

## **Faculty Profile**

(Provide the information for last five years from 2020-21 to 2024-25)

1. Name of the faculty : Dr.Ashwini L K
2. Name of the Department :Civil Engineering
3. Present position : Assistant Professor
4. Educational qualifications : Ph.D

(Degree onwards)

<b>Degrees</b>	<b>Class/ Grade</b>	<b>University/ Institution</b>	<b>Stream Regular/ Distance</b>	<b>Year of award</b>
Ph.D.	-	Bangalore University	Part Time	2022
PG Degree	Distinction	Bangalore University	Regular	2013
UG Degree	Distinction	Bangalore University	Regular	2011
Other/s				

5. E-mail and contact number :ashwinilk181@gmail.com 9535471439
6. Date of Joining the Institute : 16/01/2023
7. Total teaching experience :(Mention in Reverse chronological order)

<b>Year</b>		<b>Designation</b>	<b>AICTE Approved Institutions</b>	<b>Dr.AIT</b>	<b>Academic- Administrative Responsibility held</b>
<b>From</b>	<b>To</b>				
24/07/2015	14/01/223	<b>Assistant Professor</b>	Rajarajeswari College of Engineering	16/01/2023- Till date	<b>PG Coordinator Placement Coordinator Alumni Coordination BOE and BOE for PG IQAC and NAAC coordinator</b>
29/07/2013	13/06/2015	<b>Assistant Professor</b>	The Oxford College of Engineering		

8. Specialization : Structural Engineering
9. Courses taught : Structural Analysis, Design of RCC structural elements, Design of RC and Steel Structures, Buildings materials, concrete Technology, Prestressed Concrete, Engineering Mechanics, Environmental Studies, Alternate building Materials, Bridge Engineering, Masonry Structures, Research Methodology and IPR
10. Research experience : 7 years
11. Major research projects completed: Title of the project, Date of sanction and Duration, Grant received, Funding agency. PI or Co-PI.

Academic Year	Major Project Title	Date of Sanction	Funding agency	Duration	Sanctioned Amount	Grant Received	PI or Co-PI	Outcome of the Research
2023-24	NIL							
2023-24	NIL							

12. Minor research projects completed: Title of the project, Date of sanction and Duration, Grant received, Funding agency. PI or Co-PI.

Academic Year	Minor Project Title	Date of Sanction	Funding agency	Duration	Sanctioned Amount	Grant Received	PI or Co-PI
2023-24	"Feasibility Studies and strength evaluation of paper slurry and Granite waste sludge concrete specimens"	17/04/2025	KSCST	6 Months	5000/-	5000/-	PI
2023-24	Strength and Durability Studies on Concrete utilizing	17/04/2025	KSCST	6 Months	7000/-	7000/-	PI

	Sewage Sludge ash and treated sewage water						
--	---	--	--	--	--	--	--

### 13. Guidance / Supervision

- i) Number of students successfully awarded Ph.D. degree: Name of the student, topic of research, date of registration, Research Centre/University, date of declaration of Ph.D. degree.

Sl. No	USN No.	Student Name	Research Topic	Date of Registration	Research Centre/University	Date of Declaration of PhD
NIL						

- ii) Number of students registered for Ph.D. degree: Name of the student, topic of research, Research Centre/University, date of registration.

Sl. No	USN No.	Student Name	Research Topic	Date of Registration	Research Centre/University	Status
NIL						

- iii) Number of students awarded M.Tech by Research: Name of the student, topic of research, date of registration, Research Centre/University, date of declaration of M. Tech. degree.

Sl. No	USN No.	Student Name	Research Topic	Date of Registration	Research Centre/University	Date of Declaration of M. Tech
1	1DA22CSE09	Pooja S	Fragility Estimates of RC Structures	2022	Dr.AIT	2024 May
2	1DA22CSE06	Lokesh B K	Strength and Durability Studies on Concrete utilizing Sewage Sludge	2022	Dr.AIT	2024 May

			ash and treated sewage water			
3.	1DA22CSE03	Guruprasad Balagi	Feasibility of Graphene Nanoplatelets in Cement Based Materials	2022	Dr.AIT	2024 May
4	1DA22CSE13	Yashwanth G	Experimental Investigateion on the Properties of concrete containing HDPE plastic and Copper Slag as Coarse and Fine Aggregate replacement.	2022	Dr.AIT	2024 May

14. Participation in conferences, symposia, seminars and workshops: International, national, state or university level, attended. Presented paper, chaired session. Resource person.

International Conference			
Academic Year	Title of the Conference	Venue and Date of Conference	Attended/Presented paper/ Chaired Session/ Resource Person
2024-25	International Conference on sustainable Energy and Environment	BITS Pilani KK Birla Goa Campus, 8 <sup>th</sup> to 10 <sup>th</sup> March 2025	Presented Paper
2024-25	International Conference on sustainable Energy and Environment	BITS Pilani KK Birla Goa Campus, 8 <sup>th</sup> to 10 <sup>th</sup> March 2025	Presented Paper
2023-24	International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges-2024(SIIOC-2024)	NITK, Suratkal, April 30 <sup>th</sup> & 1 <sup>st</sup> May 2024	Presented Paper
2023-24	International conference on advancements in Science,Engineering & Technology	Vidya Vihar Institute of Technology,	Presented Paper

		Purnea, Bihar,India.	
2023-24	International conference on advancements in Science,Engineering & Technology	Vidya Vihar Institute of Technology, Purnea, Bihar,India.	Presented Paper
2023-24	International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges-2023(SIIOC-2023)	April <b>20-21 2023.</b> <b>NITK, Suratkal,</b>	Presented Paper
<b>National Conference</b>			
<b>Academic Year</b>	<b>Title of the Conference</b>	<b>Venue and Date of Conference</b>	<b>Attended/Presented paper/ Chaired Session/ Resource Person</b>
2024-25	NIL		

<b>Symposia/ Seminars/ Workshops</b>						
<b>Sl.No</b>	<b>Academic Year</b>	<b>Title</b>	<b>Symposia/ Seminars/ Workshops</b>	<b>Venue and Date</b>	<b>Inter national/ National/ State/ University Level</b>	<b>Attended/ Presented</b>
1.	2024-25	Faculty Development Program on “Emerging Trends in Civil engineering”	FDP	7th July 2025 to 11th July 2025	National	Attended
2.	2024-25	Faculty Development Program on “Smart and Sustainable Infrastructure:Trends, Tools and Techniques	FDP	23rd to 27th June 2025	National	Attended
3.	2024-25	AICTE sponsored one week Faculty Development Program on Sustainable Infrastructure and Disaster Management: PATHways to a Resilient Future	FDP	17/02/2025 to 22/02/2025.	National	Attended
4.	2024-25	AICTE sponsored one week Faculty Development Program on GIS and Remote Sensing Application in civil Engineering for Sustainable Energy	FDP	20/01/2025 to 25/01/2025	National	Attended

		and climate 2024-25Management				
5.	2024-25	AICTE sponsored one week Faculty Development Program on Integrating Disaster Management with Resilient Structural Engineering:New Horizons at Rajkiya Engineering College Mainpuri	FDP	13/01/2025 to 18/01/2025	National	Attended
6.	2024-25	AICTE sponsored one week Faculty Development Program on Emerging Trends in Civil engineering for Disaster Management at JNTU college of Engineering	FDP	23/12/2024 to 28/12/2024.	National	Attended
7.	2023-24	Two days Orientation Workshop on writing higher education textbooks in Kannada organized by Bangalore University in collaboration with UGC's Bharathiya Samithi	FDP	21-22 october 2024.	National	Attended
8.	2023-24	FDP on Advanced materials and techniques for the repair and strengthening of concrete structures organized by Department of Civil Engineering, RVR and JC college of Engineering,	FDP	23/09/2024 to 27/09/2024.	National	Attended
9.	2023-24	ne week online Faculty development Programme on "Machine Learning and Statistical data analysis using	FDP	8 <sup>th</sup> -13 <sup>th</sup> July 2024.	National	Attended

		MATLAB” under Malaviya Mission Teacher training Programme(MM-TTP) of University Grants Commission(UGC) organised by UGC-MMTTC, Shri Mato Vaishno devi University				
10.	2023-24	Five days Faculty Development Program on “2 <sup>nd</sup> series of Geotechnical Engineering Practices and its Sustainable development-2024	FDP	18 June 2024 to 22 June 2024	National	Attended
11.	2023-24	Faculty development programme on Emerging Trends in Geotechnical Engineering	FDP	22 <sup>nd</sup> to 27 <sup>th</sup> April 2024	National	Attended
12.	2022-23	AICTE recognized Faculty Development Programme on “Integrated Water Resource Management	FDP	26/02/2024 to 01/03/2024	National	Attended
13.	2022-23	one week Short Term Training programme on “Futuristic scope in Civil Engineering” organised by KDK College of Engineering	FDP	15/1/2024 to 20/1/2024	National	Attended

15. Innovative processes developed in teaching and learning:

Implementation and preparation of innovative teaching–learning methodologies (excluding common methods such as PPTs, flipped classrooms, quizzes, etc.) over the last **five academic years**.

Sl.no	Academic year	Odd/Even Sem	Course	Short description of the Activity	Remarks
1.	2024-25	<b>ODD &amp; EVEN</b>	Prestressed Concrete, Design RC structural	<b>Youtube channel, drashwini</b>	

			Elements, Research Methodology and IPR, Masonry Structures		
<b>2.</b>	2023-24	<b>ODD EVEN</b>	<b>Design of concrete Bridge Structures</b>	<b>Youtube channel, drashwini</b>	
<b>3.</b>	2022-23	<b>Odd and Even</b>	<b>Engineering Mechanics Introduction Civil Engineer Engineer Survey</b>	<b>Youtube Channel</b>	

**16. Participation in curricular development:**

<b>Sl.no</b>	<b>Academic year</b>	<b>Odd/Even Sem</b>	<b>Course</b>	<b>Short Description of the Course Content</b>
<b>1.</b>	2024-25	<b>Odd and Even Semester</b>	<b>Computer Aided Building Planning and Drawing, Masonry Structures, Design concrete bridge structures</b>	<b>Planning a building, various materials for Masonry Construction components bridge, design of slab and culvert, design of T beams and Prestressed concrete bridges</b>
<b>2.</b>	2023-24	<b>Odd and Even Semester</b>	<b>Computer Aided Building Planning and Drawing, Masonry Structures, Design concrete bridge structures</b>	<b>Planning a building, various materials for Masonry Construction components bridge, design</b>



				of slab and culvert, design of T beams and Prestressed concrete bridges
3.	2022-23	Odd and Even Semester	Computer Aided Building Planning and Drawing, Masonry Structures, Design concrete bridge structures	Planning a building, various materials for Masonry Construction components bridge, design of slab and culvert, design of T beams and Prestressed concrete bridges

**17. Participation in co-curricular and extra-curricular activities:**

Sl.no	Academic year	Odd/Even Sem	Type of the activity (Co-curricular/ Extra Curricular)	Short Description of the Activity
4.	2024-25	Odd and even sem	Organizing Guest lectures	JSW cements, types and concrete production and Modern construction materials
5.	2023-24	Odd and even sem	Student development program on structural analysis and design and BIM Workshop	Analysis a 3D building and BIM modelling
6.	2022-23	Odd and even sem	Guest lectures and Technical Talks	Waste management and environment pollution concepts

18. Examination /Evaluation reforms initiated: NIL

19. Publication of research papers: in peer reviewed journals, non-peer reviewed journals, conference proceedings, impact factors, citations, h-index. Numbers in SCOPUS.

Journal Publication						
Academic Year	Research Paper Title	Journal Name	Date of Publication/P age Numbers	Impact Factor/h-index/Number in SCOPUS	peer reviewed/ non-peer reviewed	National / International
2024-25	Fragility Estimates of RC Irregular Structures	978-981-97-4843-3,605126_1_En( Chapter 19), Lecture Notes in Civil Engineering, Vol.528. Technologies for sustainable buildings and Infrastructure.	Sept 2025	Scopus	Peer Reviewed	International
2023-24	Vulnerability and Sensitivity assessment of RC Structures with uncertainty in Material properties”	978-981-97-4843-3,605126_1_En( Chapter 19), Lecture Notes in Civil Engineering, Vol.528. Technologies for sustainable buildings and Infrastructure.	Sept 2024	Scopus	Peer Reviewed	International
2023-24	A Micro Structural study of Passive Confined Self–Compacting Concrete under Compression at elevated Temperature,	Tuijin Jishu /Journal of Propulsion Technology,	ISSN:1001-4055, Vol.44 No.4 (2023)	Scopus	Peer Reviewed	International
Conference Proceedings						
Academic Year	Research Paper Title	Conference Name	Venue	Date of Publication/Page Numbers	Impact Factor/h-index/Number in SCOPUS	National/ International
2020-2021	Study on Probabilistic seismic evaluation	Second ASCE India Conference on	Kolkata	PP:1877-1883	-	International

	of multistory RC building	“Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies”				
2022-23	Crop water Estimation” International Conference on emerging Trends in engineering	International Conference on emerging Trends in engineering, Management & Technology”	Bangalore	-	-	International
2022-23	Improving Seismic Resistance of The Structure Using Concrete Jacketing”	International Conference on emerging Trends in engineering, Management & Technology”	Bangalore	-	-	International
2022-23	Pushover analysis of Different Storey RC Structures of Various Zones	International Conference on emerging Trends in engineering, Management & Technology”	Bangalore	-	-	International
2022-23	Measurement of Evaporation using Pan Evaporation	International Conference on emerging Trends in engineering, Management & Technology”	Bangalore	-	-	International

20. Books published: with ISBN No., Without ISBN No., Chapters in books.

Academic Year	Title	Date of Publication/Page Numbers	ISBN Number	Book/Book Chapter
2024-25	“Strength of Materials	2024	ISBN 978-93-6132-337-9	Book
2024-25	“Structural Engineering: The fundamental Concepts”	2024	ISBN: 978-81-974283-7-1, ISBN-10: 8197428379	Book

21. Patents Published/Granted: National. International, commercialized:

<b>Academic Year</b>	<b>Patent Number &amp; Date of filing</b>	<b>Title</b>	<b>National /International</b>	<b>Published Date</b>	<b>Grant Date</b>
2024-25	20 2024100713	An integrated system for modelling and verifying mechanical response in MWCNT and HNC reinforcement nanocomposites	International	8/5/2024	8/5/2024
2023-24	No-202341034152A,	<b>Study Of Corrosion Inhibitors For Industrial Cooling Systems</b>	National	6/6/2023	6/6/2023

22. Consultancy services provided and revenue generated:

<b>Academic Year</b>	<b>Title of the project</b>	<b>Name of the Principal Investigator</b>	<b>Date of sanction &amp; Amount</b>	<b>Sponsoring Agency</b>	<b>Status</b>	<b>Remarks</b>
2024-25	<b>NIL</b>					

23. Conferences, seminars, symposia and workshops organized/Attended:

i) **Organised**

<b>Academic Year</b>	<b>Title of the workshop/FDP /Conference</b>	<b>Name of the Coordinator/s</b>	<b>Date</b>	<b>Sponsoring Agency</b>	<b>No. of participants</b>
2024-25	Organized Guest Lecture on “JSW cement orientation program on sustainability”	Dr.Ashwini L K	23/5/2025	Dr.AIT	70
2024-25	Organized Guest Lecture on “Advanced Concrete materials and Construction Technique	Dr.Ashwini L K	10/1/2025	Dr.AIT	70
2024-25	Organised three days workshop on “BIM and Revit software”	Dr.Ashwini L K	28/11/2024 to 30/11/2024	Dr.AIT	60
2024-25	Organised	Dr.Ashwini L K	10/6/2024	Dr.AIT	60

	Seminar on “Career Mentoring and Profile building for higher Studies Abroad”				
2024-25	Organised Seminar on “Career Mentoring and Profile building for higher Studies Abroad”	Dr.Ashwini L K	14/6/2024	Dr.AIT	60
2024-25	Two days Student development programme	Dr.Ashwini L K	May 20 <sup>th</sup> -21 <sup>st</sup> 2024	Dr.AIT	60
2022-23	Webinar on “Industry Expectations from Young engineers” by Shri.Rajeev Jain, Sr.Director, Construction Industry Development Council, Established by Planning Commission(now NITI aayog) Government of India and Indian Construction Industry	Dr.Ashwini L K	17 <sup>th</sup> June 2023	Dr.AIT	100
2022-23	Expert lecture on “ Industrialization and its impact on Environment”	Dr.Ashwini L K	15.02.2023.	Dr.AIT	75
2022-23	Expert lecture on “Advances in waste Management” by Dr.D.C Sharma	Dr.Ashwini L K	30/01/2023	Dr.AIT	75

ii) Attended-**Conference/ seminars/ symposia/workshops**

Sl. N	Academi c Year	Title	Type (National/International-	Dates Attended	Organised by Department/Coll
----------	-------------------	-------	----------------------------------	-------------------	---------------------------------

<b>o</b>			<b>Workshop/FDP /Seminar)</b>	<b>(Duration)</b>	<b>ege/University</b>
<b>1.</b>	2024-25	International Conference on sustainable Energy and Environment	International	Presented Paper	BITS Pilani KK Birla Goa Campus, 8 <sup>th</sup> to 10 <sup>th</sup> March 2025
<b>2.</b>	2023-24	International Conference on sustainable Energy and Environment	International	Presented Paper	BITS Pilani KK Birla Goa Campus, 8 <sup>th</sup> to 10 <sup>th</sup> March 2025
<b>3.</b>	2022-23	International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges-2024(SIIOC-2024)	International	Presented Paper	<b>NITK, Suratkal,</b> April 30 <sup>th</sup> & 1 <sup>st</sup> May 2024
<b>4.</b>	2021-22	International conference on advancements in Science, Engineering & Technology	International	Presented Paper	Vidya Vihar Institute of Technology, Purnea, Bihar, India.
<b>5.</b>	2020-21	International conference on advancements in Science, Engineering & Technology	International	Presented Paper	Vidya Vihar Institute of Technology, Purnea, Bihar, India.

24. Number of collaborations:

<b>S. No</b>	<b>Industry Partner Details</b>	<b>Name of the expert and designation</b>	<b>Nature of Collaboration (e.g., Guest Lecture, Internship, MoU, Consultancy, Joint Research, Curriculum Development)</b>	<b>Date/Duration</b>	<b>Outcome/Impact</b>	<b>National/ International</b>
1	JSW Cements	Vinod	Guest Lecture	2 hours	Industrial exposure	National
2	UltraTech cement	Yateesh	-Placements	Placed 10 students at	Placement	National

				Ultratech		
3	Multiaxis Innovations	Balu Krishnamurthy	3 days workshop on BIM	Nov 2024	Industrial requirement	National
4	Vinirva Dseigns	Kiran Kumar L	Analysis and design of structures using Etabs	May 2024	Industrial requirement	National

25. Professional Membership:

Sl. No	Name of the professional body	Fellow/Life Member
1	Institute of engineers	Life Member

26. MOOC/Online Courses developed/Delivered/Attended:

Academic Year	Course Registered for	Duration	No. of Weeks	Credits	% Obtained
2024-25	NIL				

27. Awards /recognitions received: International, National, State, University level.

Academic Year	Awards/Recognitions	Date andplace	International/ National/ State/ University level
2024-25	Best Paper award at international conference held at Rajarajeswari college of Engineering		

28. Details of Involvement in Academic and Administrative Committees:

Responsibilities outside the institution: as External member (LIC, BOS, BOE, NBA, UGC, NAAC etc.)

Sl. No	Academic Year	Nature of Activity
1	2024-25	NIL
	2023-24	
	2022-23	
	2021-22	
	2020-21	

29. Details of Outreach Activities

Member in NSS, NCC,Reviewer for Journals, Conference Chair, Technical Committee Member, etc.

Sl. No	Academic Year	Nature of Activity
1	2024-25	Reviwer for International Conference at NITK, Suratkal
	2023-24	Reviwer for International Conference at

		NITK
	2022-23	Reviwer for International Conference at NITK