

Name of Faculty	Dr. A. PADMA	
Designation	Assistant Professor	
Nature of Job/Appointment	Regular from 24/06/2019	
Date of Joining	22 - 08 - 2018	
E-mail	padma_maths@cbit.ac.in	

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy(Mathematics).	Awarded
M.Phil	Master of Philosophy(Mathematics)	Awarded
PG	M.Sc(Mathematics)	First

Work Experience

Teaching	23 Years
Research	04 years
Industry	--
Others	--

Area of Specialization Number Theory, Fixed Point Theory, Real Analysis

Professional Memberships ISTE M.No.LM 84879

Responsibilities held at Institution Level Associate Director - IQAC since 1st November 2022

Responsibilities held at Department Level 1. Mentor
2. Coordinator web and branding committee
3. Coordinator ISO

Research Guidance -

Awards Received

Courses Handled at Under Graduate / Post Graduate Level. M1, MII, M-III,Calculus, Differential Equation and Numerical Methods, Vector calculus and Differential Equations, Applied Mathematics, Probability and Queing Theory

No. of Papers Published National Journals – 00 International Journals – 24
National Conference – 00 International Conference – 26
Book chapters-02

Projects Carried out -

Patents - MOOCs Full Courses developed: 04

Technology Transfer 1. Introduction to Calculus , The University of SYDNEY
2. Matrix Algebra for Engineering, The Kong University of science and Technology



- 3. Calculus : Single Variable part-1 Functions by University of Pennsylvania
- 4. Introduction of Ordinary Differential Equations by KAIST
- 5. Transform calculus and its applications in differential equations from NPTEL

Invited Speaker

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No. of Books/Chapter Published with details

- 1. One week FDP on "Quality Education through OBE" organized by CBIT, Gandipet, Hyd. in association with IEEE education society student chapter CBIT during 22nd – 27th January 2024.
- 2. Participated in One Week National Level Online Faculty Development Program on Recent Advances in Data Science, Data Analytics and Cyber Security from 1-5 March 2023. organized by the department of CSE at Shri Vishnu Engineering College for Women (A), Bhimavaram.
- 3. Faculty Development Program on Blockchain Technology and Applications conducted by Dept. of Information Technology, Anurag University during 2nd- 6th January 2023
- 4. Two Week International FDP on "Research Perspectives in Mathematics and its Applications" organized by the Department of Mathematics, Sathyabama Institute of Science and Technology, Chennai, from July 4 to July 16, 2022.
- 5. One Day National Seminar On "Applications of Number Theory and Cryptography" Organized by the Department of Mathematics, CBIT on 8th July, 2020.
- 6. Two Day Online FDP on Engineering" organized by Department of "Applications of Mathematics in Mathematics & Humanities, Mahatma Gandhi Institute of Technology (MGIT), Hyderabad during 3rd and 4th July 2020.
- 7. Participated one week refresher course on Bharateeya Chaitanya organized by Geervana Bharati of Chaitanya Samskruthi from 29/06/2020 to 05/07/2020 .
- 8. Faculty development program on "ADVANCED MATERIALS AND ADDITIVE MANUFACTURING" organised by the Department of Mechanical Engineering, Nalla Malla Reddy Engineering College, Hyderabad from 12-16 June 2020.
- 9. One week STTP on SCILAB organized by Electronics & Telecommunication dept. of Amritvahini polytechnic, Sangamner in Association with spoken tutorial IIT Bombay from 12th to 16th June 2020
- 10. One week FDP on 'e-Learning: Managing online classes & creating content' organized by IQAC Cell, Anuradha Engineering College, 8th to 12th June 2020
- 11. Four day FDP on TECHNOLOGY TOWARDS COMMAN MAN by Sri ManakulaVinayagar Engineering College, Puducherry from 10th to 13th June 2020.
- 12. Three day Online STTP/ FDP entitled 'Writing High -Impact Research paper, Effectively & Efficiently' Organized by G.H.Raisini institute of Business Management , Jalgaon from 4th to 6th June 2020
- 13. workshop on "PATTENT SEARCHING, DRAFTING AND FILLIMG" from 29-05-2020 to 02-06-2020, IEE Computer Society & Computer Society of India.
- 14. One week FDP on MATHEMATICAL AND STATISTICAL MODELLING organized by Godavari Institute of Engineering and technology from 26th - 30th May 2020.
- 15. One Week Online FDP on 'Resent Trends & Innovation In Digital Forensic' organized by dept. of Computer Engineering, AISSMS, Pune in association with ACM student chapter and IEEE pune section from 25th to 30th May 2020
- 16. One week FDP on 'Outcome based education: A step towards excellent' from 11th to 15th May 2020. Organized by Government college of engineering, Karad.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (Attended and/or Organized).

17. One-week FDP on 'Innovation, Entrepreneurship and its relevance in industry 4.0 practices in the post covid-19 situation' organized by Terna Engineering college, Navi Mumbai, dept. of Mech. Engineering from 25th to 29th May 2020
18. One-week FDP on 'Outcome based Education and NBA Accreditation Process-UG' organized by CBIT during 28-05-2020 to 01-06-2020
19. Meity, Govt. of India, Sponsored one week Faculty Development programme (FDP) ON 'Data Science' organized by the E&ICT Academy, NIT Warangal at CBIT, Hyderabad from 5th to 10th August, 2019.
20. National level one-day Workshop on 'Applications of Mathematics in Space Sciences' organized by Dept. of Mathematics, CBIT on 30th November 2018.

**Details of Journal Publications/
Conferences (National and
International)**

1. Veera Reddy. Karnati, Akkenapalli Padma, Vijaya Kumar. D, B. Lavanya, S. Gouthamsri, Pathuri Bindu, G. Venkata Ramana Reddy, "Magnetohydrodynamic Heat and Mass Transfer in Cu-H₂O and Al₂O₃-H₂O Nanofluids over a Permeable Extended Surface with Chemical Reactions and Thermal Radiation", 02-11-2025, Volume 49 Issue 4(November 2025). <https://powertechjournal.com>.
2. Padma A, Seethamahalakshmi V, Venkata Kalyani U, Nagalakshmi P.S.S, Ramana Reddy G.V "Effects of mass thermophoresis at stagnation point". *Case Studies in Thermal Engineering*, May 2025, ISSN 22 14157X, vol:69, No.105775.
4. Padma A.M. Ganeshwara Rao, Shimelis, Biniyam;" Generalized extended Mittag-Leffler function and its properties pertaining to integral transforms and fractional calculus". *RESEARCH IN MATHEMATICS*2023, VOL. 10, NO. 01, 1-12
5. M.Varalakshmi,Rajyalakshmi,Padma, Akkenapalli;" Performance analysis of heat pipe using central composite designs". *RESEARCH ARTICLE* MAY 09 2023, AIP Conf. Proc. 2707, 020017 (2023)
6. Padma A, Seth, Bhaskar, Ramachandran G;" Analysis of Current Smart Wearable Trends using Internet of Medical Things". 3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023Coimbatore2 February 2023through 4 February 2023Code 187553
7. Padma A.; Gaddam Venkat Reddy, " Artificial Intelligence Techniques for the wireless Wearable Smart Healthcare Prediction System Applications" to **IEEE Xplore**: 05 April 2023
8. A. Padma, 'Performance Analysis Of Heat Pipe Using Central Composite Designs', AIP international Conference proceedings (ICEMEA-2021).
9. A. Padma, 'The Marichev-Saigo- Maeda Fractional Calculus Operator Pertaining to the V-Function' Hindawi, Abstract and Applied Analysis in the year 2021.
10. A. Padma, 'Effective Cleaning System management using JSP and Servlet Technology' Proceedings of the 6th International conference on Communication and Electronics Systems (ICCES) IEEE Xplore.2021
11. A. Padma, 'Product of M-series and Srivastava's polynomials with generalized fractional integral operators', Materials Today: Proceedings, 2021.
12. A. padma, 'Fixed – Point Theorems in Intuitionistic Fuzzy Metric Space', J.Math Comput. Sci., 2021
13. A. Padma, 'Image formula for saigo fractional derivative operator connected with v-function' Sambodhi, **(UGC Care Journal)**, 2020
14. A. Padma, Generalized Fixed Point Theorem with C*-Algebra Valued Metric Space, IOSR Journal of Mathematics (IOSR-JM) e-ISSN: 2278-5728, p-ISSN: 2319-765X. Volume 15, Issue 5 Ser. II (sep – Oct 2019), PP 13-16 www.iosrjournals.org
15. A. Padma, RELATION-THEORETIC ψ -CONTRACTIVE MAPPINGS IN CONE PENTAGONAL METRIC SPACES, J. Math. Comput. Sci. 10 (2020), No. 5, 1620-1632 ISSN: 1927-5307
16. A. Padma, MengeshAyene, Generalized Fractional Integral Operators Pertaining to Galue Type Struve Function, International Journal of Mathematics and its Applications, 7(4)2019, 15-22, ISSN: 2347-1557.
17. A. Padma, G. Venkat reddy, "Common Random Fixed Point Theorems in Probabilistic Metric spaces" in an International Journal of Engineering Science and Computing, (IJESC) Vol. 6, Issue No 7, Jul 2016, 8604 – 8614. ISSN 2321-3361.
18. A. Padma, G. Venkat Reddy, M. Rangamma, Fixed Point Theorems in Fuzzy metric spaces with Integral type inequality. *International Journal of Mathematical Archive* VOLUME-5(1), March 2014, p 170-180, ISSN 2229-5046

19. A.Padma, M.Rangamma, title “Common Fixed Point Theorem for Compatible Maps using Implicit Relations in Fuzzy Metric Spaces”. *International Journal of Mathematical and Computer Applications Research, (IJMCAR) ISSN 2249-6955, 3(2), 2013*, 133-146.
20. A.Padma, M.Rangamma “ Implicit Relations and Altering Distance Function in Fuzzy metric spaces”. *International journal of Mathematical and Computer Applications Research (IJMCAR)*, ISSN 2249-6955, 3(2), 2013, 33-44.
21. A.Padma, M.Rangamma “ On Fixed Point theorems in Fuzzy metric spaces” *International J. of Math.Sci. &Engg. Appl. IJMSEA*, ISSN 0973-9424. Vol.6 No.IV(July, 2012), 449-459.
22. A.Padma, M.Rangamma, “ Compatible Mappings of Type(P) in Fuzzy metric spaces for common fixed point theorems”. *Research Journal of Pure Algebra 2(9), 2012*, 286-290, ISSN 2248-9037.
23. A.Padma, M.Rangamma, “ Compatible Mappings on Fixed Point theorem in Menger Spaces”. *South Asian Journal of Mathematics 2(5), 2012*, 492-496, ISSN 2251-1512.
24. A.Padma, M.Rangamma, “ Fixed Point Theorems in Fuzzy metric spaces with Integral type inequality”. *International Journal of Mathematical Archive 3(10), 2012*, 3751-3756, ISSN 2229-5046.

International /National Conferences

25. Paper entitled “Artificial Intelligence-Powered Internet of Things for Farming and Plant Research” 3rd International Conference on Electronics and Renewable Systems, ICEARS 2025 - Proceedings Conference Paper2025. ISBN 979-833150967-5
26. Paper entitled “Analysis of Robotic Health Care Assisted Surgical Device Doctors, Hospitals and Engineers” 4th International Conference on Sentiment Analysis and Deep Learning, ICSADL 2025 – Proceedings. 539 – 543. ISBN 979-833152392-3
27. **Paper entitled “An Analysis of Artificial Intelligence and Bigdata Cyber Security its Applications”**. 2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science, AMATHE 2024. ISBN 979-835037156-7
28. Paper entitled “Analysis of Internet of Things Build Autonomous Crops the Sustainability Precision Agriculture”. 4th International Conference on Sustainable Expert Systems, ICSES 2024 – Proceedings. 256 – 259. ISBN 979-833154036-4.
29. Paper entitled “Analysis of Blockchain QR Code Encryption to Enhance Bank Data Security and Privacy and its Applications”. Proceedings 3rd International Conference on Advances in Computing Communication and Applied Informatics Accai 2024 Open source preview, 2024. ISBN 979-835038943-2
30. Book Chapter , Entitled” Sustainability and Technological Innovation in Organizations: The Mediating Role of Green Practices”. Metaheuristics for Machine Learning Algorithms and ApplicationsOpen source preview, 2024, pp. 267-283. ISBN 978-139423395-3, 978-139423392-2
31. Book Chapter entitled “Big Data Analytics for a Sustainable Competitive Edge: An Impact Assessment”. Metaheuristics for Machine Learning Algorithms and ApplicationsOpen source preview, 2024, pp. 253–266, ISBN 978-139423395-3, 978-139423392-2
32. Paper entitled “Performance analysis of heat pipe using central composite designs”. AIP Conference Proceedings Conference Paper2023 DOI: 10.1063/5.0143088. ISSN 0094243X.
33. **Paper entitled “Analysis of Current Smart Wearable Trends using Internet of Medical Things”**. Proceedings of the 3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023Conference Paper2023. DOI: 10.1109/ICAIS56108.2023.10073832. ISBN 978-166546216-7
34. Paper entitled “Artificial Intelligence Techiques for the wireless wearable smart healthcare Prediction System Applications”(ICEARS) 2023 IEEE XPLOR held at St. Mother Theresa Engineering college,Tamil Nadu on 2nd March 2023.
35. Paper entitled “Analysis on Current Smart Wearable Trends Internet of Medical Things” at 3rd international conference on Artificial Intelligence and smart energy (ICAIS 2023) organized by JCT College of Engineering, Coimbatore on 3rd 2023.
36. Paper entitled **“Application of Health care system for cancer patients” in an International Conference on Material Science and Manufacturing Engineering (ICMSME-2021) held at Sri Shakhi Institute of Engineering and Technology, India on 10th-11th ,December 2021.**
37. Paper entitled “Effective Cleaning System management using JSP and Servlet Technology” At 6th International Conference on Communication and Electronics Systems (ICCES 2021) organized by PPG Institute of Technology, Coimbatore 8-10, July 2021, IEEE Xplore
38. Paper entitled **“Image formula for Saigo fractional derivative operator connected with V-function”**In international Conference on ICCIASH-2020, Organized by St.Martin’s Engineering college, sec-T.S on 13th and 14thAgust 2020.

39. paper entitled "ABSORBING MAPPINGS IN FUZZY METRIC SPACE UNDER FIXED POINT THEOREMS" in an International Conference conducted by Department of Mathematics, Technocrats Institute of Technology, Bhopal (M.P.) INDIA at Bhopal from 5th to 7th May, 2017
40. paper entitled "Common Fixed Point Theorem of Compatible Mappings of Type (K) in Fuzzy Metric spaces" in an International Conference on Mathematical Sciences & Engineering applications ICMSEA at Baba Institute of Technology & Sciences, VIZAG on 23rd, 24th and 25th December, 2016

