

Name of Faculty Dr. K. Sharada
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 24-06-2019
 E-mail ksarada_maths@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Applied Mathematics)	Awarded
PG	M. Sc. (Pure Mathematics)	First class
UG	B.Sc.	Distinction

Work Experience 15 years 4 months

Teaching 10 Years

Research 05 years

Industry
Others

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Area of Specialization Fluid Mechanics [Ph.D]

Professional Memberships Life Member APTSMS [LM1401]

Responsibilities held at Institution Level Green Audit committee member from 15-07-2022 to till date.

Responsibilities held at Department Level Coordinator of R&D

Research Guidance

Awards Received

Courses Handled at Under Graduate / Post Graduate Level. Mathematics-I, Mathematics-II, Engineering Mathematics-I, Numerical Analysis, Probability and statistics, Transform theory, Operations Research

No. of Papers Published National Journals –03 International Journals – 09

National Conference –04 International Conference – 09

Projects Carried out

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Patents

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Invited Speaker

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No. of Chapter Published with details

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

1. Faculty Awareness Programon “NAAC Awareness Programme for faculty” from 8th may-14th may 2020, organized by Marathwadamitra mandals’s Institute of Technology, PUNE.
2. STTP on “Matlab based Teaching-Learning in Mathematics, Science & Engineering” from 18th may-22nd may 2020, 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 Shivaji Raju College of Engineering.
4. FDP on "Artificial Intelligence" from 22nd may- 26th 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 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

International/National Journals from the Year 2013

1. 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/hjt.22349
2. 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.
3. KSharada, BShankar, (2020) "Effect of Viscous Dissipation on MHD Mixed convection flow of hyperbolic tangent fluid over an exponentially stretching sheet with double slip and Chemical Reaction in JP Journal of Heat and Mass Transfer, Vol 19, no 1, pp 43-56.
4. KSharada, BShankar, (2019) "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.
5. K Sharada, B Shankar, (2018) "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, Vol. 10, No. 12, pp 1212-1217.
6. K Sharada, B Shankar, (2018) "Effect of partial slip on MHD mixed convection flow of Carreau nanofluid over an exponentially stretching sheet with convective boundary condition, sores and dufour", in Journal of Nanofluids, Vol. 7, No. 4, pp 711-717.
7. K Sharada, B Shankar, (2017) "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.
8. K Sharada, B Shankar, (2017) "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, Vol. 6(7).
9. K Sharada, B Shankar, (2017) "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, Vol. 13(9), pp 5965-5975.

Workshops/Seminars/Conferences Participated/Presented from 2017

1. 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 July 14-16, 2017.
2. 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.
3. 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.
4. 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.
5. 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
6. Participated in three-day national workshop on "Physics of Fluids: Methods and Applications" at GITAM School of Science, Hyderabad during 20-22 Feb 2020.
7. 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.
8. 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 from 2017:

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 Vignana'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.

WEBINAR ORGANIZED [Online]

1. Convener for Applications of Fluid Mechanics in Engineering and Technology on 27th July 2020

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