

Name of Faculty M AMARNATH

Designation Assistant Professor

Nature of Job/Appointment Regular

Date of Joining 24-06-2019(Regular)
03-10-2013(Contract)



E-mail amaranth_maths@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Pursuing	
PG	M.sc(Mathematics)	First Class
UG	B.Sc(M.P.C)	First Class

Work Experience

Teaching	13 years
Research	
Industry	--
Others	--
Area of Specialization	Mathematics
Professional Memberships	Member in IMS
Responsibilities held at Institution Level	Member in College Annual Day Function. Member in Hospitality committee orientation day
Responsibilities held at Department Level	1. Member in course Expert group. 2. Member in Department audit committee.
Research Guidance	-
Awards Received	-
Courses Handled at Under Graduate / Post Graduate Level.	Differential equations and Numerical Methods, Transform theory and complex Analysis, Calculus Differential equations and Transform theory, Vector Calculus and Differential equations, Applied Mathematics. Mathematics-1, Mathematics-2, Engineering Mathematics-1. Engineering Mathematics-2. Engineering Mathematics-3. Linear algebra & calculus.

No. of Papers Published

National Journals – International Journals – 7

National Conference – International Conference –

WS/ Seminars/ Conferences/ STTPS/ FDPs Attended

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

1. Participated in the AICTE Recognized Faculty Development Programme on Managerial Skills Conducted by Education and Educational Management Department from 23/09/2024 to 27/09/2024 (One Week) at NITTTR, Chandigarh.

2. Participated in Two Week Winter School on Computer Vision and Speech Processing. Organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad – 500075, Telangana, India, in Technical Association with ACM Hyderabad Deccan Chapter during 9th to 21st December 2024.
3. participated in One-Week Online Short-Term Training Program (STTP) on IoT, Cyber Security and Blockchain Technology, organized by the Department of Computer Engineering & Technology, Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad - 500075, Telangana, India, from 6th January, 2025 to 10th January, 2025.
4. Participated in the AICTE Recognized Faculty Development Programme on Engineering Optimization with MATLAB Conducted by Applied Science Department from 21/10/2024 to 25/10/2024 (One Week) at NITTTR, Chandigarh.
5. Participated in Faculty Development Program on Awarded To Gen AI & Chat GPT Application in the Industry Organized by the Department of MBA & Research Centre, SJC Institute of Technology, Chikkaballapur. Chaitanya Bharathi Institute of Technology Autonomous, Hyderabad – Telangana. Bharti Vidyapeeth (Deemed to be University) College of Engineering, Pune in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 27th Jan to 31st Jan 2025.
6. Participated in Faculty Development Program on Awarded To AI Applications in Banking and Healthcare Industry organized by K.J. Somaiya Institute of Technology Sion, Mumbai - Maharashtra KLE Technological University, Dr. M S Sheshgiri Campus, Belagavi - Karnataka Chaitanya Bharathi Institute of Technology Autonomous, Hyderabad - Telangana Adhiyamaan College of Engineering, Hosur - Tamil Nadu in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Dec to 18th Dec 2024.
7. participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Strategic Leadership in Manufacturing & Industry 4.0: Driving Innovation for Future at Chaitanya Bharathi Institute of Technology from 10/02/2025 to 15/02/2025.
8. participated in One week online FDP on “Quality Education through OBE” organized by Chaitanya Bharathi Institute of Technology(Autonomous), Gandipet, Hyderabad- 500 075, Telangana, India., in

association with IEEE Education Society Student Branch Chapter CBIT during 22nd - 27th January 2024.

9. participated in One Week National Level Faculty Development Programme on “Essential Mathematics for Data Science and Machine Learning”. Organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad – 500 075, Telangana, India, from 5th to 9th February 2024.
10. participated in One week online FDP on “Quality Education through OBE” organized by Chaitanya Bharathi Institute of Technology(Autonomous), Gandipet, Hyderabad-500 075, Telangana, India., in association with IEEE Education Society Student Branch Chapter CBIT during 22nd - 27th January 2024
11. attended a one week Faculty Development Programme on National level FDP on “Recent Trends in Mathematics” organized by Department of Mathematics and Statistics under DBT-Star college scheme from 14-02-2022 to 18-02-2022.
12. participated in One week online FDP on “Quality Education through OBE” organized by Chaitanya Bharathi Institute of Technology(Autonomous), Gandipet, Hyderabad-500 075, Telangana, India., in association with IEEE Education Society Student Branch Chapter CBIT during 22nd - 27th January 2024.
13. Attended a one week Faculty Development Programme on National level FDP on “Recent Trends in Mathematics” organized by Department of Mathematics and Statistics under DBT-Star college scheme from 14-02-2022 to 18-02-2022.
14. participated in One Week Faculty Development Programme on “Recent Trends in Applications of Mathematics (RTAM)” organised by Department of Freshman Engineering, Chadalawada Ramanamma Engineering College (Autonomous), Tirupati from 12th - 17th July 2021.
15. Participation in one week online Faculty Development Programme on “MATHEMATICS FOR A BETTER WORLD” held during 21st-26th March, 2022.
16. Participated 40-Hour Online FDP on “Mathematical Relevance to Artificial Intelligence and Machine Learning” organized by E&ICT Academy,NIT Warangal and CMR Engineering college(A) Hyderabad from 7th-17th February,2022
17. Participated One Week Online International Faculty Development Programme on “THE ROLE OF LINEAR ALGEBRA IN MACHINE LEARNING, ARTIFICIAL INTELLIGENCE & DATA SCIENCE”, organized by Departments of Mathematics and Humanities, Computer Science Engineering and Information Technology, Mahatma Gandhi Institute of Technology, Hyderabad from 29-11-21 to 03-12-21.

18. attended a Short term training programme on "MATLAB based Teaching-Learning in Mathematics, Science & Engineering". organized by the Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with DesignTech Systems Pvt. Ltd. Mumbai during 18th to 22nd May 2020.
19. attended a one week Faculty Development Programme on "Data Science" E & ICT Academy, NIT, Warangal at CBIT(A), HYD, from 5th-10th August, 2019.

Details of Journal Publications/
Conferences (National and
International)

1. Nagaraju Vellanki¹, M. Amarnath², P. Sarada Devi^{3*}, C. Vijender⁴, S. M. Bhati⁵, S. J. Kokate⁵, G. Murali³ and B. Nagaraju, Modeling and Analysis of Magnetic Field Effects on Magnetohydrodynamic Two-dimensional Steady Carreau-nanofluid Flow with Suction or Injection, Journal of Mines, Metals and Fuels, 73(6): 1719-1727; 2025.
DOI: 10.18311/jmmf/2025/48701 Print ISSN : 0022-2755.
2. G. Murali,* P. Lakshmi,† M. Amarnath,‡ J. Venkata Madhu,§ and A.P. Lingaswamy
THREE-DIMENSIONAL MHD FLOW OF A RADIATIVE EYRING-POWELL NANOFLUID:
EXPLORING HALL EFFECTS AND HEAT TRANSFER, Theoretical and Mathematical Physics,
223(3): 1070–1086 (2025)
3. P. Ramulu, C. Gangadhar, M. Amarnath and G. L. Reddy (2021) "On The Location of Zeros of Polynomials with Different Complex Coefficients", Advances in Dynamical Systems and Applications (ADSA), volume 16, number 2, 2021. ISSN 0973-5321.
4. B R Sreedhar, K. Muthyalappa, M. Amarnath (2020) "A Stochastic Study on Different Oil Seeds Using DEA Approach", International Journal of Scientific Research in Mathematical and Statistical Sciences, Volume -7, Issue- I pp. 086-091, February (2020).
5. P. Muralikrishna, B. Satyanarayana, K. Rajagopal, M. Amarnath (2019) "Thermodynamic And Transport Properties of Binary Liquid Mixtures of Sulfolane With Some organic solvents at 308.15K", International Journal Recent Scientific Research, Vol. 10 Issue 05(B) pp. 32254-32257, May (2019).
6. P. Suresh, Hari Krishna, B. Mahaboob, M. Amarnath, P. V. Janardhar Reddy (2019) "Heat transfer and stagnation point flow of non-newtonian casson fluid over stretching surface", International Journal of Modern Engineering and Research Technology, Volume 6, Issue 2 pp. 033-039.
7. K. Muthyalappa, B R Sreedhar, M. Amarnath (2023) Forecast Analysis of Yearly Groundnut Productivity in India Using Auto Regression Integrated Moving Averages Model. NOVYI MIR Research Journal ISSN NO: 0130-7673

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