influence of Density Inversion and Sinusoidal Heating on Dual Diffusive Convection in a Water Saturated Square Porous Box	IOP Conference Series: Materials Science and Engineering	1139(1)	012072	Dec 2018

22. Summer schools / Workshops / Seminars / Symposium / Conferences, etc., attended

S. No.	Period		Name of the Event	Topic / Title	Organized by	Only participated	Participated and presented the paper
	From	To					
1	24.02.2000	25.02.2000	National Seminar	Recent Developments in Applied Mathematics	Department of Mathematics, Bharathiar University, Coimbatore.		
2	21.03.2000	22.03.2000	State Level Conference	Mathematics in Computers	Department of Mathematics, PSG College of Arts and Science, Coimbatore.		
3	02.04.2000	02.04.2000	Seminar	Discrete Analysis in Mathematics	SAHITHI(An Institution for Research and Extension of Education), Coimbatore.		
4	18.08.2006	19.08.2006	Seminar	Mathematical Modelling and Computer Simulation	Kongu Engineering College, Erode.	Participated	
5	26.10.2006	28.10.2006	International Conference	Frontiers in Fluid Mechanics	Department of Mathematics, Bangalore University, Bangalore-1.	Presented	Effect of density maximum of water on natural convection in a porous cavity.

6	26.01.2007	27.01.2007	Seminar	Fuzzy Image Processing	Kongu Engineering College,Erode.	Participated	
7	14.01.2009	16.01.2009	International Conference	Modelling of Engineering & Technological Problems	BMAS Engineering College, Keetham, Agra.	Presented	Convecti on of density maximum fluid with internal heat generatio n in a porous cavity.
8	06.02.2009	07.02.2009	National Conference	Modern Trends in English Language Teaching and Learning Industry Institute Perspectives.	Department of English, Kongu Engineering College,Erode.	Participated	
9	13.03.2009	13.03.2009	National Conference	Industrial Applications of Mathematics	Kongu Engineering College,Erode.	Participated	
10	19.02.2010	19.02.2010	National Conference	Recent Trends in Fluid Dynamics	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.		Heat and Mass Transfer in Porous Cavity

11	27.01.2011	28.01.2011	UGC Sponsored National Seminar	Recent Trends in the Applications of Mathematical Sciences	Vellalar College for Women, Erode		Thermo Gravitational Convection in a non-darcian Porous Cavity
12	17.03.2012	17.03.2012	National Conference	Recent Trends in Modern Science and Linguistics	Department of Science and Humanities, Velalar college of Engineering & Technology, Erode	Presented	Thermo Gravitational Convection in a non-darcian Porous Cavity
13	17.06.2013	18.06.2013	National Seminar	Security Issues in Cloud Computing	Department of CSE, Velalar College of Engineering and Technology, Erode.	Participated	
14	06.11.2015	06.11.2015	Workshop	Intellectual Property Rights and Innovations	Velalar College of Engineering and Technology, Erode-12	Participated	
15	06.01.2016	06.01.2016	Workshop	Teaching and Learning through Google Drive and Blogs	Velalar College of Engineering and Technology, Erode-12	Participated	
16	21.11.2016	26.11.2016	Workshop	Teachers' Enrichment Workshop for Mathematics Teachers of Engineering Colleges	The Institute of Mathematical Sciences, Chennai	Participated	

23. Refresher / Orientation course / FDP, etc., attended

Sl. No	Period		Topic / Title	Organized by	Expenses met by VCET / Own / Organizer
	From	To			
1	08.10.2001	08.10.2001	Quality System Awareness	ZANDIG TQM Solutions Pvt.Ltd,Bangalore.	
2	28.11.2004	11.12.2004	Fuzzy Neural Network	Kongu Engineering College,Erode.	
3	30.07.2009	01.08.2009	Applications of Non-Linear Dynamics in Engineering and Technology	Department of Physics,PSG College of Technology,Coimbatore.	
4	22.04.2010	22.04.2010	Team Works	KPR School of Business,Coimbatore .	
5	31.12.2013	31.12.2013	Numerical Techniques with computer applications for the problems of Engineering	Department of Mathematics, Velalar college of Engineering & Technology, Erode	
6	28.11.2017	11.12.2017	Contemporary Issues on Effective Teaching in Management Studies	Department of MBA, Velalar College of Engineering and Technology	
7	13.07. 2018	15.07.2018	AICTE-sponsored FDP for students induction program for AICTE approved	PSG College of technology, Coimbatore-641 004	

			institutions		
8	17.06.2019	23.06.2019	Student Induction Programme	PSG Institute of Technology and Applied Research, CBE	

24. Seminars / Conferences / Symposia / STTP / SDP / Workshops organized

Sl. No	Date	Event	Status as organizer	Topic / Title	Name of the funding agency	Grant (Rs.)	Status (Applied/Granted/In Progress / Completed) If completed the date of submission of UC with reference
1	31.12.2013	Workshop	Coordinator	Workshop on Numerical Techniques with Computer Applications for the Problems of Engineering	CSIR	20,000	Completed
2	27.03.2014	Seminar	Coordinator	Seminar on Applications of Statistical Quality Control	CSIR	20,000	Completed
3	08.12.2014 - 14.12.2014	FDTP	Coordinator	A Seven days FDTP on MA6451 Probability and Random Processes	Anna University, Chennai	25,000	Completed
4	22.02.2018	Workshop	Coordinator	Applications of Graph Theory in Communication Networks	CSIR	20,000	Completed
5	14.12.2018	Seminar	Coordinator	One Day National Seminar on	CSIR	15,000	Completed

				Fuzzy Clustering in Image Segmentation by Markovian Random Fields			
6	26.11.2018	Workshop	Coordinator	National Workshop on Application of Graph Labeling in Communication Networks	CSIR	15,000	Completed
7	22.03.2019	Seminar	Coordinator	One Day National Seminar on Applications of Mathematics in Cryptography and Information Security	CSIR	15,000	Completed
8	15.05.2019	Workshop	Coordinator	One Day National Level Workshop on Graph – Theoretic And Algorithmic Aspects Of Social Media Networks	CSIR	15,000	Completed
9	10.07.2019	Seminar	Coordinator	One Day National Seminar on Applications of Mathematics in Artificial Intelligence and Machine Learning	CSIR	20000	Completed

10	09.08.2019	Seminar	Coordinator	One Day National Seminar on Dynamical Systems & Differential Equations	CSIR	15,000	Completed
11	18.09.2019	Seminar	Coordinator	One Day National Seminar on Emerging Applications of Number Theory	CSIR	15,000	Completed

25. Referee ship / Editorship of Journals, Conferences/Seminars chaired etc.:

Sl. No.	Name of the Journals and Conferences/ seminar	Organized by	Date / Period
1	CSIR Sponsored national seminar – Talk	Kongu Engineering College, Erode.	03.12.2009
2	UGC Sponsored National Seminar – Rapporteur	Vellalar College for Women, Erode	27.01.2011- 28.01.2011
3	International Conference – Talk	National Institute of Technology, Calicut, Kerala.	28.03.2011- 31.03.2011
4	National Conference- Talk	M.Kumarasamy College of Engineering ,Karur.	05.04.2013
5	IETE Sponsored Workshop- Talk	Velalar College of Engineering and Technology,Erode.	20.07.2013
6	CSIR Sponsored National Workshop – Talk	P.A.College of Engineering and Technology,Coimbatore.	29.08.2013
7	National conference- Chairperson	PG Department of Mathematics, Vellalar college for women, Erode.	09.01.2014
8	First year Inauguration - Talk	M.Kumarasamy College of Engineering ,Karur.	18.03.2014
9	First year Inauguration - Talk	M.Kumarasamy College of Engineering ,Karur.	05.04.2014
10	Science Association Inauguration Talk	P.K.R Arts College for Women	17.7.2015

11	Invited Talk – National Seminar on “Modelling and Scientific Computing in Mathematical Engineering”	PA College of Engineering and Technology, Pollachi	07.04.2017
12	Peer committee member - CSIR sponsored Two day National Conference on “Modern Mathematical Methods and High Performance computing in Manufacturing and Industrial Engineering Systems”	P.A. College of Engineering and Tehcnology, Pollachi – 642 003	24.01.2018 - 25.01.2018
13	Invited Talk – ICMR sponsored National Seminar on :Modeling the Human Cardiovascular System: The Factors that affect Blood Flow Rate”	P.A. College of Engineering and Tehcnology, Pollachi – 642 003	14.02.2018 - 15.02.2018
14	Invited Talk – CSIR Sponsored A Two-Day National Seminar on “Mathematical Modelling and Computational Methods Applied to Nuclear Science and Engineering”	P.A. College of Engineering and Tehcnology, Pollachi – 642 003	04.10.2018
15	Acted as Jury – MATH EXPO-2018	Velalar College for Women, Erode-12	27.12.2018
16	Inspirational Talk-VINCULUM – 18	A.V.P. College of Arts and Science, Tirupur	28.12.2018
17	Invited Talk - CSIR Sponsored Two-Day National Seminar on “Fuzzy Mathematical Models for Controlling Aircraft and Satellites”	P.A. College of Engineering and Tehcnology, Pollachi – 642 003	06.02.2019
18	Invited Talk on “Applications of Mathematics from the Perspective of Graduates of Mathematics” at “Mathemagic Association Meeting”	Department of Mathematics, Vellalar College for Women, Erode 12	20.02.2019
19	Resource Person – “Professional Development Programme”	Department of Mathematics, P.K.R. Arts College for	07.06.2019

		Women, Gobi	
20	Invited Talk - CSIR Sponsored Two-Day National Workshop on “Recent Scientific and Technological Advancements of Mathematical Approaches in Inventive Science and Engineering”	P.A. College of Engineering and Tehcnology, Pollachi – 642 003	13.06.2019
21	Invited Talk – “FDP on Teaching Technique in Mathematics”	A.V.P College of Arts and Science, Tirupur	03.01.2020
22	Chief Guest - International Conference on “Recent Trends in Materials and Manufacturing”	Velalar College of Engineering and Technology, Erodev-12	20.11.2020
23	Acted as Jury - ‘MATH EXPO-2021’	PG Department of Mathematics, Vellalar College for Women, Erode-12	18.12.2021
24	Resource Person - the “National Science Day Celebrations – Tributes to Sir C V Raman”	Department of Mathematics, P.K.R Arts College for Women	28.02.2022

26. Chairman/Member of Authority/Committee etc:

Sl. No.	Chairman/Member/Secretary	Committee/Authority	Year (From-To)
1	Officer incharge for Curriculum Development Centre	Kongu Engineering College	2008-09
2	Board of Studies	M.Kumarasamy College of Engineering ,Karur.	2014-15
3	Board of Studies	Velalar College of Engineering and Technology	From 2016 onwards

27. Contribution for the Development of the Institution/ Department

A	To The Institution	(i) Organised six Seminars and four workshops funded by CSIR. (ii) Organized one FDTP funded by Anna University, Chennai.
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		(iii) An Orientation was Organised for the benefit of the students by Krishna Varadharajan as a Resource Person.
B	To the Department	(i) Students and faculty members Counselling (iii) Promoting Research activities.

29. Awards/Recognitions : Honoured for his meritorious service in the field of technical Education