



FACULTY BIODATA

E-mail: cdk@mcehassan.ac.in

Mob: [8884255717](tel:8884255717)



1. <u>General information</u>		
1	Name	KRISHNASWAROOP C D
2	Qualification	BE., MTech.,
3	Designation	Assistant Professor
4	Teaching Experience	3.3 Years

2. <u>Educational Qualification</u>			
Degree/ Certificate	Institutional / University	Year	Percentage/ CGPA
M.TECH in ENVIRONMENTAL ENG.	SJCE, Mysore (JSS&STU)	2022	9.11
B.E in CIVIL ENGINEERING	Malnad College Of Engineering, Hassan	2020	7.58
DIPLOMA in CIVIL ENGINEERING	Rajeev Polytechnic,Hassan Board of Technical Education	2017	77.66
SSSLC	Sri Ramakrishna Vidhyalaya, Hassan	2012	69.76

3. <u>Funded Projects</u>	
Grants received from KSCST for my UG Project	
Title	Self Compacting Concrete Replacing Fine Aggregate by Soil
Year	2020
Reference Number	43S_BE_2016
Grants received from Make in MCE	
Title	Ecorix: Transforming waste into wellness at MCE, Hassan
Year	2026
Amount	₹ 12,437

4. <u>List of Publications</u>						
Sl. No.	Title	Journal with Vol. & Page No.	ISSN / ISBN No.	No. of Co-authors	Whether you are the main author or Guide / mentor	Year
1	“STUDY ON REMOVAL OF HARDNESS FROM GROUNDWATER USING LOW-COST ADSORBENT”	International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 10	e-ISSN: 2395-0056 p-ISSN: 2395-0072	3	Main Author	Oct 2022
2	“REPLACING REVERSE OSMOSIS USING LOW COST ADSORBENTS”	International Research Journal of Engineering and Technology (IRJET), Volume: 11 Issue: 05 May 2024	e-ISSN: 2395-0056 p-ISSN: 2395-0072	2	Main Author	May 2024
3	"SUSTAINABLE ENERGY SOLUTIONS: BIODIESEL BLENDS FROM BITTERWOOD OIL FOR ENGINE	Tuijin Jishu/ Journal of Propulsion Technology IISN: 1001-4055 Volume: 45 No.3 2024	1001-4055	6	Author	Nov 24

	EFFICIENCY AND EMISSION (Q3)					
4	Forecasting Solid Waste Generation and Its Composition in Visakhapatnam: A Case Study	Sustainable Advanced Technologies for Industrial Pollution Control, ATIPC 2024. Springer	978-3-032-07962-6	4	Author	Jan 26
5	Water Quality Distribution in Durgam Cheruvu Lake, Hyderabad	Sustainable Advanced Technologies for Industrial Pollution Control, ATIPC 2024. Springer	978-3-032-07962-6	5	Main Author	Jan 26

5. List of Conference

Sl. No.	Title	Organized by	Year
1	Water Quality Distribution in Duragam Cheruvu Lake	Indian Institute of Engineering Science and Technology, Shibpur - ATIPC	2024
2	A Comparative Study on Seawater Desalination Using Low-Cost Adsorbents	ASCE, Punjab	2025

6. List of Proceedings

Sl. No.	Title	Organized by	Published	Year
1	Water Quality Distribution in Duragam Cheruvu Lake	Indian Institute of Engineering Science and Technology, Shibpur - ATIPC	SCOPUS Indexed "SPRINGER PROCEEDINGS IN EARTH AND ENVIRONMENTAL SCIENCES (SPEES) by Springer Nature	2024
2	Forecasting Solid Waste Generation and Its Composition in Visakhapatnam: A Case Study	Indian Institute of Engineering Science and Technology, Shibpur - ATIPC	SCOPUS Indexed "SPRINGER PROCEEDINGS IN EARTH AND ENVIRONMENTAL SCIENCES (SPEES) by Springer Nature	2024

7. <u>Book Chapter</u>				
Sl No.	Book Title	Chapter No.	Chapter Title	Publication Date
1	TRANSCENDNIG BOUNDARIES: NEW DIMENSIONS IN MULTIDISCIPLINARY RESEARCH	24	ASSESSING THE IMPACT OF POLLUTION ON PUBLIC HEALTH	July 2024

8. <u>Patents Published/ Granted</u>				
Sl No.	Title of the invention	Application / Design Number	Patent Type	Publication Date
1	Green Roof System With Integrated Rainwater Harvesting	202441043401 A	Utility - Indian	14/06/2024
2	Solar Powered Water Purification Device	6372128	Design - UK	21/06/2024
3	IOT Based Organic Waste Composter	432232-001	Design - India	04/12/2024
4	Automatic cleaning device for solar panels	6439247	Design - UK	12/05/2025
5	Light Transmitting Concrete Using Glass Fiber and Optical Fiber for Enhanced Structural, Mechanical and Luminescent Properties	202641012427 A	Design - India	20/02/2026

9. <u>Key Resource Person</u>			
Sl No.	Programme	Place	Date
1	Training Programme for Plumbers and water management under Jal Jeevan Mission	Hassan District	12 Feb 2024 - 27 Feb 2024

10. <u>Membership</u>		
Sl No.	Name of the Professional Society /Body at National and International Level	Name of the Grade/ Level/Position
1	IFERP (International Forum for Education and Research Promotion)	PROF-20066551

11. <u>Programme Organised</u>		
Sl No.	Programme	Year
1	Poster Presentation, Institutional Level event on “Eco-warriors” organized by Department of Civil Engineering in collaboration with Make in MCE - an Alumni initiative	Nov 2025
2	Poster and Video Presentation, Institutional Level event on “Universal Human Values” organized by Department of Civil Engineering in collaboration with Make in MCE - an Alumni initiative	March 2026

12. <u>Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty Development Programs, NPTEL Courses</u>				
Sl. No.	Name of Course/ Summer/ Winter School	Duration	Organized by	Year
1	Electronic waste Management	4 weeks	NPTEL	Jan 2023
2	Digital Image processing using MATLAB	5 days	IFERP	Feb 2023

3	Intellectual Property Rights (IPR) & IP Management	3days	IFERP	Apr 2023
4	Emerging Methods & Models in Artificial Intelligence & Machine Learning	3 days	IFERP	Apr 2023
5	Choosing scholarlyJournals & Guidelines to publish Scientific Articles	3 days	IFERP	May 2023
6	Advanced Techniques in Machine learning for Data Science	3 days	IFERP	Jun 2023
7	Global Navigation Satellite Systems & Applications	4 weeks	NTPEL	Jul- Aug 2023
8	Drone Survey, photogrammetry & digitization of maps for Engineering Applications	5 days	Presidency University	Aug 2023
9	Air, Water pollution & Health	1 week	NITTR	Aug 2023
10	Analysis, Design & Testing of Towers	5 days	NITTE Meenakshi	Sept 2023
11	Municipal Solid Waste Management	12 weeks	NTPEL	Jul-Oct 2023
12	2nd series of Advancements in concrete Technology (AICTE-2023)	5 days	Ballari Institute of Technology	Nov 2023
13	Innovation and Design Thinking using AICTE IDEA LAB facility	1 week	AICTE Training and Learning (ATAL) Academy	Jan 2024
14	“Sustainable Environment- An Engineering Perspective (SEEP: 2024)”	1 week	ASSAM Engineering College, GUWAHATI	Jan 2024
15	“Empowering Educators : AI Tools for Engineering and Technology(AITET-2024)”	1 week	Chaitanya Bharathi Institute of Technology (A), Hyderabad	Feb 2024

16	Recent Advances and Research Scope in Geotechnical Engineering	1 week	Jorhat Engineering College, Assam	Jun 2024
17	New Generation Smart Materials and Composites for Sustainable Development	1 week	Malnad College of Engineering, Hassan	Jun 2024
18	Recent Advances in Structural Engineering and Material Science (RASEMS)	1 week	Jorhat Engineering College	June 2024
19	Emerging Technologies and Innovations: Pioneering Environmental Sustainability (ETIPES - 2024)	1 week	K.K Wagh Institute of Engineering Education and Reserch	Sept 2024
20	Waste to Wealth Innovation	1 week	AICTE Training and Learning (ATAL) Academy & NITTTR	Dec 2024
21	Design Thinking and Sustainable Innovation in Green Communication Systems Towards SDG Goals	1 week	AICTE Training and Learning (ATAL) Academy	Dec 2024
22	Vehicle Electrification: Future Mobility Trends	1 week	AICTE Training and Learning (ATAL) Academy	Jan 2025
23	The Role of Artificial Intelligence in Sustainable Waste Management	1 week	AICTE Training and Learning (ATAL) Academy	Feb 2025
24	Potential and Opportunities in Engineering Education	1 week	Haldia Institute of Technology, West Bengal	March 2025
25	Role of AI & Automation in Civil Engineering	1 week	Dr. D.Y. Patil Institute of Technology, Pune with ASCE	March 2025

26	Short-Term Course Beyond Uncertainty: Thrive and Lead in the BANİ Era	1 week	Gokul Global University, Gujarat & Nucleus of Learning	April 2025
27	Water Treatment and Beyond: Engineering for Clean and Safe Water	1day	Presidency University	April 2025
28	The Pedagogical Power of Case-Based Teaching	1 week	IIMT University, Meerut in collaboration with Nucleus of Learning & Development	July 2025
29	Research Skill Enhancement with Emphasis on Ethics, Journal Selection and Author Profiling	1 week	Sarada Lurup College and Research (SKCER), Ghansoli	March 2026
30	Emerging Innovations for Sustainable Engineering: Research Gaps and Future Directions	1 week	Assam Down town University, Guwahati	March 2026
31	Neuro-Management and Cognitive Science in teaching	1 week	C T E Society's, Chikidi	April 2026
32	Advanced Materials and Manufacturing Technologies	1 week	MCE, Hassan	May 2026
33	Innovation, Entrepreneurship and IPR	1 week	Haldia Institute of Technology, West Bengal	May 2026

13. Hands on Training

Sl No.	Programme	Organised by	Year
1	One day Hands on Training in SEM and TGA	Jyothy Institute of Technology , Bengaluru	Feb 2024

2	Three days Hands on Training in Physics Based Digital Twin for Predictive maintenance and virtual monitoring in water systems	IIT, Roorkee	May 2026
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14. <u>Reviewer</u>		
Sl No.	Journal	Year
1	Research on Engineering Structure and Materials	May 2026

15. <u>Academic Background</u>		
Sl. No	Responsibilities	Academic Year
1	Contineo Coordinator	2023-Till date
2	Time Table Coordinator	2023- Till date
3	Dept. Website Coordinator	2023 -Till date
4	Dept. Paper Seeing Coordinator	2023- Till date
5	College Disciplinary Committee Member	2025- Till date
6	Parent Interaction Coordinator	2026- Till date

16. <u>Subjects Handled</u>				
Sl. No	Subjects	Subject Code	Semester	Academic Year
1	Irrigation Engineering and Hydraulics Structure	20CV603	Even	2022-2023
2	Innovation and Design Thinking	22IDT28	Even	2022-2023
3	Waste Management	23ETC15F	Odd	2023-2024
4	Environmental Protection and Management	22CV306C	Odd	2023-2024
5	Innovation and Design Thinking	22IDT18	Odd	2023-2024

6	Waste Management	23ETC25F	Even	2023-2024
7	Components of a Smart City	22CV456B	Even	2023-2024
8	Solid Waste Management	21CV656	Even	2023-2024
9	Innovation and Design Thinking	23IDT28	Even	2023-2024
10	Waste Management	24ETC415F	Odd	2024-2025
11	Innovation and Design Thinking	24IDT18	Odd	2024-2025
12	Rural Water Supply and Sanitation	21CV744	Odd	2024-2025
13	Environmental Protection and Management	22CV306C	Odd	2024-2025
14	Waste Management	24ETC425F	Even	2024-2025
15	Components of a Smart City	23CV456B	Even	2024-2025
16	Innovation and Design Thinking	24IDT28	Even	2024-2025
17	Environmental Protection and Management	24CV306C	Odd	2025-2026
18	Smart Urban Infrastructure	24CV358A	Odd	2025-2026
19	Environmental Studies	EVS	Odd	2025-2026
20	AI Foundation for Civil Engineering	ETC	Odd	2025-2026
21	Environmental Engineering Laboratory	23CV505	Odd	2025-2026
22	Innovation and Design Thinking Lab	IDTL	Odd	2025-2026
23	Universal Human Values	24UHV	Even	2025-2026
24	Inter Disciplinary Projects	IDP	Even	2025-2026
25	Components of a Smart City	24CV405B	Even	2025-2026
26	Irrigation and Hydraulic Structures	23CV602	Even	2025-2026