

## **Faculty Profile**

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

1. Name of the faculty : Saravanan P
2. Name of the Department : Civil Engineering
3. Present position held : Assistant Professor
4. Educational qualifications : PhD

(Degree onwards)

Degrees	Class/ Grade	University/ Institution	Stream Regular/ Distance	Year of award
UG Degree	First	Anna University/ RVSCET, Dindigul	Civil	2009
PG Degree	First	Anna University/ CEG Campus, Chennai	Hydrology and Water Resources Engineering	2014
PhD		Deemed to be University/ Kalasalingam Academy of Research and Education	Civil	2023
Other/s				

5. E-mail and contact number : saravananp.cv@drait.edu.in
6. Date of Joining the Institute : 06/08/2024
7. Total teaching experience : (Mention in Reverse chronological order)

Year		Designation	Dr. AIT/Other Institutions	Academic-Administrative Responsibility held
From	To			
06.08.2024	Til now	Assistant Professor	Dr. AIT	Teaching UG subjects, Sub sections of NBA criteria 3 in charge, APAAR Id In-charge, Member of Confidential work at Autonomous Section
27.09.2021	05.08.2024	Associate	VVIT,	Teaching UG & PG subjects,

		<b>Professor</b>	Kozhikode, Kerala	<b>PG Coordinator, Morning Test coordinator</b>
19.11.2014	10.01.2021	<b>Assistant Professor</b>	Kalasalingam Academy of Research and Education, Srivilliputtur, TN	<b>Teaching UG &amp; PG subjects, Curriculum Cell in-charge, NAAC &amp; NBA criteria work</b>
06.06.2011	31.08.2012	<b>Lecturer</b>	PSVPEC, Chennai, TN	<b>Teaching UG subjects</b>
18.11.2010	30.05.2011	<b>Lecturer</b>	BAECT GI (ARS EC), Chennai, TN	<b>Teaching UG subjects</b>

8. Courses taught : Fluid mechanics, Engineering Mechanics, Hydrology
9. Specialization : Water Resources Engineering
10. Research experience : 1 year (Water resources related)
11. Major research projects completed: Title of the project, Date of sanction and Duration, Grant received, Funding agency. PI or Co-PI.

<b>Academic Year</b>	<b>Major Project Title</b>	<b>Date of Sanction</b>	<b>Funding agency</b>	<b>Duration</b>	<b>Sanctioned Amount</b>	<b>Grant Received</b>	<b>PI or Co-PI</b>
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.

<b>Academic Year</b>	<b>Minor Project Title</b>	<b>Date of Sanction</b>	<b>Funding agency</b>	<b>Duration</b>	<b>Sanctioned Amount</b>	<b>Grant Received</b>	<b>PI or Co-PI</b>
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

- 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
2024-25	SECON'2025	Federal Institute of Science and Technology (FISAT)®, Ernakulam, Kerala, India. June 04-06, 2025	<b>Presented paper</b>
2023-24	SECON'2023	Federal Institute of Science and Technology (FISAT)®, Ernakulam, Kerala, India. June 07-09, 2023	<b>Presented paper</b>
2022-23			
2021-22	RIST 2021	ERANAD Knowledge City Technical Campus, Malappuram, Kerala, India	<b>Presented paper</b>

		19th & 20th June 2021	
2020-21			
<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			
2023-24			
2022-23			
2021-22			
2020-21			

<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					
2.	2023-24					
3.	2022-23					
4.	2021-22					
5.	2020-21					

15. Innovative processes developed in teaching and learning:

<b>S. No</b>	<b>Type</b>	<b>Title</b>	<b>Date organized</b>	<b>Organized at</b>	<b>Remarks</b>
1	Innovation in Teaching	Use of ICT in Hydrology and water resources Engineering subject	Even Sem 2024-25	Dr. AIT	All the hydrographs are plotted in MS Excel and Taught the concept interactively using excel to get clear understanding about the concept.
2	Innovation in Teaching	Class room theory session transformed as hands on session in Fluid Mechanics subject	Odd Sem 2024-25	Dr. AIT	Instead of spending time in teaching theory, the concepts are covered by problem by hands on sessions.
3	Suggestion in BOS	Inclusion of Software oriented teaching in Fluid mechanics lab	Even Sem 2024-25	Dr. AIT	It is suggested to add EPANET software for the effective understanding of Pipe network problem in the last BOS.

16. Participation in curricular development:

S. No.	Type	Title	Date organised	Organized at	Remarks
1	Extra-curricular activities	Essay competition on “Bengaluru City Environment Issues and Challenges” as a part of world environment day celebration.	05-06-2025	Dr. AIT	A seminar given on “how to save environment and live sustainably on day-to-day life as a student”.
2	Industrial visit	Visit to Srirangapatna, to offer valuable insights connected to the subject “Hydrology and Water Resources Engg”- PART I	23-05-2025	Dr. AIT	Place visited: confluence point of the river LOKABHAVANI river with the KAVERI river
3	Industrial visit	Visit to Srirangapatna, to offer valuable insights connected to the subject “Hydrology and Water Resources Engg” - PART II	16-05-2025	Dr. AIT	Place visited: Paschim Vahini weir and the alluvial canal come out from Paschim Vahini weir
4	Seminar	Career opportunities for Civil Engineers	29-03-2025	Dr. AIT	Resource person: Dr. Natarajan N, Professor, Department of Civil Engineering, Dr. Mahalingam College of Engineering and Technology, Pollachi, Tamil Nadu
5	Seminar for faculties	Building Academic Research Skills	24-05-2024	VVIT, Kerala	Resource person: Dr. Natarajan N, Professor, Department of Civil Engineering, Dr. Mahalingam College of Engineering and Technology, Pollachi, Tamil Nadu

6	seminar	The concepts and design of IDF curve in the construction of hydrologic structures	11-03- 2022	VVIT, Kerala	Resource person: Dr. Praveen Kumar Ch, Civil Engineering Department SR University
7	Seminar	Current Trend in Geopolymer concrete	10- 06- 2022	VVIT, Kerala	Resource person: Dr. A. Chithambar Ganesh, Department of Civil Engineering, Sree vidyanikethan Engineering College, AP
8	Seminar	Seismic performance and assessment of steel framed structures	27-06- 2022	VVIT, Kerala	Resource person: Dr. Muhamed Safeer Pandikkadavath, Civil Engineering Department, NIT Calicut

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

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	<i>Transforming Civil Engineering Education: A Modular and Adaptive Web-Based Learning Approach</i>	<b>Journal of Engineering Education Transformations</b>	communicated	<b>SCOPUS</b>	<b>peer reviewed</b>	<b>International</b>
2024-25	Study of climate change impact on the flash floods in	<b>Theoretical and Applied Climatology</b>	communicated	<b>SCOPUS</b>	<b>peer reviewed</b>	<b>International</b>

	Kickapoo river basin, Wisconsin, USA					
2024-25	<i>An Investigation on the Relationship between Hurst Exponent and Short-Term Memory in Rainfall Time Series</i>	<b>Journal of Engineering Education Transformations</b>	Accepted	<b>SCOPUS</b>	peer reviewed	<b>International</b>
2024-25	Impact of urbanization in the flood prediction at Kickapoo River basin, USA	<b>Environmental Research &amp; Technology</b>	Accepted	<b>SCOPUS</b>	peer reviewed	<b>International</b>
2024-25	Assessing the predictability in rainfall time series- A case study in Wisconsin basin	<b>Lecture Notes in Civil Engineering</b>	2024 (published)	<b>SCOPUS</b>	peer reviewed	<b>International</b>
2023-24	Performance Evaluation of an ANN based Bias Correction algorithm in Monthly and Daily Precipitation Time Series of La Farge Station, USA	<b>Disaster Advances</b>	2023 (published)	<b>SCOPUS</b>	peer reviewed	<b>International</b>
2022-23	Estimation of Climate Change Impact on the flood of Kickapoo River at La Farge	<b>AIP Conference Proceedings</b>	2022 (published)	<b>SCOPUS</b>	peer reviewed	<b>International</b>
2021-22	Analysis of variations in trend in novel coronavirus disease in southern tamil nadu, india	<b>International Journal of Research-Granthaalayah</b>	2021 (published)	<b>Web of Science</b>	peer reviewed	<b>International</b>

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**

<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	Career opportunities for Civil Engineers	Dr. Saravanan P	29-03-2025	College	200
2023-24	Building Academic Research Skills	Dr. Saravanan P	24-05-2024	College	100
2022-23	Current Trend in Geopolymer concrete	Dr. Saravanan P	10- 06-2022	College	50
2022-23	Seismic performance and assessment of steel framed structures	Dr. Saravanan P	27-06-2022	College	50
2021-22	The concepts and design of IDF curve in the construction of hydrologic structures	Dr. Saravanan P	11-03-2022	College	50

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

<b>Sl. No</b>	<b>Academic Year</b>	<b>Title</b>	<b>Type</b> (National/International-Workshop/FDP /Seminar)	<b>Dates Attended (Duration)</b>	<b>Organised by Department/Coll ege/University</b>
1.	2024-25				
2.	2023-24				
3.	2022-23				
4.	2021-22				
5.	2020-21				

24. Number of collaborations: 10

25. Professional Membership: life member at Indian Society of Hydraulics

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

<b>Academic Year</b>	<b>Course Registered for</b>	<b>Duration</b>	<b>No. of Weeks</b>	<b>Credits</b>	<b>% Obtained</b>
2024-25					
2023-24					
2022-23					
2021-22					
2020-21					

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

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