


FACULTY PROFILE

Name of the Faculty:		Dr. Balaiah Mothukuri				
Designation:		Assistant Professor				
Department:		Mathematics				
Date of Birth:		19-03-1981				
AICTE – ID:	1-2184750313					
Education	<ul style="list-style-type: none"> Ph.D. in Fixed Point Theory and Applications awarded in December, 2014 from GITAM University, Visakhapatnam. M.Phil. in Mathematics with First class from Department of Mathematics, Andhra University, Visakhapatnam from 2006- to 2007. M.Sc. in Mathematics with First class from Sir C.R.R. College, Eluru from 2003- to 2005. B.Sc. in Mathematics, Physics, Electronics with First class from A.S.N. Degree College, Tenali from 1999-2002. 					
Experience	Teaching: 15 Years	Industry: 0 Years	Total: 15 Years			
	Research: 7 Years	Others: 0 Years				
Research Specialization		Fixed Point Theory and Applications, Algebra				
Courses taught	<ol style="list-style-type: none"> 1. Linear Algebra and Ordinary Differential Equations (20MA101) 2. Numerical Methods and Advanced Calculus (20MA102) 3. Probability and Statistics (20MA301) 4. Complex Variables and Special Functions (20MA401) 5. Algebra-I 6. Algebra – II (GALOIS THEORY) 7. Statistics with R Programming 					
Research contributions						
International/national peer reviewed journals						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1.	A fixed point theorem on asymptotic contractions	Math. Commun.	2007	12	191-194	Google scholar
2.	A fixed point theorem in cone metric spaces under weak contractions	Gen. Math. Notes	2011	7	38-44	Google scholar
3.	On non metrizable of cone metric spaces	Int. J. Math. Sci. & Appls	2011	1	1533-1535	Google scholar

4.	A fixed point theorem for cone convex contractions of order $m \geq 2$	Int. J. of Math. Sci. & Engg. Appl	2012	6	263-271	Google scholar
5.	A common fixed point theorem for two self-maps on a cone metric space with w -distance	Int. J. Math. Res.	2012	4	689-697	Google scholar
6.	Existence of common fixed points for a pair of self-maps on a cone metric space under B. C. Control condition	Adv. in Fixed Point Theory	2013	3	49-59	Google scholar
7.	A coincidence point theorem for a pair of self- maps on a partially ordered cone metric space	J. of Adv. Res. in Pure Math.	2013	5	98-106	Google scholar
8.	A coincidence point theorem for expansive maps under C-distance in cone metric spaces	Int. J. of Math. Arch	2013	4	204-211	Google scholar
9.	A fixed point theorem in a lattice ordered semi group cone valued cone metric spaces	The Journal of Nonlinear Science and Applications	2013	6	285-292	Google scholar
10.	A fixed point theorem in generalized metric spaces	International Journal of Scientific and Innovative Mathematical Research	2015	3	50-52	Google scholar
11.	On minimal prime filters of Almost Distributive Lattices	Global Journal of Pure and Applied Mathematics	2017	13	7153-7161	Google scholar
12.	The space of minimal prime D-filters of Almost Distributive Lattices	Discussiones Mathematicae-General Algebra and Applications	Accepted for publication			Scopus
13.	W-filters of Almost Distributive Lattices	Journal of Algebraic Systems	Accepted for publication			Scopus

Books published

S. No.	Title of the book	Publisher	year
1	NIL		

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	NIL			

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	NIL			

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1	NIL		

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1	One Week Online FDP on "Mathematical Modelling and Computation in Engineering"	Department of Science and Humanities at SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad, U.P.	24-07-2023 to 30-07-2023
2	National webinar on Applications of Mathematics in Recent Times	Department of Mathematics, Ghatal Rabindra Satabarsiki Mahavidyalaya, Ghatal, West Bengal.	19-06-2023
3	International Conference on Recent advances and applications in Mathematical Sciences"	Department of Mathematics, Andhra Loyala College, Vijayawada	14-03-2023 to 16-03-2023
4	Five Day National Level Online FDP on Effective Pedagogy for Science	Department of Physics and Mathematics JMJ College for Women, Tenali	29-11--2022 to 03-12-2022
5	Two day workshop on "Research Methodologies and Scientific Publishing"	Bapatla Engineering College, Bapatla	28-10-2022 to 29-10-2022
6	AICTE Recognized Faculty Development Programme on "Outcome Based Curriculum Design"	National Institute of Technical Teachers training and Research	05-09-2022 to 09-09-2022
7	International Conference on	Vasireddy Venkatadri	17-02-2022 to 18-

	“Multidisciplinary Research in Sciences and Humanities”	Institute of Technology	02-2022
8	Two day International Conference on Recent Advances in Nonlinear Functional Analysis and its Applications”	Department of Mathematics, Andhra University	29-01-2022 to 30-01-2022
9	One-week Short Term Training Programme on “Statistics with R Programming”	Department of Mathematics, Narasaraopeta Engineering College, Narasaraopeta	24.06.2019 to 29.06.2019
10	Two-day National Conference “Recent Advances in Mathematics and Mathematical Sciences”	Department of Mathematics, Mrs. A.V.N. College, Visakhapatnam	13-10-2018 to 14-10-2018
11	One-week Faculty Development Programme on “Machine Learning and its Realtime Applications”	Department of Information Technology, Pragati Engineering College	27.08.2018 to 01.09.2018
12	Two weeks Short Term Course on “Fixed Point Theory and Dynamical Systems”	IIT (BHU), Varanasi	20.11.2017 to 30.11.2017
13	One-week Faculty Development Programme on “Statistics with R”	Electronics & ICT Academy, National Institute of Technology, Warangal.	26.11.2016 to 01.12.2106
14	A two-day workshop on “Multivariate analysis through R Software	Gudlalleru Engineering College, Gudlalleru	12.11.2016 to 13.11.2016
15	Two-day National Seminar on “Recent Trends and Applications in Mathematics and Statistics	Department of Mathematics and Statistics, P.R. Govt. College, Kakinada.	28.09.2016 to 29.09.2016
16	Two-day National workshop on “Evolutionary Computing Techniques: Theory & MATLAB Implementation	Pragati Engineering College.	23.04.2016 to 24.04.2016
17	National Conference on Emerging Trends in Mathematical Sciences and Engineering Applications	Department of Mathematics, JNTUK, Kakinada.	23.05.2014 to 24.05.2014
18	“International Conference on Algebra and Applications	Department of Mathematics, Andhra University, Visakhapatnam	29.04.2014 to 01.05.2014
19	One day workshop on “Professional Development	Pragati Engineering College, Surampalem	02.03.2014
20	Conference on “Recent Trends in Applications of Mathematics in Science and Technology (RTAMST)”	Department of Mathematics, GIT, Gitam University and Visakhapatnam.	15.04.2011 to 16.04.2011
21	National Seminar on “Recent Trends	Department of Mathematics, Andhra	29.12.2006 to

	in Algebra and Applications”	University, Visakhapatnam.	31.12.2006		
Awards/recognitions/achievements					
S.No.	Name of the Award	Awarding body/Society/Organization	Year		
1	NIL				
Details of project proposals submitted/sanctioned/completed					
S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration
	NIL				
Consultancy contribution					
S.No.	Year	Amount	Details		
1	NIL				
Student Project/research guidance					
S.No	Level	Total number			
1	UG	Completed: NIL		Ongoing: NIL	
2	PG	Completed: NIL		Ongoing: NIL	
3	PhD	Completed: NIL		Ongoing: NIL	
Administrative experience					
S.No.	Role	Duration (From – to)			
1	Head - Department of Basic Sciences & Humanities at Pragati Engineering College (Autonomous)	25-01-2016 to 05-02-2021			
2	Member - College Academic Committee at Pragati Engineering College (Autonomous)	25-01-2016 to 05-02-2021			
3	Member - Academic Council at Pragati Engineering College (Autonomous)	25-01-2016 to 05-02-2021			
4	Chairman - Board of studies at Pragati Engineering College (Autonomous)	25-01-2016 to 05-02-2021			
5	Member – Board of studies at Aditya Engineering College (Autonomous)	02-11-2017 to 19-05-2017			
6	Member for Faculty Ratification of Department of Mathematics at Aditya Engineering College (Autonomous)	14-03-2022 to 25-03-2022			

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?user=rGfXOvIAAAAJ&hl=en
SCOPUS	NIL
Web of Science	https://www.webofscience.com/wos/author/record/JDN-3862-2023
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/323984

Any other relevant information

ACHIEVEMENTS

- ✓ Certified **Elite tag** with 68% in NPTEL online certification course “Advanced Calculus for Engineers” during July-Oct-2022.
- ✓ Certified **Elite & Silver** tag with 75% in NPTEL Online Certification Course and received **FDP Certificate** from NPTEL for the subject “*Mathematical Methods and its Applications*” during January – April, 2019.
- ✓ Conferred with **Gold and Elite tag certificate** and stood **Topper of Top 2%** in NPTEL online certification Course on “*Matrix Analysis with Applications*” with **94%** during Aug-Sept 2018.
- ✓ Introduced and taught the new course “**Statistics with R Programming**” as BOS Chairman for R16 Regulation of Pragati Engineering College (Autonomous) in II B. Tech I Semester for Computer Science Engineering & Information Technology Branches.
- ✓ Certified **Elite with 77%** in NPTEL Online Certification course for the subject “*Introduction to R Software*” during July – September 2017.
- ✓ **Ratified** as Assistant Professor of Mathematics by JNTUK in July 2013.

COURSERA ONLINE CERTIFICATION COURSES

- ✓ Successfully completed the course “Matrix Algebra for Engineers” an online non-credit course authorized by The Hong Kong University of Science and Technology and offered through Coursera on 19th May 2020.
- ✓ Successfully completed the course “Vector Calculus for Engineers” an online non-credit course authorized by The Hong Kong University of Science and Technology and offered through Coursera on 19th May 2020.
- ✓ Successfully completed the course “Differential Equations for Engineers” an online non-credit course authorized by The Hong Kong University of Science and Technology and offered through Coursera on 19th May 2020.
- ✓ Successfully completed the course “Programming for Everybody (Getting Started with Python)” an online non-credit course authorized by University of Michigan and offered

through Coursera on 30th May 2020.

PROFESSIONAL MEMBERSHIPS:

- ✓ Life Member of “*Indian Society for Technical Education (ISTE)*” with **L.M. No. 122406** from 12.04.2018.
- ✓ Life Member of “Andhra Pradesh Society for Mathematical Sciences (APSMS)” with **L.M. No. 1148** from 12.11.2017.

Dr. BALAIAH MOTHUKURI
(14-09-2023)