

Name of Faculty	Dr.V.SREE RAMANI	
Designation	Assistant Professor	
Nature of Job/Appointment	Contract	
Date of Joining	22 - 12 - 2021	
E-mail	sreeramani_maths@cbit.ac.in	
Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mathematics)	Awarded
PG	M.Sc (Pure Mathematics)	First Class
UG	B.Sc	First Class
Work Experience		
Teaching	21 Years	
Research	5years	
Area of Specialization	Algebraic structures, Graph theory and Cryptography	
Professional Memberships	-	
Responsibilities held at Institution Level	-	
Responsibilities held at Department Level		
Research Guidance	-	

Awards Received	Awarded as Best teacher for 3 times in 2009,2012,2013					
Courses Handled at Under Graduate / Post Graduate Level.	UG Level: LINEAR ALGEBRA,DISCRETE MATHEMATICS,M-1.M- 2NUMERICAL ANALYSIS,CALCULUS-I,II,PROBABILITY AND STATISTICS,COMPLEX ANALYSIS,SMMA,MFCA,DM and MFDS THEORY AND LAB PG Level: FUNTIONAL ANALYSIS,LINEAR ALGEBRA,DISCRETE STRUCTURES.					
No. of Papers Published	National Journals –			International Journals – 11		
	National Conference – 02			International Conference –		
Projects Carried out	<div><ul style="list-style-type: none">● A one-year Minor project titled “Advanced Dual-Key Communication Framework with Dynamic Encryption Strategies” was sanctioned at CBIT in March 2024.as PI● A one-year major project titled “Exploring magnetocaloric effect, universal scaling and critical magnetic behavior of 4d doped MnSi” was sanctioned at CBIT in March 2025.as co PI</div>					
Patents 2	1	Dr.V.Sree Ramani and 9 others	“Fast statistical imaging reconstruction by algebraic reconstruction technique”	202241020086 Date:2\4\22	Recreating medical visuals	15\4
	2	Dr.V.Sree Ramani and 10 others	“Modelling of Website using Graph Theory”	202241045049 Date:6\8\22	Designing Website	12\8
	3	Dr.V.Sree Ramani	“Advanced Cryptographic Framework Utilizing Abstract Algebraic Techniques”	202441011944 8/3/2024	Network security	8\3

Technology Transfer	DEVELOPED A VIDEO COURSE ON CVSM http://bit.ly/cvsm_me					
Invited Speaker	Invited Speaker in a National level one week FDP Programme on the Topic Essential Mathematics For Machine Learning” and SVD conducted from 5 th to 9 th February 2024					
No. of Books/Chapter Published with details	An Infinite Research-published book titled "Statistics in Data Science" is now available, featuring ISBN 978-81-967685-7-7 (2023)					
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (Attended and/or Organized).	<ul style="list-style-type: none"> ● Attended 14th congress of APSMS at GITAM UNIVERSITY (vizag) from 09-sep-2005 to 11-sep-2005. ● Attended National Conference on Mathematics and its Applications to Engineering at Vasavi college of Engineering, Hyderabad from 10-mar-2008 to 11-mar-2008. ● Attended one day Faculty Development Programme at Vasavi college of Engineering, On 3rd august 2013. ● Attended 22nd congress of APSMS and presented a paper on “Decomposition of C-ALGEBRA” At Anurag Group of Institutions Hyderabad in sep 2013. ● Attended International Conference on Mathematics and its Applications at SV UNIVERSITY, TIRUPATI and Presented a paper on “B-ORTHOLATTICES” From 13-sep-2015 to 15-sep-2015. ● Attended 6 days faculty development Programme on “OUT COME BASED EDUCATION” JOINTLY CONDUCTED BY NIT Warangal and Vasavi college of Engineering held on august 12, 13, 15 and in October 15, 16, and 17 of 2017. ● Attended National Conference on “Applications to Engineering Mathematics” at CBIT, GANDIPET, HYD. ON 30 NOV 2018. ● Attended APSMS At Dr. B.R. Ambedkar university for 3 days and presented paper on S-algebra held on November 28-30, 2019 ● Participate 3 day online work shop on “symposium on engineering mathematics with MATLAB” organized by IUCEE FOUNDATION from 6th to 8th September 2021 ● Participated in the online Management Development Programme "MULTIVARIATE DATA ANALYSIS USING R" held during 25th - 30th October 2021. ● National level one day seminar on Research Methodologies in linear algebra for big data analysis on 11-03-22. ● One day FDP on Computational tools for Research in Mathematics on 19-2-2022 ● Two Day Faculty in-house training programme at CBIT from 23.04.2022 to 30.04.2022 ● One week MDP on Analytics-Data Driven Decision making organised by National institute of Micro, small and Median Enterprises at CBIT 13-3-2023 TO 17-3-2023 ● National Level One Week Faculty Development Programme on “Recent Trends in Data Science for Engineering” organized by Department of Information Technology, Chaitanya Bharathi Institute of Technology from 26th June 2023 to 30th June 2023. ● participated in a National Level One Week Faculty Development Programme (Hybrid) on “National Education Policy 2020 - Challenges in implementation in Higher Education” organized by Department of EEE, IT and Physics, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana in association with IEEE Education Society Student Branch Chapter CBIT and IEEE Young Professionals from 18th March 2024 to 23rd March 2024. ● Dr. V. Sree Ramani affiliated with Chaitanya Bharathi Institute of Technology (A) has presented a Poster titled “Cryptographic technique in Network Security based on Laplace transformation” in 6th Research Day 2024 held during 13-14 December 2024 ● Participated in One Week Virtual International Faculty Development Programme on ‘Fundamentals and Advances of Magnetic Materials (FAMM-2024)’ from May 20-24, 2024 organized by the Department of Physics, Chaitanya Bharathi Institute of Technology, Hyderabad, ● V. Sree Ramani, affiliated with Chaitanya Bharathi Institute of Technology (A) has presented a Poster titled “Cryptographic Technique in Network security Using Laplace Transforms” in 7th Research Day 2025 held during 12-13 December 2025 at Chaitanya Bharathi Institute of Technology, 					

	<ul style="list-style-type: none"> ● Participated in A Two Week International Short term Training Program on “AI-Driven Autonomous Systems: Applications and Innovations” held virtually during 27th Jan – 8th Feb, 2025 Department of IT, ● Acted as faculty coordinator department of mathematics, for participating in the seminar on “session on world intellectual property 2025” ● worked as a Faculty co-coordinator for the Guest Talk, Mathletes'25 in “Sudhee-2025” 04th – 05th March 2025 at Chaitanya Bharathi Institute of Technology (Autonomous), ● Participated in One Week Online International Faculty Development Program on Applied Deep Learning. Organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology
Details of Journal Publications/ Conferences (National and International)	
<p>International Journal from the year 2009</p> <p>1. The article titled “<u>Novel Encryption and Decryption Technique Using ATP & New Sequent Rules in Three Variables</u>” has been published in the “Tuijin Jishu/Journal of Propulsion Technology 45 (3), 2991-3000”, a Scopus indexed journal</p> <p>2. The article titled "Seasonal Trend Analysis of Major Air Pollutant (PM2.5 and PM10) Concentration in Visakhapatnam During 2020-2022: A Case Study" has been published in the "Indian Journal of Science and Technology," a Web of Science indexed journal with ISSN 0974-6846 (2024).</p> <p>3• Contributed to the International Journal for Multidisciplinary Research (IJFMR) with a paper on "Different Kinds of Fs-Set Function: Images and Inverse Images," appearing in volume 3, 2023.</p> <p>4• A Scopus and Web of Science indexed AIP Conference Proceeding has been released, focusing on "Edge Irregularity Strength of Trees Generated Caterpillars" in 2023.</p> <p>5• A Scopus indexed article has been published in the "Journal of Mathematical and Computational Science" on "The Concept of S-Algebra and its Properties," specifically in J. Math. Comput. Sci. 11 (2021), No. 5, 5993-6006.</p> <p>6• A paper titled "Decomposition of C-Algebra Through Partial Ordering" has been published in the "Bulletin of International Mathematical Virtual Institute," Volume 7 (2017), journal number 62498 (UGC approved journal).</p> <p>7• Contributed to the "International Journal of Open Problems in Computer Science and Mathematics" with a paper on "Decomposition of an Ortholattice," featured in volume 6, 2016, journal number 64146 (UGC approved journal).</p> <p>8• Published a paper in "South East Asian Bulletin of Mathematics" in 2009 on "Generalized Lattices," which is indexed under Web of Science.</p> <p>9. Published a paper in “Communications on Applied Nonlinear Analysis “ in 2025 on “a Fixed Points of Generalized - Geraghty Ciric -Rational Type” which is under scopus.</p>	

10. Published a paper in “International Journal for Multidisciplinary Research (IJFMR)” in 2025 on “Two Partial Orders and Ideals of S-Algebra and its Properties”

11. Published a paper in “Advances in Nonlinear Variational Inequalities” Comparing Machine Learning Algorithms for Predicting Cryptocurrency Prices: An Analytical Study” in 2025.

