Name of Faculty	Dr K Sharada	
Designation	Assistant Professor	
Nature of Job/Appointment	Regular	
Date of Joining	09-08-2018	
E-mail	Ksarada_maths@cbit.ac.in	
Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy (Applied Mathematics) O.U	Awarded 25-04-2018
PG	M.Sc. (Pure Mathematics)	First
UG	B.Sc. (computer science)	First with Distinction
Work Experience		
Teaching	13 Years	
Research	05 years	
Industry	--	
Others	--	
Area of Specialization	Fluid Mechanics [Ph.D]	
Professional Memberships	1.Life membership APTSMS[L1401] 2. Annual Membership RMS [5885] 3.IAENG Life membership [504693]	
Responsibilities held at Institution Level	Green Audit committee member from 15-07-2022 to till date	
Responsibilities held at Department Level	R&D coordinator from 2019 to 2025	
Research Guidance	no	
Awards Received	RFSMS Fellowship Sponsored BY MHRD-UGC[during PH.D]	
Courses Handled at Under Graduate / Post Graduate Level.	Linear Algebra &calculus, Differential equations, Numerical Methods, Complex Analysis, Probability& Statistics, Vector calculus, Transform theory. Operations Research, Integral equations, Real Analysis, Discrete Mathematics.	
No. of Papers Published	National Journals – 3	International Journals – 12
Invited Speaker	--	
No. of Books/Chapter Published with details		
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (**Attended and/or Organized**).	1. Faculty Awareness Program on "NAAC Awareness Programme for faculty" from 8th may-14th may 2020, organized by Marathwada mitramandals's Institute of Technology, PUNE. 2. STTP on "Matlab based Teaching-Learning in Mathematics, Science & Engineering" from 18th may-22nd may 2020,	

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organized by Ramrao Adik Institute of Technology, Nerul, Navi Mumbai.

3. Faculty Awareness Program on "Research Methodology" from 20th may- 25th may 2020, organized by Shri Chhatrapati Shivajiraje College of Engineering.

4. FDP on "Artificial Intelligence" from 2nd may- 2 6th may 2020, organized by Chaitanya Bharathi Institute of Technology, Gandipet.

5. FDP on "Recent Trends & Innovations in Digital Forensic" from 25th may- 30th may 2020, organized by AISSMS Institute of Information Technology, PUNE.

6. FDP on "Latex & Technical Report Writing" from 25th may- 30th may 2020, organized by Kakatiya University, Warangal.

7. FDP on "Mathematical and statistical modeling" from 26th may- 30th may 2020, organized by Godavari Institute of Engineering and Technology, Kurnool.

8. FDP on "Outcome based Education and NBA Accreditation Process-[UG]" from 28th may- 01st June 2020, organized by Chaitanya Bharathi Institute of Technology, Gandipet.

9. STTP on "MATLAB For ALL" from 04th June- 08th June 2020, organized by SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY.

10. FDP on "Data science in R Programming" from 12-06-2020 to 17-06-2020, organized by "Mahaveer Institute of Science & technology, Hyderabad.

11. Completed FDP [online] on "Mathematical methods and its applications" of 12 weeks on April 2020.

12. Completed FDP [online] on "Transform calculus and its applications in differential equations" of 12 weeks on April 2020.

13. Completed FDP [online] on "NBA Accreditation and Teaching-Learning in Engineering" of 12 weeks on April 2020.

14. Completed **NITTT MODULES** of Phase I (8 modules) of 12 weeks each from Sep 2021 to Feb 2022.

15. Refresher Course on "Bharateeya chaitanyam [**Refresher course**]" from 29 june -05 july 2020 & **1 Week**, organized by Geervana Bharathi, CBIT, Gandipet.

16. FDP on "Applications of Mathematics in Engineering" from 03-04 july 2020, organized by MGIT, Gandipet.

17. FDP on "International online **FDP** on mathematical sciences" from 18 july -24 july 2020, organized by Department of science and humanities, VFSTR, Vadlamudi, Guntur.

18. FDP on "Mathematical Modeling and Numerical Techniques" from 27 july-31 july 2020, organized by Kakatiya Institute of Technology and Science, Warangal.

19. FDP on "Research methodology in Humanities and Social sciences" from 29 MAY -03 june 2021, organized by Lord's Institute of Engineering and Technology, Hyderabad.

20. FDP on "Role of Mathematics in latest Engineering trends" from 04 june -10 june 2021, organized by Lord's Institute of Engineering and Technology, Hyderabad.

21. FDP on "E-contents and ICT Tools for innovative teaching & learning" from 01 may – 07 may 2021, organized by RCP, Roorkee

22. FDP on "Recent research Developments in mathematics, statistics and their applications" from 20 may – 26 may 2021, organized by GMR Institute of Technology, Rajam, AP.

23. FDP on "Innovative Research Techniques" from 26th to 30th August 2021, organized by Research Committee and IQAC, Loyola Academy, Hyderabad.

24. FDP on "The Role of Linear Algebra in Machine Learning, Artificial Intelligence & Data Science" from 29th NOV to 3rd DEC 2021, organized by Departments of Mathematics and Humanities, Computer Science Engineering and Information

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	Technology, Mahatma Gandhi Institute of Technology, Hyderabad.
	25. FDP [one day] on "Computational tools for research in Mathematics" on 19th Feb 2022, organized by Department of Applied science, Sagar Institute of Research and Technology.
	26. FDP on "Recent Trends in Mathematics" from 14th-18th feb 2022, organized by Department of Mathematics and statistics under DBT-star college scheme.
	27. FDP on "Role of Basic Sciences in Emerging Technologies (RBSET-2022" from 09th-14th march 2022, organized by jointly by National Institute of Technology Mizoram & GMR Institute of Technology, Rajam, Andhra Pradesh.
	28. FDP on "outcome based education and accredation process", by **NITTTR**, Chandigarh, from 25/11/2024 to 29/11/2024
	29. FDP on "Developing Healthy work culture at work place", by **NITTTR**, Chandigarh, 02/12/2024 to 06/12/2024
	30. STTP on "LATEX" by CSSR&SRRM Degree&PG College, 02/12/2024 to 07/12/2024
	31. FDP on "Effective curriculum Implementation using Foss"by NITTTR, Chandigarh, 20/01/2025 to 24/01/2025.
	32. FDP on "Outcome based Curriculum Design by **NITTTR,** chandigarh, 10/02/2025 to 14/02/2025
Details of Journal Publications/ Conferences **(National and International)**	

1. Published a paper entitled "Nonlinear Radiative Heat Flux and Viscous Dissipation Passing Through a Rotating Disk" in "*Heat Transfer*" 01 October 2025 https://doi.org/10.1002/htj.70065 (Q2)

2. Published a paper entitled "HEAT AND MASS TRANSFER IN A VERTICAL CHANNEL THROUGH POROUS MEDIUM: INFLUENCE OF RADIATION AND SLIP CONDITIONS**"** in **"***Utilitas Mathematics"*14-07-2024, **https://utilitasmathematica.com/index.php/Index/article/view/1987**

3. Published a paper entitled "Heat and mass transfer effects on MHD mixed convection flow of viscoelastic fluid with constant viscosity and thermal conductivity" in "*Utilitas mathematica*".30-12-2023 https://utilitasmathematica.com/index.php/Index/article/view/1987

4. Published a paper entitled "MHD mixed convection flow of a Casson fluid over an exponentially stretching surface with the effects of Soret, Dufour, thermal radiation and chemical reaction" in *World Journal of Mechanics ,*2015, Vol. 5, pp 165-177.

5. Published a paper entitled "Effect of partial slip on MHD mixed convection flow of Carreau nanofluid over an exponentially stretching sheet with convective boundary condition, Soret and DuFour", in *Journal of Nanofluids* 2018, Vol. 7, No. 4, pp 711-717.

6. Published a paper entitled "MHD stagnation point flow of a Micropolar fluid flow over an exponentially stretching sheet with convective boundary condition, viscous dissipation" in *Journal of Nanofluids* Vol. 8, No. 2, pp 394-398, 2019.

7. Published a paper entitled "MHD mixed convection flow of Powell-Eyring fluid over an exponentially stretching sheet with suction/blowing, thermal radiation and slip effects" in **Advanced Science, Engineering and Medicine** , 2018, Vol. 10, No. 12, pp 1212-1217, Dec 2018.

8. Published a paper entitled "Effect of partial slip and convective boundary condition on MHD mixed convection flow of Williamson fluid over an exponentially stretching sheet in the presence of joule heating", in *Global Journal of Pure and Applied Mathematics* , 2017, Vol. 13(9), pp 5965-5975.

9. Published a paper entitled "Soret and Dufour Effects on MHD mixed convection flow of Carreau Nanofluid over an exponentially stretching sheet with concentration slip" in *Journal of Nanofluids* , 2017, Vol. 6, No. 6, pp 1143-1148, 2017.

10. Published a paper entitled "MHD mixed convection flow of a Casson fluid with convective boundary condition and effect of partial slip in the presence of joule heating over a vertically stretching sheet" in *International Journal of Innovative Research in Science Engineering and Technology*, 2017, Vol. 6(7)..

11. Published a paper entitled "Three dimensional MHD mixed convection Casson fluid flow over an exponentially stretching sheet with the effect of heat generation" in *British Journal of Mathematics and Computer Science*, 2016, Vol. 19(6), pp 1-8.

12. Published a paper entitled "Mixed convection MHD stagnation point flow over a stretching surface with the effects of heat source or sink and viscous dissipation" in *Journal of Applied Mathematics and Physics*, 2016, Vol. 4, pp 578-585.

13. Published paper entitled **"**Effect of Viscous dissipation on MHD mixed convection flow of hyperbolic tangent fluid over an exponentially stretching sheet with double slip and chemical reaction", *JP Journal of Heat and Mass Transfer*, Vol 19,1,2020

14. Published a paper entitled "Heat and mass transfer effects on MHD mixed convection flow of viscoelastic fluid with constant viscosity and thermal conductivity" in *Heat transfer, 14 oct* 2021, Vol 51, Issue 1, PP 1213-1236, doi:10.1002/htj.22349

15. Published a paper entitled "MHD and mass transfer on peristaltic flow of Williamson fluid in a vertical annulus" in *Journal of Applied Science and Computations*, 23 june 2021, Vol VIII, Issue VI, pp 156-178.

16. Accepted a paper entitled **"**MHD heat and mass transfer of an oscillatory flow across a vertical permeable plate in a porous media with chemical reaction" in *JP Journal of Heat and Mass transfer*"

WEBINAR ORGANIZED [Online]

	Name of the Webinar	Date	Role
1	Applications of Fluid Mechanics in Engineering and Technology	27th july 2020	**Convener**

Workshops/Seminars/Conferences Participated/Presented

1. Presented a paper entitled "MHD Casson flow of a Rotataing liquid past a porous medium in the presence of thermal radiation and chemical reaction" in 6th Research day of CBIT(A) on 14th December 2024.
2. Presented a paper entitled "MHD mixed convection flow of Tangent hyperbolic fluid over an exponentially stretching sheet with the effects of partial slip and thermal radiation" in "**20th international conference on Recent Advances in Physical Sciences and Future Challenges**" Faculty of Science (Department of Mathematics, Physics and Chemistry), Osmania University, Hyd., on July14-16, 2017.
3. Presented a paper entitled "MHD stagnation point flow of a micropolar fluid through a porous medium over an exponentially stretching sheet with convective boundary condition, viscous dissipation" in **National Conference on "Recent Advances of Mathematical Techniques in Science and Engineering"** held at O.U during July 30-31,2017.
4. Participated in national level One-Day workshop on **"Applications of Mathematics in Space Sciences"** held by the Department of Mathematics, CBIT, Gandipet on 30 Nov 2018.
5. Participated in **Research Day** and Presented Paper entitled "**MHD mixed convection flow of Casson fluid over Radially stretched sheet with joule heating and chemical reaction**" on 23rd August 2019 at CBIT, Gandipet, Hyderabad.
6. Presented a paper entitled "Slip effects on MHD flow of a Carreau Nanofluid through a porous medium" in "**National Conference on Recent Advances in Mathematics and Its Industrial Applications**" held at Acharya Nagarjuna University, Ongole, Andhra Pradesh during 2020, 6-7th Feb
7. Participated in three-day national workshop on "**Physics of Fluids: Methods and Applications**" at GITAM School of Science, Hyderabad during 20-22 Feb 2020.
8. Participated in the hands-on workshop on "**Patents, Trademarks and Copyrights**" organized by Institute Innovation Cell (IIC) - CBIT, Chaitanya Bharathi Institute of Technology, (Autonomous) on 17th July,2021.
9. Participated in **Three Day Online Workshop on Universal Human Values-II: Understanding Harmony** organized by Chaitanya Bharathi Institute of Technology(A), Gandipet, Hyderabad, 500075, held during 20th to 22nd September 2021.

Webinars attended

1. National Webinar on **Coping with Psychological issues during Covid-19** organized by SGK Govt. Degree College, Vinukonda, 07 May 2020.
2. Two Day National Webinar on "**Artificial Intelligence & Machine Learning**" organized by Loyola Academy, Old Alwal, Secunderabad, 20&21 May 2020.
3. Two Day International Webinar on "**Fluid Dynamics and its Applications**" organized by Government first Grade college, Vijayanagara, Bengaluru 28&29 May 2020.
4. Webinar on "**Pedagogical Use of ICT in a Classroom**" organized by Stanley college of Engineering and technology, Hyderabad, 29 May 2020.
5. Webinar on "**Graphs in Life**" organized by Donbosco college of Arts and Science, Thoothukudi 29 May 2020.
6. National Webinar on "**Innovative Approaches in Differential Equations**" organized by Vignana Bharathi Institute of Technology, Hyderabad, 5 June 2020.
7. International Webinar on "**Urban Air quality Assessment Using a Mathematical Model**" organized by SRI Kanyaka Parameswari Arts & Science College for Women, Chennai, 5 June 2020.
8. Online Webinar on "**Environment and Sustainable Development**" organized by Vidyavardhaka College of Engineering, Mysuru, 5 June 2020.
9. Webinar on "**What's wrong with Machine Learning**" organized by Mahendra College of Engineering, 13 June 2020.
10. Webinar on "**Organizing Literature for Effective Research**" organized by Government of Karnataka, Government College of Engineering, HAVERI, 24 June 2020.
11. Webinar on "**Publishing Research Articles in Scopus Indexed Journals**" organized by Chaitanya Bharati Institute of Technology, Hyderabad, 24 June 2020.
12. National Webinar in **Mathematics & Statistics** is organized by University College for Women, Koti, Hyderabad, 24 June 2020.
13. National Webinar on "**Differential Equations and Applications**" Organized by Mallareddy Institute of Technology and Science, 26 June 2020.
14. First Leadership Talk with Prof D.P Singh, Chairman UGC on 09 May 2020 by MHRD's Innovation Cell.
15. First Leadership Talk with Dr. Pramod Chaudari on 16 May 2020 by MHRD's Innovation Cell.
16. First Leadership Talk with Mr. Mahesh Babu, CEO Mahindra Electric Mobility Ltd., on 23 May by MHRD's Innovation Cell.
17. First Leadership Talk with Ms. Ashwin Deshpande on 6 June by MHRD's Innovation Cell.
18. First Leadership Talk with Shri R Subrahmanyam [IAS] on 13 June by MHRD's Innovation Cell.
19. First Leadership Talk with Mr. Shridhar Venkat, CEO [Akshay Patra foundation] on 20 June by MHRD's Innovation Cell.
20. First Leadership Talk with Shri Dipendra Manocha on 27 June by MHRD's Innovation Cell.
21. **Statistical Analysis and interface in Engineering problems** 13 july 2020 organized by Department of mathematics, CBIT, Gandipet.
22. **Applications of Graphs in Communication and social networks** on 8th june 2021 organized by Vignan's University, Department of S&H, VFSTR, Vadlamudi, Guntur.
23. **Applications of Number theory and Cryptography** on 8th july 2020 organized by Department of mathematics, CBIT, Gandipet.
24. National Webinar on **MATHEMATICAL MODELING AND SIMULATION OF THE EXTREME EVENT organized by** Koneru Lakshmaiah Education Foundation on 21st March 2022
25. A Three-Day International Webinar on "**Non-Linear Differential Equations & Fluid Dynamics Applications in Engineering Sciences**" organized by the Department of Humanities and Sciences (Mathematics & Statistics), CVR College of Engineering on 12th-14th May 2022.