

KLE Institute of Technology, Hubballi 580 027
Faculty Profile



Name: Dr. Rajashekhar S. Laddimath

1. Educational, professional qualifications, and trainings					
1.1. Educational Qualification					
S.N.	Degree	College	Discipline	Year of Passing	Class obtained
a)	Ph.D.	VISVESVARAYYA TECHNOLOGICAL UNIVERSITY (VTU) BELAGAVI(BELGAUM), KARNATAKA	CIVIL ENGINEERING	2021	---
b)	M.Tech.	DEPT. OF PG STUDIES, VISVESVARAYYA TECHNOLOGICAL UNIVERSITY (VTU) BELAGAVI(BELGAUM), KARNATAKA	WATER & LAND MANAGEMENT	2015	FCD
c)	B.E.	U.B .D. T COLLEGE OF ENGINEERING, DAVANGERE, KUVEMPU UNIVERSITY, KARNATAKA	CIVIL ENGINEERING	2008	FCD
1.2. Training programmes attended					
S.N.	Subject Area of Training		Organization	Place	Period / Duration
a)	Autodesk ALP India Summit 2024		Autodesk	Hyderabad	2 Days March, 18 & 19, 2024
b)	Research in Engineering Education Symposium(REES) - 2024		KLE Tech. University Hubballi	Hubballi	3 Days January, 4 to 6, 2024
c)	Workshop on Computational & Applied Mathematics,		IIT Tirupati.	Tirupati	2 Days April 14 & 15, 2023
d)	FDP on "Innovations in Urban Farming		National Institute of Agricultural Extension Management (MANAGE),	Virtual Mode	5 Days December

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		Hyderabad, in collaboration with University of Horticultural Sciences, Bagalkot,		5-9, 2022
e)	Workshop on Appropriate Technology for Rural India	Visvesvarayya Technological University	Belagavi	2 Days 6 & 7 Sept 2022
f)	FDP on “An Overview of Teaching Techniques in Innovation & Design Thinking”	AICTE – VTU Joint Training Programme for Teachers	Belagavi (Virtual)	5 Days 6/12/2021 to 10/12/2021
g)	AICTE Training And Learning (ATAL) Academy Online FDP on "Remote Sensing and GIS	KLS Gogte Institute of Technology,	Belagavi (Virtual)	5 Days 13/09/2021 to 17/09/2021
h)	FDP on “Recent Trends and Advances of Thrust areas of Research in Civil Engineering	REVA University	Bengaluru (Virtual)	5 Days 01 to 05 Mar 2021
i)	FDP on "NBA- Objectives, Parameters & Process	REVA University	Bengaluru (Virtual)	5 Days 09 to 13 Feb 2021
j)	International workshop “The Joy, Opportunities and Challenges in Field Hydrological Research”	Jointly organised by NIE Mysore and IIT Guwahati	(Virtual)	5 Days 2-6 Nov 2020
k)	AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence	Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi).	IIIT-Delhi (Virtual)	08-06-2020 to 12-06- 2020
l)	Hands-on workshop on MATLAB & Simulink Tool Boxes application	REVA University	Bengaluru	1 Day 2019
m)	Workshop on Intellectual Property Rights(IPR)	REVA University	Bengaluru	1 Days 2018
n)	Hands-on workshop on Machine Learning with Tensor Flow	REVA University	Bengaluru	2 Days 2018
o)	Advanced certification Program on plumbing and irrigation systems by Vedanta Irrigation System Pvt.Ltd	REVA University	Bengaluru	45 hours 2017
p)	NRDMS-DST sponsored 3 days National Level workshop on “Geospatial Technology”(Essential Workflows of QGIS)	Center for PG studies Dept.of Water & Land Management	VTU Belagavi	3 Days 2017
q)	Workshop on “REPAIR AND MAINTENANCE OF BUILDINGS”	Jain College of Engineering Belagavi, in collaboration with NITTR, Chandigarh and State Project	Belagavi	5 Days 2016

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		Facilitation Unit Karnataka.		
r)	Certification in Remote Sensing & GIS by Indian Institute of Remote Sensing (Outreach program)	Dept of PG studies, Visvesvarayya Technological University	VTU Belagavi.	40 hours 2015
s)	Workshop on “Geospatial Technology for Planning & Management”	Dept of PG studies, Visvesvarayya Technological University Belagavi., sponsored by VTU & KSCST.	VTU Belagavi	One week 2014
t)	One day Faculty Development Program on “Irrigation Design and Drawing”	ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE	Bengaluru	1 day 2014
u)	Engineering mechanics organized by IIT Bombay	Dr.M S S KLE College of Engineering & Technology, Belagavi	Belagavi	One week 2014
1.3.	Membership of National and International Professional Bodies/Organisations			
S.N.	Name of Professional Body/Organization	Place	Membership Category	
a)	Indian Concrete Institute (ICI)	ICI Hubli Dharwad Centre	ICI life membership (14713)	
b)	The International Water Association (IWA)	London, United Kingdom	Life Member (1626581)	
c)	Irrigation Association (IA)	Falls Church, Virginia, United States	Life Member (241745)	
1.4.	Technical Papers/Books Published in National / International Events / Journals			
	<u>Scopus /SCIE/ Web of Science Indexed</u>			
	<ol style="list-style-type: none"> Nagendra Reddy, Nagraj S Patil, Rajasheshkar S Laddimath. (2022-Pre-prints) Climate Change Impact Assessment on the Precipitation over the Ghataprabha Sub-Basin, India under Future Climate Change Scenarios. https://www.researchsquare.com/article/rs-890363/v1 Laddimath, R. S., Patil, N. S., Rao, P. S., & Nagendra. (2021). Assessing the impacts of climate change on drought-prone regions in Bhima sub-basin (India) using the Standard Precipitation Index. In Journal of Water and Climate Change. IWA Publishing. https://doi.org/10.2166/wcc.2021.195 Laddimath, R.S. & Patil, N.S. (2019). Artificial Neural Network Technique for Statistical Downscaling of Global Climate Model. MAPAN. Springer India https://doi.org/10.1007/s12647-018-00299-0 Rajasheshkar S. Laddimath, Nagraj S. Patil and Nagendra(2020). Assessment of Future Meteorological Drought in Bhima basin based on CMIP5 Multi-model Projections, International Journal of Future Generation Communication and Networking Vol. 13, No. 4, , pp. 2903–2911. https://sersc.org/journals/index.php/IJFGCN/article/view/34240 Nagraj S. Patil, Nagendra, Rajasheshkar S. Laddimath and Soumya S. Bankapur (2020). Role of Predictors in Statistical Downscaling of Surface Temperature for Malaprabha Basin, International Journal of Future Generation Communication and Networking Vol. 13, No. 4, pp. 2912–2924. 			

<https://serisc.org/journals/index.php/IJFGCN/article/view/34241>

6. Nagendra , Nagraj S. Patil and **Rajashekhar S. Laddimath**, (2021). Assessment of Climate Extremes over the Ghataprabha Subbasin of Krishna Basin, India. Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 6, June 2021: 1547-1555. <https://tojqi.net/index.php/journal/article/view/1397/702>
7. **Rajashekhar S. Laddimath**, Nagraj S. Patil and Nataraj M (2019). "Role of climate variables for statistical downscaling of general circulation model outputs to precipitation". Water and Energy International(Central Board of Irrigation and Power), ISSN: 0974-4711, Volume 52/RNI,No 1
8. Nagraj S.Patil, **Rajashekhar S. Laddimath**, Pooja, SatishHooli. (2015), Downscaling of Precipitation Data from GCM outputs using Artificial Neural Network for Bhima basin, International Journal of Applied Environmental Sciences, ISSN 0973-6077, Volume 10, pp.1493-1508.(SCOPUS Indexed till 2015)

UGC CARE Indexed

9. **Rajashekhar S.Laddimath**, Nagraj S. Patil, Nataraj M. (2019). Historical Trend Analysis of Climate Variables using Mann-Kendal Trend Test to Assess the Local Climate Change over Bhima Basin. 2010-2018 S-JPSET : Vol. 10, Issue Supplementary, ISSN : 2229-7111 (Print) and ISSN : 2454-5767 (Online). 10.18090/samriddhi.v11iSUP-1.17383
10. **Rajashekhar S. Laddimath**, Ajaybhaskar V. Reddy, K. Raghupathi (2019). Geomatic Approach to Assess the Flash Floods using Land Use Land Cover Maps–A case study of Kodagu district. 2010-2018 S-JPSET : Vol. 10, Issue Supplementary, ISSN : 2229-7111 (Print) and ISSN : 2454-5767 (Online). DOI: 10.18090/samriddhi.v11iSUP-1.17379
11. M. Sreenivasulu Reddy, **Rajashekhar S.L.** and Y.Ramalinga Reddy(2018), "A Review on Performance Evaluation of Plastic mulch & Drip Irrigation in Tomato plant cultivation in Mulakalacheruvu Mandal, Chittoor District, Andhra Pradesh- A case study". International Journal of Applied Engineering Research. ISSN 0973-4562 Volume 13, Number 7 (2018) pp. 224-228
12. **Rajashekhar S.L** and Aghil (2018), "Estimation of Runoff using SCS-CN Method for Yelahanka Region". International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 7 (2018) pp. 229-233

Google Scholar Indexed

13. **Rajashekhar S. Laddimath**, Shwetha Y. R., Bhooshi Mahathi , Sanjeevaraddi, Roshni Gangopadhyay, Sangamesh (2021). IoT based flood detection and suitable evacuation during pandemic. Special Issue on "Engineering Technologies and Management ", Pages: 2317-2321. ISSN(e):2319-4979
14. **Rajashekhar S. Laddimath**, Shashank Vanakudari.(2017) Design of Drainage Network for Bhagyanage Area,Belagavi City using SWMM, International Journal of Engineering Research in Mechanical and Civil Engineering, special Issue February 2017.
15. **Rajashekhar S. Laddimath**, Shashank Vanakudari.(2016),Sustainable Development of Storm Water Management using SWMM for Bhagyanagar, Belagavi, International Journal for Innovative Research in Science & Technology, ISSN (online): 2349-6010, Volume 3 , Issue 02.

Book chapters:

1. Patil N.S., **Laddimath R.S.** (2021) Regional Assessment of Impacts of Climate Change: A Statistical Downscaling Approach. In: Islam M.N., van Amstel A. (eds) India: Climate

Change Impacts, Mitigation and Adaptation in Developing Countries. Springer Climate. Springer, Cham. https://doi.org/10.1007/978-3-030-67865-4_2 (ISBN: 978-3-030-67979-8, 332440_1-“Springer Publication Book).

Conferences:

1. **Rajashekhar S. Laddimath** and Sandesh Huggi (2023, October 8-9) “Smart Agriculture: Low Cost Hydroponic System Using Kitchen Waste” 38th National convention of civil engineers on the theme “Water Management For Sustainability Using Emerging Technology”
2. **Rajashekhar S.Laddimath** and D.R.Kulkarni (2023, January 24-25) “Effects of Climate Change on Water Budgeting of Shirur Village In Upper Bennihalla Basin and Proposed Mitigation Techniques” International conference on Impacts of Climate Change on Water Management (ICWMCC) 2023, WALMI-Dharwad, India.
3. **Rajashekhar S.Laddimath**, Shwetha Y. R., Bhooshi Mahathi, Sanjeevaraddi, Roshni Gangopadhyay and Sangamesh (2021). IoT based flood detection and suitable evacuation during pandemic. 5th International Conference on Advanced Research in Civil Engineering (ICARCE - 2021) 9th and 10th July 2021, School of Civil Engineering, REVA University, Bengaluru, India.
4. **Rajashekhar S.Laddimath**, Nagraj S. Patil and Nagendra (2020). Assessment of Future Meteorological Drought in Bhima basin based on CMIP5 Multi-model Projections. 4th International Conference on Advanced Research in Civil Engineering (ICARCE - 2020) 10th and 11th July 2020, School of Civil Engineering, REVA University, Bengaluru, India.
5. **Rajashekhar S.Laddimath**, Nagraj S. Patil and Nataraj M (2019). Historical Trend Analysis of Climate Variables using Mann-Kendal Trend Test to Assess the Local Climate Change over Bhima Basin. 3rd International Conference on Recent Research Emerging Trends in Civil Engineering-2019 (ICRRETCE-2019) 12th and 13th July 2019, School of Civil Engineering, REVA University, Bengaluru, India
6. M. Sreenivasulu Reddy, **Rajashekhar S.L** , Y.Ramalinga Reddy, A review on Economic upliftment of Tomato cultivating farmers using Drip Irrigation. (2018). Conference on “NEXT FRONTIERS IN CIVIL ENGINEERING” Sustainable and Resilient Infrastructure ,IIT Bombay, Mumbai.
7. **Rajashekhar S.L.**, Mallikarjun N.H. , Manoj H.E, Mohan H.G, “A review of empirical methods for estimating Surface runoff for Yelahanka region- A case study.”(2018), International Conference on Recent Research Emerging Trends in Mechanical & Civil Engineering at REVA University. (Preceding published in University magazine).
8. M. Sreenivasulu Reddy, **Rajashekhar S.L** , Y.Ramalinga Reddy, ‘A review on performance evaluation of Plastic mulch & Drip Irrigation in Tomato plant cultivation in Malkalchargu Mandal, Chittor District, Andhra Pradesh- A case study”. (2018), International Conference on Recent Research Emerging Trends in Mechanical & Civil Engineering at REVA University. (Preceding published in University magazine).
9. **Rajashekhar S. Laddimath**, Nagraj S. Patil, “Statistical Downscaling of Precipitation Data using Artificial Neural Network”(2016), International Conference & Exhibition on Best Practices for “Sustainable Water, Waste Water & Energy Managemnet-SWWEM-2016” at J N Tata Auditorium IISc, Bangalore, India.
10. **Rajashekhar S. Laddimath**, Nagraj S. Patil, “Sensitivity analysis of predictors for Statistical Downscaling of General Circulation Models” (2016), National Conference on “ Make in India-An opportunity for Emerging Engineering Technologies”.

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	<p><u>Patents (IPR) Published:</u></p> <p>1. <u>Title:</u> "IoT based flood detection and suitable evacuation during pandemic" <u>Application number:</u> 202141026539 A, Published on 02-July-2021</p> <p>2. <u>Title:</u> " Performance evaluation of fabricated Venturi injector for optimizing the water use and fertigation efficiency through micro-irrigation" <u>Application number:</u> 202141030800 A, Published on 16-July-2021</p>									
1.5.	Language skills (ability to)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Speak:</th> <th style="width: 50%;">Read / Write</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Kannada</td> <td style="text-align: center;">Kannada</td> </tr> <tr> <td style="text-align: center;">Hindi</td> <td style="text-align: center;">Hindi</td> </tr> <tr> <td style="text-align: center;">English</td> <td style="text-align: center;">English</td> </tr> </tbody> </table>	Speak:	Read / Write	Kannada	Kannada	Hindi	Hindi	English	English
Speak:	Read / Write									
Kannada	Kannada									
Hindi	Hindi									
English	English									
2.	Employment Information and Professional Experience till date									
2.1.	Employment Information									
a)	Job title	Associate Professor and Head of Department, Civil Engineering								
	Employer	KLE Institute of Technology, Hubballi-580027								
	Dates (from – to)	01-Oct-2021 to present date								
	Responsibilities	Lead department, mentor faculty, manage operations, teach, research, and supervise students. Collaborate with industry, uphold accreditation standards, and engage in community outreach. Represent department at institute meetings.								
b)	Job title	Assistant Professor								
	Employer	School of Civil Engineering, REVA University Bengaluru-560064								
	Dates (from – to)	14-July-2017 to 30-Sept-2021								
	Responsibilities	Academics Operations, Training & Placement, Clubs/Forums and Alumni Cell								
c)	Job title	Assistant Professor								
	Employer	JAIN COLLEGE OF ENGINEERING, BELGAUM-590014								
	Dates (from – to)	27-July-2013 to 30-June-2017								
	Responsibilities	Academics, Examination and Placement Activities								
d)	Job title	Lecturer								
	Employer	SHAIKH COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM-591156								
	Dates (from – to)	12-Sept-2011 to 25-July-2013								
	Responsibilities	Academics, Examination and Placement Activities								
e)	Job title	Block Engineer								
	Employer	Sarva Shikshan Abhiyan (S.S.A) DDPI Office, Belgaum								
	Dates (from – to)	May 2011 To Sept 2011								
	Responsibilities	Inspect project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards								
f)	Job title	Civil Engineer								
	Employer	Shree Renuka Sugars Ltd., Belgaum								
	Dates (from – to)	01-April 2010 to 14-April 2011								
	Responsibilities	Quality Control & Quality Assurance of project and to conduct								

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		project progress meeting with the Architect & Contractor and prepare project summery.
g)	Job title	Civil Engineer(Quality Control)
	Employer	B.L.Kashyap & Sons Ltd. Bangalore
	Dates (from – to)	04-Aug-2008 to 23-Mar-2010
	Responsibilities	Internal Audit & Compliance-ISO 9008-QMS and Inspect project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.
2.2.	Public Service & Volunteer Work	
a)	Served as a member of the Jury Committee for the prestigious ICI-UltraTech Awards in 2023.	
b)	Resource Person for 30 days compulsory “Basic Induction Training on Irrigation Water Management to Newly Recruited Engineers in the Water Resource Department” at WALMI Dharwad	
c)	Invited Technical Talk (Virtual) on “Mathematical modelling for downscaling of GCMs” held on Tuesday, 29-Dec-2020 organized by Dept. of PG Studies, Visvesvarayya Technological University (VTU) Belagavi, Karnataka	
d)	Engaged in farmer’s training program on micro-irrigation under the Scheme Pradhan Mantri Krishi Sinchai Yojana(PMKSJ) with the theme ‘Per drop –more crop’, ‘Jal Sanchay’ and ‘Jal Sinchan’	
e)	Reviewer for i) Materials Today: Proceedings (Elsevier) & ii) Nature Environment and Pollution Technology (Scopus)	
f)	Examiner, paper setter and evaluator for various undergraduate, post graduate studies at various universities, autonomous institutes and Public sector	
2.3.	Other professional achievements such as any awards, special skills, etc.	
a)	Successfully led the design efforts for the construction of a Rock Fill Bund on the Upstream of Unkal Lake Hubballi-Project under Hubballi Dharwad Smart City Limited , enhancing resilience and sustainability while meeting project goals and stakeholder expectations.	
b)	Best Oral presentation WALMI Conference 2023: “Effects of Climate Change on Water Budgeting of Shirur Village In Upper Bennihalla Basin and Proposed Mitigation Techniques” International conference on Impacts of Climate Change on Water Management (ICWMCC) 2023, WALMI-Dharwad, India. has WON FIRST PRIZE	
c)	PANELIST for the International conference on Impacts of Climate Change on Water Management (ICWMCC) 2023at WALMI Dharwad spoke about key part of COP27: Carbon & Water Footprint.	
d)	Best Researcher Award 2021 by Novel Research Academy an autonomous research institute functioning through a division of New Swertia Publications and is a registered enterprise under the Government of India under the Ministry of MSME, Government of India, Registered UA No: PY03D0003488. UDYAM REGD.NO.: PY-03-0003542	
e)	Best Teacher Award for the year 2020 for overall excellence in teaching and institutional activities by REVA University Bengaluru.	
f)	Best project at DBIT TEXPO-2021: B.Tech. project presentation titled "IoT based flood detection and suitable evacuation during pandemic" guided by Dr. Rajashekhar S.	

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	Laddimath, secured first place in DBIT TEXPO-2021 organised by Dept. of R&D, DBIT-KSCST IP CellDon Bosco Institute of Technology Bengaluru on 04 August 2021.	
3.	Any other information	
3.1.	Strengths	Strong Communicator, Commitment to Vision, Contemporary skills and Adaptive nature
4.	General information	
4.1.	Name	Dr. Rajashekhar S. Laddimath
4.2.	Gender	Male
4.3.	Nationality	Indian
4.4.	Date of birth	01 st August 1986
4.5.	Contact address	Dept. of Civil Engineering, KLEIT, Hubballi-580027
4.6.	Phone / mobile number	+91-9535164977
4.7.	Email	rajashekhar.sl@kleit.ac.in ; rajashekhar.sl@gmail.com