Name of Faculty	Dr. M. Santoshi Kumari	
Designation	Assistant Professor	
Nature of Job/Appointment	Contract	
Date of Joining	17 - 04– 2023	
E-mail	santoshikumari_maths@cbit.ac.in	
Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy	Awarded
PG	M.Sc. (Mathematics)	First Class with Distinction
UG	B.Sc (MPCs)	First Class
SET	TS-SET, KSET	

Work Experience

Teaching	9Years
Research	6Years
Industry	--
Others	--
Area of Specialization	Numerical Methods
Professional Memberships	-
Responsibilities held at Institution Level	-
Responsibilities held at Department Level	-
Research Guidance Awards Received	-
Courses Handled at Under Graduate / Post Graduate Level.	M-I, M-II, M-III, M-1V, RealAnalysis,LinearAlgebra,CalculusofVariation, Topology, Probability & Statistics, Operational Research.

No. of Papers Published	National Journals – 00	International Journals – 02
	National Conference –01	International Conference – 3

Projects Carried out	-	
Patents	-	4
Technology Transfer	-	
Invited Speaker	-	
No. of Books / Chapter Published with details	-Ordinary Differential Equations and Vector Calculus, M/s Sun Techno Publications, 978-81-945268-9-6, February, 2023.	
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (Attended and/or Organized).	WS/ Seminars/ Conferences/ FDPs Attended	

1. Attended 5-Day Workshop on " Statistical Analysis using Python" held at VNRVJIET, Hyderabad, Telangana, India during 6-11th March 2023, Organized by the Dept. of H &S, CSE.
2. Organized Online Workshop on " Writing a Research Proposal" during 3rd March 2023,at St.Martin'sEngineeringCollege, Hyderabad.
3. Co-ordinated in conductingInternational Conference on Recent trends in Science and Engineering during 24th- 25thFeb, 2023 at St.Martin'sEngineeringCollege, Hyderabad.
4. Co-ordinated for two-days International conference on ICCIASH during 16-17thSeptember,2022atSt.Martin'sEngineeringCollege,Hyderabad.
5. Co-ordinated in conductingIPR awareness programunder NIPAMduring July

1st2022atSt.Martin'sEngineering College,Hyderabad.

6. Faculty Development program on Research Pedagogy and Contemporary research duringJune 23rd-25th,2022at St.Martin'sEngineeringCollege, Hyderabad.

7. Attended 5-Day Workshop on " Statistical Analysis using Python" held at VNRVJIET, Hyderabad, Telangana, India during 6-11th March 2023, Organized by the Dept. ofH &S, CSE.

8. Coordinated for one week student Induction Program in DBIT, Bangalore during May,2022

9. CoordinatedforonedaywebinaronCOVIDDo'sandDon'tsinDonBoscoInstituteofTechnology,Bangaloreduring June2022.

10. AttentedoneweekAICTE-VTUJointTeachersTrainingProgrammeon"Anoverview of Teaching Techniques in Data Science and Analytics"between 25th and29thApril2022 OrganizedbyVTU HRDC,Chikkaballapur,Karnataka.

11. OnlineShorttermTrainingProgrammeon"RoleofStatisticsinMachineLearningandDataScience"Organised edBYUGC-HRDC,JNTUH,Hyderabadduring29November 2021-4th December2021.

12. Attended two weeks International FDP on "The Art of doing Research" organized byJyothiEngineeringCollege, Trissur,Indiaduring12-22July,2021.

13. Attended One week National level FDP on "Number Theory and its Applications"Organized by department of H&S, Gates Institute of Technology, Gooty, Anantapur,AP, Indiafrom14th to19thJune,2021.

14. Attended " Two Day Online Workshop on LaTeX" Organised by School of AdvancedSciences, VelloreInstituteofTechnologyfrom27-28ThMay2021.

15. AttendedtheInternationalConferenceondifferentialequationsandNumericalAnalysis, Organized by department of Mathematics, Indian Institute of TechnologyGuwahati,India from 2-15thOctober2020.

16. AttendedOneweekshorttermcourseon"DifferentialEquations:solutionTechniquesandApplications" atIITGuwahatiduringSeptember 7-12,2020.

17. National level Online FDP on "New Perspectives in Mathematics in their relevancetoScience&Technology"DepartmentofMathematics,JNTUACollegeofEngineering, Anantapuramfrom2/9/2020to4/9/2020.

18. Five day International FDP on Recent trends in Applied Mathematics, during July2020OrganizedbySNSCollegeof Technology, Coimbatore.

19. Twodayworkshopon"RoleofStatisticsinScientificResearch"OrganizedbyKarnataka Science and Technology Academy, DST, GOK, Bangalore held during 04-05thJanuary2018.

20. Fivedayworkshopon"AdvancedNumericalTechniquesforEngineersandResearchers" held during 23rd to 28th January 2017 at B.M.S. College of Engineering ,Bangalore.

Details of Journal Publications/ Conferences (National and International)

1. B.Mallikarjuna,M.SantoshiKumari,ShrivalliH.Y.,NaturalCubicSplineforSingularboundary value problems, Journal of Xidian University, ISSN: 1001-2400, 16 (2022) 562-575.https://doi.org/10.37896/jxu16.5/059.

2. B.Mallikarjuna,M.SantoshiKumari,ShrivalliH.Y.,NaturalCubicSplineforNonlinear Singularboundary value problems, Journal of Xidian University, ISSN: 1001-2400,16(2022)612-623.https://doi.org/10.37896/jxu16.5/064.

3. M. Santoshi Kumari, Dr. Shrivalli H.Y., Dr. B. Mallikarjuna"Natural Cubic Splines forSingularBoundaryValueProblems"InternationalConferenceondifferentialequations and Numerical Analysis, Indian Institute of Technology Guwahati, October2020.

4. M. Santoshi Kumari, Dr. Shrivalli H.Y., Dr. B. Mallikarjuna"Natural Cubic Splines forNonlinear Boundary Value Problems" International Conference on Mathematical,Physical and Computational sciences,Aurora's Degree and PG College, Hyderabad,August2021.

5. M. Santoshi Kumari, Dr. Shrivalli H.Y., Dr. B. Mallikarjuna"Natural Cubic Splines forParabolic Equations with Constant and Variable Coefficients"InternationalConference onApplied Mathematical and Computational Sciences,DIT University,Dehradun,October2022.

6. M. Santoshi Kumari, "Natural Cubic Splines forHyperbolic Equations with Constant Coefficients" National Conference on Recent Trends in Mathematical Sciences,St. Pious X Degree and PG College For women,Hyderabad,April 2023.