

Name of Faculty Smt. MANASA KOTHA  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular



Date of Joining 04-05-2009

E-mail kmanasa\_civil@cbit.ac.in

Education Qualifications

PG Master of Science in Civil Engineering  
 UG B.E in Civil Engineering

Class

4.0 GPA  
 First

Work Experience

Teaching 16 Years  
 Research --  
 Industry --  
 Others Teaching Assistant (1 year)

Area of Specialization

Environmental Engineering

Professional Memberships

- 1. IISA (International Indian Statistical Association)
- 1. Co-Convenor, SHRUTHI 2025 Core committee
- 2. Department Coordinator, Graduation Day, 2024-25
- 3. Member, Social Media Cell (since Oct, 2024)
- 4. Co-Convenor, Green Audit Committee (since Oct, 2024)
- 5. Department Coordinator, Graduation Day, 2023-24
- 6. Convener for College level Committee (since 2<sup>nd</sup> May, 2024) for ensuring the quality of construction of STP and WTP
- 7. Co-Convenor, SHRUTHI 2024 Core committee
- 8. Member, Green Audit Committee, NAAC & ISO
- 9. Co-Convenor, Cultural Committee, SHRUTHI 2023
- 10. Innovation Ambassador, MoE's Innovation Cell, AICTE (from 16-02-2021)
- 11. Member, Public Relations Committee
- 12. Member, Program Content Committee from 31<sup>st</sup> January 2020 till date.
- 13. Member, Academic Council for 1 year.
- 14. Coordinator, Environmental Club of CBIT – PARIVRITA from 2011 till August 2022.
- 15. Innovation Ambassador, MoE's Innovation Cell, AICTE (from 16-02-2021)

Responsibilities held at Institution Level

- 1. Member, Core Committee, Department Advisory Board (since April, 2025)
- 2. Program Coordinator, UG-PAQIC (since April, 2025)
- 3. In-Charge, Internships, B.E III Semester (since 2024-25)
- 4. Co-Ordinator, UG Projects, ( since 2023-24)
- 5. Incharge, Environmental Engineering Laboratory (2015-2023)
- 6. Member, Course Expert Group (Water Resources & Environmental Engineering)
- 7. Incharge, Result Analysis (since 2022)
- 8. Chief Mentor, Civil Engineering (since 2021)
- 9. Incharge, Time Tables (2021-23)
- 10. Incharge, ISO Inspection works (2015-17)
- 11. Coordinator, Civil Engineering Association (2015-16)

Responsibilities held at Department Level

Research Guidance

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Awards Received

Courses Handled at Under Graduate / Post Graduate Level.

Problem Solving and Programming using Python, Environmental Engineering, Water and Waste Water Engineering, Advanced Environmental Engineering, Water Resources Engineering and Management-II, Fluid Mechanics-I, Fluid Mechanics-II, Environmental Sciences, Disaster Risk Mitigation and Management, Engineering Graphics, Engineering Mechanics

No. of Papers Published

National Journals –

International Journals –

National Conference –

International Conference –

Projects Carried out

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Patents

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Technology Transfer

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Invited Speaker

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No. of Books/Chapter Published with details

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1. Participated in One week online FDP on “Data Analytics for Civil Engineering Research: Methods, Tools and Application” from 8-12 Dec., 2025 organised by Dept. Civil Engg. , MGIT
2. Participated in One week FDP organized by AICTE Training And Learning (ATAL) Academy on “SUSTAINABLE PRACTICES AND INNOVATIVE TRENDS IN CIVIL ENGINEERING”, 10-15 Nov., 2025
3. Participated in One week National Level FDP on “Applications of Composites and Nano Fillers in Civil Engineering{, organized by CED, CBIT, 21-25 April, 2025
4. Member, organising committee for 2<sup>nd</sup> International Conference on Advances in Civil Engineering 2025 (ICACE 2025), 2-4 April, 2025
5. Conducted One day workshop on “ Pre-engineered buildings – Revolutionizing Construction” on 12<sup>th</sup> March, 2025
6. Successfully completed Industrial Training on “Python Programming” conducted by Academy of Skill Development , 24<sup>th</sup> Nov – 16<sup>th</sup> Dec., 2024
7. Member, organising committee for 2<sup>nd</sup> International Conference on “Developments in Sustainable materials, Infrastructure and Manufacturing and Energy Engineering” (ICDSMIME), 13-14 Dec., 2024 at CBIT
8. Participated in FDP on “Mastering AI and GPT: Unleashing the power of Intelligent Automation”, organised by NIELIT, Aurangabad, during 17-21 Dec., 2024
9. Participated in AICTE recognised FDP on “Open Source Applications in Engineering Education, conducted by CSE, CBIT during 18-22 Nov., 2024
10. Participated in 40 hour FDP on “Recent Technological Innovations in Computer Science Engineering” sponsored by MeitY, GOI, organised by NITW, CBIT during 4-13 Nov., 2024
11. Conducted One Day Seminar on “Future Projections of monsoon patterns under CMIP6 scenarios: Implications for water resources and agriculture”, on 31<sup>st</sup> August, 2024 at CBIT
12. Participated in One week FDP on “Essential Mathematics for Data Science and Machine Learning”, CBIT, 5-9 Feb, 2024
13. Participated in One week FDP on “ Multi-Disciplinary Research Trends in Artificial Intelligence and Data Science”, CBIT, 29 Jan to 2 Feb, 2024
14. Participated in One week online FDP on “Quality Education through OBE”, CBIT, 22-27 January, 2024
15. Participated in AICTE recognized FDP on “OBE and NBA Accreditation”, 07-11 August, 2023
16. Participated in 30 hours International FDP on “Deep Learning for NLP and Computer Vision”, ExcelR, 10-28 July, 2023
17. Successfully completed National level One week FDP on “Recent trends in Data Science for Engineering”, 26-30 June, 2023
18. Successfully completed and received merit certificate for In-house 2 Week FDP on “Python Programming”, Aug 2022

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



19. Participated in two day inhouse MATLAB training program on "Machine learning, Deep learning and Image Processing", 26-27 July, 2022
20. Successful completed 8 week NPTEL course on " Roadmap for patent creation, Jan-Mar 2021
21. Successfully completed Innovation Ambassador training conducted, February, 2021
22. Attended the program International Continuous Professional Development online series on "Sustainable Practices and Advancements in Civil Engineering (SPACE-2020) organized by CED, CBIT in association with CDI-NAC during 9-9-2020 to 13-9-2020
23. Participated in one week online FDP on "Student induction and universal human values"organized by Department of Physics from 26-30 August, 2020
24. Participated five day online FDP on "Recent modeling approaches in water resources engineering (RMAWRE-2020) organized by Osmania University during 17-21 August 2020
25. Successfully completed a One Week online FDP on "Recent Trends and Research Scope in Civil Engineering" during 6-10 July, 2020 organized by Civil Engineering Department of CBIT(A).
26. Successfully completed 3 day International Online FDP on "Recent Advances in Civil Engineering-RACE-2020 organized by Vidya Jyothi Institute of Technology during 10-12 June, 2020
27. Successfully completed online One Week FDP on "Outcome based Education and NBA Process- (UG)", during 28<sup>th</sup> May-1<sup>st</sup> June, 2020 organized by CBIT(A).
28. Successfully completed a workshop on "Fuzzy Logic and Applications in Civil Engineering", organized by Centre of Excellence in Water Resources Management, Department of Civil Engineering, BITS Pilani, Hyderabad Campus during March 15-16, 2019.
29. Organized one day National seminar on "Water and Environment" on the occasion of World Water Day on March 22, 2018
30. Successfully completed a workshop-cum-training program on "Urban Flood Management: Technology Driven Solutions" during March 3-4, 2017 at BITS Pilani, Hyderabad Campus.
31. Successfully completed a mini symposium on "Wastewater Treatment & Reclamation", organized by Environmental Engineering Division at IITH on February 20, 2016.
32. Conducted "Civil Bridge Design" contest for the students of Civil Engineering, 27-28 February 2015 as part of India's biggest civil bridge design contest to be conducted at IITB.
33. Successfully completed 4 week Orientation Program in JNTU - 2011

Details of  
Conferences  
**International**)

Journal Publications/  
**(National and**