

Faculty Profile

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

1. Name of the faculty : MARY BHAGYA JYOTHI J
2. Name of the Department : CIVIL ENGINEERING
3. Present position : ASSISTANT PROFESSOR
4. Educational qualifications : B.E ,M TECH

(Degree onwards)

Degrees	Class/ Grade	University/ Institution	Stream Regular/ Distance	Year of award
Ph.D.	-	-	-	-
PG Degree	FCD	VTU	Regular	2018
UG Degree	FCD	VTU	Regular	2016
Other/s	-	-	-	-

5. E-mail and contact number : marybhagyajyothi.cv@drait.edu.in , 9481039158
6. Date of Joining the Institute : 17-12-2018
7. Total teaching experience : (Mention in Reverse chronological order)

Year		Designation	AICTE Approved Institutions	Dr. AIT	Academic- Administrative Responsibility held
From	To				
17-12-2018	Till date	Assistant Professor	Dr. AIT	Dr. AIT	<ol style="list-style-type: none"> 1. IQAC co-ordinator, 2. CIE co-ordinator, 3. Dept Library incharge, 4. Alumni co-ordinator, 5. NIRF co-ordinator, 6. SQUAD member

8. Specialization : STRUCTURAL ENGINEERING
9. Courses taught : STRUCTURAL ANALYSIS, DESIGN OF RCC STRUCTURES, DESIGN OF STEEL STRUCTURES, INTRODUCTION TO CIVIL

ENGG, OSHA, ENVIRONMENTAL STUDIES, PRESTRESSED CONCRETE STRUCTURES, ANALYSIS OF DETERMINATE STRUCTURES, ANALYSIS OF INDETERMINATE STRUCTURES, DESIGN & DETAILING OF RC & STEEL STRUCTURES, DESIGN & DETAILING OF RC STRUCTURES, DESIGN & DETAILING OF STEEL STRUCTURES

10. Research experience : -

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
2024-25	NIL							
2023-24								
2022-23								
2021-22								
2020-21								

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	Durati on	Sanctioned Amount	Grant Receive d	PI or Co-PI
2024-25	NIL						
2023-24							
2022-23							
2021-22							
2020-21							

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
NIL						

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
2020-21	-	-	-
2019-20	-	-	-
2018-19	-	-	-
2017-18	-	-	-
2016-17	-	-	-
National Conference			
Academic Year	Title of the Conference	Venue and Date of Conference	Attended/Presented paper/ Chaired Session/ Resource Person
2024-25			
2023-24			
2022-23	-	-	-
2021-22	-	-	-
2020-21	-	-	-

Symposia/ Seminars/ Workshops						
Sl.No	Academic Year	Title	Symposia/ Seminars/ Workshops	Venue and Date	Inter national/ National/	Attended/ Presented

					State/ University Level	
1.	2024-25	NIL				
2.	2023-24					
3.	2022-23					
4.	2021-22					
5.	2020-21					

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 ye	Odd/Even Sem	Course	Short description of the Activity	Remarks
1.	2024-25	NIL			
2.	2023-24				
3.	2022-23				
4.	2021-22				
5.	2020-21				

16. Participation in curricular development:

Sl.no	Academic year	Odd/Even Sem	Course	Short Description of the Course Content
1.	2024-25	NIL		
2.	2023-24			
3.	2022-23			
4.	2021-22			
5.	2020-21			

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
6.	2024-25	NIL		
7.	2023-24			
8.	2022-23			
9.	2021-22			
10.	2020-21			

18. Examination /Evaluation reforms initiated:

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	Analysis of G+20 Horizontally connected Buildings with & without dampers.	IRJAEH	10 th Oct 2024	e-ISSN 2348-2137	peer reviewed	International
2023-24	<ul style="list-style-type: none"> Comparative Analysis of Diagrid structures under wind loading Analysis of Diagrid structures under Seismic loading 	<ul style="list-style-type: none"> TIJER TIJER 	<ul style="list-style-type: none"> Sept 2023 Sept 2023 	ISSN 2349-9249 ISSN 2349-9249	peer reviewed peer reviewed	International International
2022-23	A study on Static & Dynamic Behavior of Outrigger structural systems for different structural configurations	ZEICHEN	July 2022	ISSN 0932-4747	UGC care	International
2021-22	<ul style="list-style-type: none"> Comparative assessment of single cell railway straight & curved box girder Bridge using CSI bridge software. Retrofitting of RCC beams using single layer of wire mesh 	<ul style="list-style-type: none"> IRJMETS IRJMETS 	Nov 2021 Nov 2021	6.752 6.752	peer reviewed peer reviewed	International International
2020-21	Performance based Analysis of RC Framed structure with & without Dampers for different seismic zones	IJTSRD	Sept-Oct 2020	e-ISSN 2456-6470	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
2024-25	Analysis of G+20 Horizontally connected Buildings with & without dampers.	IRJAEH 27 th & 28 th Sept 2024	International Conference in Science, Engg & technology (ICASET) 2024 & Vidya Vihar Institute of technology, Purnea, Bihar, India & Global conference hub, Coimbatore, Tamilnadu, India	10 th Oct 2024	-	International
2023-24	nil					
2022-23						
2021-22						
2020-21						

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	NIL			
2023-24				
2022-23				
2021-22				
2020-21				

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

Academic Year	Patent Number & Date of filing	Title	National /International	Published Date	Grant Date
2024-25					
2023-24					
2022-23					
2021-22					
2020-21	NIL				

22. Consultancy services provided and revenue generated:

Academic Year	Title of the project	Name of the Principal Investigator	Date of sanction & Amount	Sponsoring Agency	Status	Remarks
2024-25						
2023-24						
2022-23						
2021-22						
2020-21						

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

i) **Organised**

Academic Year	Title of the workshop/FDP /Conference	Name of the Coordinator/s	Date	Sponsoring Agency	No. of participants
2024-25	“ Road Map to IITs and PSUs through GATE”	Mary Bhagya Jyothi J	08/11/24	-	27
2023-24	-	-	-	-	-
2022-23	-	-	-	-	-
2021-22	Rehabilitation of structures & low cost construction in Civil Engineering	Mary Bhagya Jyothi J	19/06/21	Dr.AIT	150
2020-21	Climatic Resilience & Carbon foot print mitigation	Mary Bhagya Jyothi J	28/07/20	Dr.AIT	180

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

Sl. No	Academic Year	Title	Type (National/International- Workshop/FDP /Seminar)	Dates Attended (Duration)	Organised by Department/Coll ege/University
1.	2024-25	Outcome based Education & Application of Generative AI in teaching & Research	FDP	01 week	St Marys college, Thrissur, Kerala

2.	2023-24	Recent trends in sustainable constructional technologies	FDP	01 week	AICTE-KSSEM Bengaluru
3.	2022-23	Demystifying Cloud,Containers & automation	Webinar	01 day	Botho University,Botswana
4.	2021-22	Outcome based Education & Essential AI tools for teachers	FDP	01 week	IQAC-Chaudary Charan university, Meerut
5.	2020-21	Recent Trends in in Science, Engineering & Management	Conference	02 days	Dr.AIT

24. Number of collaborations:

S. No	Industry Partner Details	Name of the expert and designation	Nature of Collaboration (e.g., Guest Lecture, Internship, MoU, Consultancy, Joint Research, Curriculum Development)	Date/Duration	Outcome/Impact	National/ International
NIL						

25. Professional Membership:

Sl. No	Name of the professional body	Fellow/Life Member
1.	The Indian Society for Technical Education	Life Member

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

Academic Year	Course Registered for	Duration	No. of Weeks	Credits	% Obtained
2024-25	Design of Reinforced Concrete structures	July-Oct 2025	12	03	Going on
2023-24	-	-	-	-	-
2022-23	Design of Steel structures	July-Oct 2022	12	03	62
2021-22	Design of Steel structures Reinforced Concrete	July-Oct 2021 Aug-Sept	12 04	03 01	53

	Bridges	2021			82
2020-21	Structural analysis-I	Sept-Dec 2020	12	03	53
	Reinforced Concrete Bridges	Sept-Oct 2020	04	01	62

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

Academic Year	Awards/Recognitions	Date and place	International/ National/ State/ University level
2024-25	NIL		
2023-24			
2022-23			
2021-22			
2020-21			

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	BOE
2	2023-24	BOE
3	2022-23	BOE & BOS
4	2021-22	-
5	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	NIL
	2023-24	
	2022-23	
	2021-22	
	2020-21	