

Faculty Profile

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

1. Name of the faculty : PURNIMA K BIRANAGI
2. Name of the Department : CIVIL ENGINEERING
3. Present position held : ASSISTANT PROFESSOR
4. Educational qualifications : M.Tech (STRUCTURES)

(Degree onwards)

Degrees	Class/ Grade	University/ Institution	Stream Regular/ Distance	Year of award
UG Degree	62	Visvesvaraya Technological University, Belgaum.	Regular	2011
PG Degree	9.21	Visvesvaraya Technological University, Belgaum.	Regular	2013
PhD				
Other/s				

5. E-mail and contact number : purnimakb.cv@drait.edu.in 9035101713
6. Date of Joining the Institute : 18/1/2016
7. Total teaching experience : (Mention in Reverse chronological order)

Year		Designation	Dr. AIT/Other Institutions	Academic-Administrative Responsibility held
From	To			
29/7/2013	6/11/2014	Assist Professor	Brindavan college of engineering, Bangalore	Subjectes, Lab, Valuations, Duties, Administrative works
18/1/2016	Till date	Assistant Professor	Dr. AIT	<ul style="list-style-type: none"> Time table coordinator CIE coordinator Lab In-Charge NCC marchpast coordinator Internship coordinator AICTE Points coordinator

				<ul style="list-style-type: none"> • Attendance condonation coordinator • BOE Member
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8. Courses taught : Elements of Civil engineering, Environmental studies, Strength of Materials, Concrete Technology, Structural Analysis-1 and Structural Analysis -II, Steel Structures, Pre-stressed concrete, Design and Drawing of RCC structures, Design and drawing of steel structures, Social connect and responsibility, Introduction to civil engineering, Universal human values.

9. Specialization : Structural Engineering

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
2024-25							
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	Duration	Sanctioned Amount	Grant Received	PI or Co-PI
2024-25							
2023-24							
2022-23							
2021-22							
2020-21							

13. Guidance / Supervision

- i) Number of students 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
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- ii) Number of students awarded MSc.(Engg) by Research: Name of the student, topic of research, date of registration, Research Centre/University, date of declaration of MSc (Engg). degree.

Sl. No	USN No.	Student Name	Research Topic	Date of Registration	Research Centre/University	Date of Declaration of MSc(Engg)

- iii) 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

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/ State/ University Level	Attended/ Presented
1.	2024-25					
2.	2023-24					
3.	2022-23	Research under the lens of NEP	Seminars	4/8/2022,Dr.AIT	University Level	Attended
4.		Effective implementation of NEP 2020 in the realm of engg collg	Webinar	5,6 th August 2022,Vardhaman coll ,Hyderabad	National level	Attended
5.		New Age Additives For Concrete And Cement	Webinar	21/10/2022, QCRETE READYMIX (INDIA) PVT LTD	National State Level	Attended
6.	2021-22	Unavowed Agenda of the Indian Constitution	Seminars	12/1/21,Dr.AIt	National State Level	Attended
7.	2020-21	Insights of national education policy	Webinar	21/5/2021,Dr.AIT	University Level	Attended
8.		Good Construction Practices	STTP	15/5/2021, Vikrant Institute of Technology and Management, Indore	National State Level	Attended
9.		Developments in Solar Dryers, Collectors and Absorber Materials	Webinar	16/7/2020,B D T College of Engineering, Davanagere	State Level	Attended
10.		Design of green campus	Webinar	25/7/2020,JSSATE,Bengaluru	University Level	Attended
11.		“PROJECT MANAGEMENT & TIMES AHEAD”	Webinar	22/7/2020,Dr.AIT	University Level	Attended
12.		Role of master plans in urban developments	Webinar	2/8/2020,Dr.AIT	University Level	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.

16. Participation in curricular development: **Industrial visits, Survey camps.**
17. Participation in co-curricular and extra-curricular activities: **Participated in Throw ball and games, NSS activities like campus cleaning, NCC activities, Participated in Marathon, Organized events in AAKAR dept fest.**
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	Investigation of electrocoagulation parameters on sewage water treatment efficiency	TIJER	FEB 2025	8.5	peer reviewed	International
2023-24	An Experimental Study on concrete by using E-Waste as partial Replacement of coarse aggregate	IJRASET	June 2024	7.5	peer reviewed	International
2022-23	Interlocking Concrete paver blocks made with Recycled Coarse Aggregate and marble powder	IJRASET	2023 July	7.5	peer reviewed	International
2021-22	Comparative study of seismic analysis on RCC and Steel-Concrete-Composite Structure with Base isolation techniques	Zeichen	JULY 2022	7.4	peer reviewed	International
2020-21						
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						
2023-24						
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				
2023-24				
2022-23				
2021-22				
2020-21				

21. Patents Applied/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					

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

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	Strategies to Enhance Industry Academia Linkages	FDP	23 rd to 27 th of September 2024	ISTE approved R M D coll of Engineering ,Pune
2.		Sustainable Environment- An Engineering Perspective	Under TEQIP,FDP	08th January - 13th January 2024	Assam Engineering College Jalukbari, Guwahati
3.	2023-24	Recent advances and research scopes in geotechnical engg	FDP	3 to 7 th June 2024	Johrat engg collg ,Assam
4.		Advances in Structural Engineering and Material Science	FDP	25th -29th June, 2024.	Jorhat Engineering College, Jorhat
5.	2022-23	The challenges and technology for women in science,Technology and engineering	FDP	17 th to 21 st oct 2022	K S S E M ,Bengaluru

6.	2021-22	Laboratory Practice on Civil Engineering Materials – Concrete	FDP	13th December to 17th December, 2021	NITTR Kolkata
7.	2020-21	Advances in Signal Processing & their Applications	FDP	27th to 31st July 2020	PES Institute of Technology and Management, Shivamogga.
8.		EMERGING TRENDS IN INFRASTRUCTURE PROJECTS	FDP	July 20th to 24th, 2020	Kakatiya Institute of Technology and Science, Warangal, Telangana

24. Number of collaborations:

25. Professional Membership: **ISTE, AMIEE**

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

Academic Year	Course Registered for	Duration	No. of Weeks	Credits	% Obtained
2024-25	NPTEL:Municipal solid waste management	Jul-oct 2004	12	4	54
2023-24	NPTEL: Research Methodology	Aug-oct 2023	8	2	64
2022-23					
2021-22					
2020-21					

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

Academic Year	Awards/Recognitions	Date and place	International/ National/ State/ University level
2024-25			
2023-24			

2022-23			
2021-22			
2020-21			