

# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

## Curriculum Vitae

### Brief Profile:

Dr. Laveti N V Satish is working as an Assistant Professor in the Civil Engineering Department at National Institute of Tiruchirappalli, Tamil Nadu, from March 2024. Before this, he worked as an Assistant Professor (on contract) at National Institute of Technology, Tadepalligudem, Andhra Pradesh, for 2 years. He completed his Masters and Ph.D. from Indian Institute of Technology, Guwahati. He worked as a Highway Construction Engineer with Maytas Infra Limited for three years, which he started after completing his Bachelor from Sri Venkateswara University, Tirupati, Andhra Pradesh. His research interests include surface water hydrology, groundwater modelling, river-aquifer interactions, experimental studies, water resource management, environmental flow computations, remote sensing & GIS applications in water resource engineering. He is also involved in various consultancy works and projects such as Ganga River Basin Management and Perspective Plan for the Development of the Tawang River Basin.



(Dr. Laveti N V Satish)

1. Name: Dr. Laveti N V Satish
2. Designation: Assistant Professor
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Telephone :  
Extn (Optional):  
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5. Email (Primary): [laveti@nitt.edu](mailto:laveti@nitt.edu)  
Email (Secondary): satish.laveti@gmail.com
6. Field(s) of Specialization: Water Resources Engineering and Management
7. Employment Profile

Job Title	Employer	From	To
Engineer	Maytas Infra Ltd	26-05-2008	25-09-2010
Adhoc Faculty	NIT Andhra Pradesh	11-02-2022	30-06-2022
Adhoc Faculty	NIT Andhra Pradesh	17-08-2022	30-06-2023
Adhoc Faculty	NIT Andhra Pradesh	24-07-2023	13-03-2024
Assistant Professor	NIT Tiruchirappalli	14-03-2024	Till date

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### 8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	IIT Guwahati	2020	-	Water Resources Engineering and Management
M.Tech	IIT Guwahati	2013	First Class	Water Resources Engineering and Management
B.Tech	Sri Venkateswara University	2008	First Class	Civil Engineering
Intermediate	Vidya Vikas Junior College	2003	First Class	M.P.C
S.S.C	Vidya Vikas High School	2001	First Class	General

### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2014	Received <b>Best Paper Award</b> in the International Conference on Modeling Tools for Sustainable Water Resources Management	IIT Hyderabad

### 12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

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### 13. Details of Academic Work

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels

**UG Level:** Fluid Mechanics; Engineering Hydrology; Irrigation Engineering; Environmental Science and Engineering; Building Materials and Concrete Technology; Hydraulic Engineering Laboratory; Concrete Technology Laboratory

- (iii) Projects guided at Postgraduate level
- (iv) Other contribution(s)

### 14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

### 15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

### 16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
26-29 <sup>th</sup> December, 2014	Introductory to SWAT	International workshop	Participated	Indian Institute of Technology, Hyderabad	IIT Hyderabad
3 <sup>rd</sup> April, 2015	Research Opportunities in Hydrology and Water Resources under Climate Change	National workshop	Participated	Indian Institute of Technology, Guwahati	IIT Guwahati

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9 <sup>th</sup> March, 2016	Indo-Japan Workshop for Rainfall Disaster and Human Adaptability	International workshop	Participated	Indian Institute of Technology, Guwahati	IIT Guwahati
1 <sup>st</sup> October, 2016	Advance Remote Sensing & GIS: Methods and Applications	National workshop	Participated and presented	Indian Institute of Technology, Guwahati	IIT Guwahati
8-9 <sup>th</sup> January, 2018	SWAT-MODFLOW	International workshop	Participated	Indian Institute of Technology Madras	IIT Madras

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Faculty Development Programme	National	16-20 <sup>th</sup> May 2022	Coordinator	NIT Andhra Pradesh

18. Invited Talks delivered

Topic	Date	Inviting Organization
Introduction to Hydrological Modelling	10-14 <sup>th</sup> June, 2024	NIT Bhopal

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date

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20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Laveti, N.V.S., Banerjee, A., Kartha, S.A. and Dutta, S.	Anthropogenic Influence on Monthly Groundwater Utilization in an Irrigation Dominated Ganga River Sub-Basin	Journal of Hydrology	593	p.125800	2021(a)	6.4
Laveti, N.V.S., Banerjee, A., Kartha, S.A. and Dutta, S	Impact of anthropogenic activities on river-aquifer exchange flux in an irrigation dominated Ganga river sub-basin	Journal of Hydrology	602	p.126811	2021(b)	6.4

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Satish L.N.V and Dutta, S.	Environmental Flow Computation in the Ganga River Basin using SWAT Modeling and Time Series Analysis	International Conference on Modeling Tools for Sustainable Water Resources Management	pp 48	Surface water and Groundwater Modelling	Indian Institute of Technology Hyderabad	2014

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Satish L.N.V and Dutta, S.	Effect of Groundwater usage on Stream Health of Kosi River, India.	International Conference on the Water Crisis in the Asia-Pacific Region	pp19-20	-	Kagawa University, Kagawa, Japan	2015
Satish L.N.V and Dutta, S	Effects of Landuse/landcover Changes on Surface Water and Groundwater Interactions in Kosi River Basin, India	International Conference of 14th Annual meeting of Asia Oceania Geosciences Society	pp.354	Impacts and Consequences of Changing Climate and Landuse on Hydrology	Singapore	2017
Satish L.N.V., Dutta, S., Kartha S.A.	Surface Water and Groundwater Interactions in Kosi River Basin using Surface and Subsurface Hydrological Modelling	International Conference on SWAT 2018	pp.18	Large Scale Applications	Indian Institute of Technology Madras	2018
Laveti, N. V. S., Kartha, S. A., and Dutta, S.	Investigating of River-Aquifer Interactions using Sub-Surface Hydrological Model and Remote Sensing Inputs in an agriculturally Dominated Kosi River Basin, India.	EGU General Assembly 2021	-	Hydrological Sciences	Online	2021

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number