


FACULTY PROFILE

Name of the Faculty:		Pavuluri Vijaya Saradhi		
Designation:		Professor		
Department:		Mathematics		
Date of Birth:		30-08-1971		
AICTE – ID:		1-428150642		
Education	<ul style="list-style-type: none"> • B. Sc (MSP) from Nagarjuna University/Andhra Loyola College (Autonomous) in 1991. • M. Sc in Mathematics from Annamalai University, Tamilnadu in 1993. • M. Phil in Mathematics from Sri Venkateswara University, Tirupati in 1996. • P. hd in Mathematics from Sri Venkateswara University, Tirupati in 2000. 			
Experience	Teaching: 29Years	Industry: NIL	Total: 29Years	
	Research: 20 Years	Others: NIL		
Research Specialization		Graph Theory		
Courses taught	<ol style="list-style-type: none"> 1.Linear Algebra &Ordinary Differential Equations 2. Numerical Methods &Advanced Calculus 3. Probability &Statistics 4.Complex Variables &Special Functions 5. Mathematical Foundations for Data Science 6. Operations Research 7. Discrete Mathematics 8. Algebra 9. Galois Theory 10. Real Analysis 11. Topology 12. Functional Analysis 13. Ordinary Differential Equations 14. Partial Differential Equations 15. Graph Theory 16. Near Rings 17. Operator Theory 18. Number Theory 19. Automata Theory and formal Languages 20. Complex Analysis 			

Research contributions

International/national peer reviewed journals

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	Irregular Graphs	Graph Theory Notes of Newyork	2001	XLI	33-36	-
2	Graph with a given Maximal domination Number	Bulletin of The Allahabad Mathematical Society	2008	23	169-175	-
3	Graph With a given graphical parameter	Advances in Mathematics: Scientific Journal	2020	9	10131-10135	SCOPUS
4	Graph with a given upper domination number	Advances in Mathematics: Scientific Journal	2020	9	10833-10838	SCOPUS
5	r-Regular Hypergraphs	Malaya Journal of Mathematik	2021	9	1167-1169	UGC
6	The Space of Minimal Prime D- Filters of Almost Distributive Lattices	Discussiones Mathematicae	2024		343-368	SCOPUS
7	An innovative idea for constructing a graph with a specified domination number and maximal domination number	Journal of Current Science and Humanities	2024	12	69-75	-
8	ω -Filters of Almost Distributive Lattices	Journal of Algebraic Systems	2025	13	37-52	Scopus
9	A Comprehensive Review on Graphs Characterized by Prescribed Domination Parameters	Proceedings of the International Online Conference on Advancing Innovations Through Mathematics (AITM-2025)	2025	-	64-72	ISBN: 978-93-344-0268-1

Books published

S. No.	Title of the book	Publisher	year
1			

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
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Details of Patents (Filed & Granted)

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

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

S.No.	Name of the event	Role	Dates
1	Workshop on “linear Regression Analysis”	Organizer	25-10-2019 to 26-10-2019.
2	A One week Online International Workshop on “Enhancing Computational Skills of Mathematics in Various Fields of Engineering (ECSMVFE - 23)”	CO-Convener	8-12-2023 to 23-12-2023
3	A One week Online International Workshop on “Mathematics : Bridging Ideas and Innovations(MBII-2024)”	CO-Convener	16-12-2024 to 21-12-2024
4	A One week Online International Workshop on “Mathematics: Bridging Ideas and Innovations (MBII-2025)”	CO-Convener	15-12-2025 to 20-12-2025

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

S.No.	Name of the event	Organized by	Dates
1.	Conference on Graph connections	Cochin University of Science & Technology	28-01-1998 to 31-01-1998
2.	National Seminar in Number Theory and its Applications	Sri Venkateswara University, Tirupati	22-03-2001 to 24-03-2001
3.	Refresher Course in Coding Theory, Cryptography and Discrete Mathematics	Punjab University, Chandigarh	2-12-2002 to 14-12-2002
4.	STTP on “Theory of Computer Science”	Bapatla Engineering College	22-11-2004 to 27-11-2004
5.	National SEMINAR ON Number “Graph Theory and Algorithms”	Kongu Engineering College, Erode	7-03-2007 to 9-03-2007
6.	Two day National seminar on “Recent Advances in Mathematics and Computer Science-Applications in Technology, Cryptography, Quality and Buisness(RAM-2014)”	V.R. Siddhartha College of Engineering College (Autonomous), vijayawada	25-04-2014 to 26-04-2014
7.	Workshop on Intellectual Property	Bapatla Engineering	31-08-2018 to

	and Innovation and Management	College, Bapatla	1-09-2018
8.	Three day FDP on “Machine learning Using Python”	Bapatla Engineering College, Bapatla	15-11-2018 to 17-11-2018
9.	Hands-on 2-Day Workshop on Statistical Data Analysis Using R	VIT-AP, Amaravathi	8-12-2018 to 9-12-2018
10.	One day FDP on Methodologies for Generating Revenue Through Research With Patents	Bapatla Engineering College, Bapatla	30-01-2019
11.	5 Days online International FDP on “Online Teaching Tools for Video Lecturing and digital e-Learning”	Sir CR Reddy College(Aided& Autonomous)	4-05-2020 to 8-05-2020
12.	One week National Online FDP on ICT Tools for Effective Teaching Learning	Swami Ramanand Teerth Marathwada University , Nanded	11-5-2020 to 16-5-2020
13.	One week National level FDP and Online Training on “SCILAB- An Open Source Substitute for MATLAB”	Jointly Organized by JNTUH College of Engineering, Sultanpur, Sangareddy and Spoken Tutorial project IIT Bombay	25-05-2020 to 30-05-2020
14.	One week Online FDP on “Taxonomy of Softwares Related to Mathematical Sciences”	Gokaraju Rangaraju Institute of Engineering and Technology(Autonomous), Hyderabad	9-06-2020 to 14-06-2020
15.	Five day National Webinar on “Simulink an overview”	Data Teach Labs	25-06-2020 to 30-06-2020
16.	Online Workshop on Universal Human Value on the theme “Inculcating Universal Values in Technical Education”	AICTE	10-08-2020 to 14-08-2020
17.	AICTE sponsored One week Online STTP on “Integral Transforms and Their Applications(ITTA-2020)”	Shri Vishnu Engineering College for women (autonomous), Bhimavaram	30-11-2020 to 5-12-2020
18.	Three day National level workshop on “Outcome based Education and Examination Reforms”	IQAC, Bapatla Engineering College, Bapatla	3-05-2022 to 5-05-2022
19.	International Conference on Advances & applications in Mathematical Sciences	Andhra Loyola College(Autonomous) Vijayawada	14-03-2023 to 16-03-2023

20.	UGC Sponsored Two day National conference on “Advances in Mathematical Sciences and its Applications” (NCAMSA-2023)	Acharya Nagarjuna University	17-03-2023 to 18-03-2023
21.	One Week International FDP on “Mathematics in Real, applied and Computational Domains”	Satyabhama Institute of Science and Technology, Chennai	3-07-2023 to 8-07-2023
22.	Five day Faculty Orientation program on “C Programming”	Bapatla Engineering College	24-07-2023 to 8-07-2023
23	International Conference on Emerging Trends In Mathematics and Scientific Computing (ICETMSC'24)	Vignan’s Foundation for Science, Technology and Research (deemed to be University), A.P	13-06-2024 to 15-06-2024
24	5 th Online/Offline International Conference on “Continuity, Consistency and Innovation in Applied Sciences and Humanities” (ICCIASH-2024)	St. Martin’s Engineering College, Secunderabad-500 100	19-06-2024 to 20-06-2024
25	One Week STTP on “LaTeX	CSSR&SRRM Degree &PG College, A), Kamalapuram, YSR, A.P., India.	02-12-2024 to 07-12-2024
26	A One Week International FDP on “Innovative Applications of Mathematics (IAM-2024)”	Bapatla Engineering College, Bapatla	18-11-2024 to 23-11-2024
27	One Week Online FDP on “R Programming	CSSR&SRRM Degree &PG College, A), Kamalapuram, YSR, A.P., India.	18-08-2025 to 23-08-2025
28	A 3-day International Online Conference on Advancing Innovations Through Mathematics (AITM–2025)	Bapatla Engineering College, Bapatla	08-09-2025 to 10-09-2025
29	A Five Day International Online FDP on “Innovative Applications of Mathematics in Real World Challenges”	New Prince Shri Bhavani College of Engg.&Technology, Affiliated to Anna University, Tambaram, Chennai, Tamilnadu	15-09-2025 to 19-09-2025
30	A One Week International FDP on “Innovative Applications of Mathematics (IAM-2025)”	Bapatla Engineering College, Bapatla	17-11-2025 to 22-11-2025

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1.	University Fellowship	Sri Venkateswara University	1994-95
2	Nation Builder Award 2023	Rotary India Literacy Mission	2023

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration

Consultancy contribution

S.No.	Year	Amount	Details
1			

Student Project/research guidance

S.No	Level	Total number	
1	UG	Completed:	Ongoing:
2	PG	Completed: 1	Ongoing:
3	PhD	Completed:	Ongoing:

Administrative experience

S.No.	Role	Duration (From – to)
1.	Examination Officer	2002-2014
2.	Chief superintendent for PG Exams	2011-2014
3.	II M.Sc Coordinator	2005-2015
4.	M1 Subject Coordinator	2014-2015
5.	¼ B.tech Coordinator	2010-15
6.	Incharge HOD	2015-17
7.	HOD	July 2017 to July 31, 2023
8.	MFDS Subject Coordinator	2021- 2024

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?hl=en&user=MHP9JPcAAAJ&view_op=list_works&sortBy=pubdate

SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57220024296
ORCID	https://orcid.org/0000-0001-8590-0101
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/324096 https://orcid.org/0000-0001-8590-0101

Any other relevant information

1. Life membership in **Andhra Pradesh & Telangana Society for Mathematical Sciences (APTSMS)**
(Membership Number: 979)

2. Life membership in **Engineering Mathematics Teachers Society, India (EMTSI)**

(Membership NO: LMA 088)

(Dr. P.Vijaya Saradhi)

(28-02-26)