

FACULTY PROFILE

VTU FACULTY ID:

Dr. P. Shiva Keshava Kumar B.E , M.Tech, Ph.D

Professor and Head

Department of Civil Engineering

PDIT, Hosapete



Objective

To leverage my knowledge and skills in civil engineering and contribute to the growth of the institution. I aim to grow professionally while enhancing the educational environment for students.

Educational Qualifications

1	Ph.D in Civil Engineering from Kevempu University, May 2013
2	Master of Technology in Environmental Engineering in First Class with Distinction from Visveswaraya Technological University, Belgaum in 2002. From K.L.E.S's College of Engineering & Technology, Belgaum
3	Bachelor of Engineering in Civil with First Class from Karnataka University Dharwad. In 2000.From B.V.B College of Engg & Tech, Hubli.

Professional Details

Total experience: 24 + years (Teaching:21 and Industry: 03)

1. Working as Professor and Head of of Civil Engg Department , Proudadevaraya Institute of Technology, Hospete, Karnataka., With additional Charge as Dean Academics

2. Worked as Professor and Head of Civil Engg Department, in Jain Institute of Technology, Davangere from Dec 2014 to 14 th of August 2018

3. Worked as Associate professor in K.L.S, Gogte Institute of Technology, Belgaum from September 2013 to Nov 2014

4. Worked as Assistant Professor in S.T.J.Institute of Technology, Ranebennur, since December 2011 to August 2013

5. Worked as Lecturer in S.T.J. Institute of Technology, Ranebennur, since August2004 to November 2011

6. Worked as Project Engineer for Patil constructions from March 2002 - August 2004

7. As an engineer for Reliance construction co from Sept 1999 to Oct 2000. The Company was involved in Construction of 500 independent residential units, commercial complexes and Sana Educational institutions in Hubli

Subjects Handled

At Masters Level	At Graduation Level
<ol style="list-style-type: none"> 1. Energy and Environment. 2. Operation and Maintenance of Environmental Facilities 3. Atmospheric Environmental Pollution and control 4. Waste water Treatment engineering. 5. Occupational safety and Environment 	<ol style="list-style-type: none"> 1. Water supply and treatment & Sewage Disposal Engineering. 2. Industrial waste water treatment & Surveying I and II. 3. Management and Entrepreneurship & Surveying Practice I. 4. Surveying Practice II. 5. Environmental studies 6. Water and Wastewater analyses (practice)

Academic Projects Undertaken

1. Principal Investigator for the Project titled “Advances in Geosynthetics Technologies for Soil Reinforcement and Remediation”, from 31/03/2023 to 05/05/2025 at a Grant of Rs. 305000 at PDIT, Hosapete.
2. Principal Investigator for the Project titled “Eco Concrete a Sustainable Solution”, from 14/02/2022 to 06/02/2024 at a Grant of Rs. 315000 at PDIT, Hosapete.

Academic / Research Publications

1	Estimation of Root zone salinity using SALTMOD – a case study by Poornima K. B, Dr.P.ShivaKeshava Kumar, Dr.N.Varadarajan and Dr.B.K.Purandara. International Journal of Advanced Research (2014), Volume 2, Issue 9, 858-870, ISSN 2320-5407
2	Transformation Of Zidovudine During Water Treatment With Chlorine: A Kinetic Study BY Puneeth Kumar, P. Shiva Keshava Kumar, International journal of Engineering Research, Vol.2., Issue.4, 2014 ,ISSN: 2321-7758
3	Fate of Zidovudine through Water Treatment with Chlorine: A Kinetic Study by Puneeth Kumar, P. Shiva Keshava Kumar and Raviraj M. Kulkarni, International Research Journal of Environment Sciences, ISSN 2319–1414, Vol. 3(9), 1-5, September (2014)
4	Degradation of Methyl Orange Using Photo Catalyst (Zno) and Doped Cu, Nano Particles By Advanced Oxidation Process: by Manu S Gowda, Shiva Keshava Kumar P. International Journal of Current Research, Vol. 6, Issue, 08, pp.8089-8094, August, 2014, ISSN: 0975-833X
5.	Photo Catalytic Deprivation to Methylene Blue via ZnO Nano Particles by Advanced Oxidation Process by Manu S Gowda, P.ShivaKeshavaKumar and Raviraj M. Kulkarni , International journal of Engineering Research, Vol.2., Issue.4, 2014 ,ISSN: 2321-7758

6	Study of Seasonal Variation in Lake Water Quality of Byadagi Talukaby P. Shiva Keshava Kumar, K. Manjunatha and N. T. Manjunath International Journal of Scientific and Research Publications, Volume 3, Issue 9, September 2013, ISSN 2250, www.ijsrp.org
7	COD Removal Efficiency Studies of Dairy Industrial Waste by Attached Growth Process by Dr. P. Shivakeshava Kumar and Nitin A D, in the All India Conference on Waste Management & Pollution Control (WMPC-2014) 7-8, March 2014.
8	Domestic Wastewater Treatment by Soil Aquifer Treatment Using Corn cobs. International Journal of Science, Engineering and Technology Research (IJSETR), Volume 4, Issue 7, July 2015
9	Bio-Medical Waste Management in Davanagere City, International Journal of Civil and Structural Engineering Research ISSN 2348 -7607, Vol. 3, Issue 1, pp: (255-260), Month: April 2015 – September, 2015,
10	Effect of Orange Peels Adsorbent on the Performance of Soil Aquifer Treatment (SAT), International Journal of Innovative Research in Science, Engineering and Technology, Vol. 4, Issue 7, July 2015,
11	Proposed Wastewater Treatment Plant Design of Harihar City, International Journal of Engineering Research & Technology, www.ijert.org Volume/Issue: Vol. 3 – Issue 9.
12	Bench Scale Treatability Studies of Wastewater by Soil Aquifer Treatment, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 4, Issue 6, June 2015.
13	Bio-Medical Wastes Management in Davanagere City, IJCSER, (Vol. 3, Issue 1, pp: 255-260) ISSN 2348-7607 (Online) 2015
14	Comparative Evaluation of Removal of Fast Green and Reactive Orange by Low-Cost Adsorbent IJSART - Volume 2 Issue 9 – SEPTEMBER 2016.
15	Impact of Iron and Steel Industry on Ground Water Quality of Tungabhadra River Water in Bellary District (India) ISSN: 2454-132X Impact factor: 4.295, 2017.
16	Assessment of Reaeration Equations for River Tungabhadra, Karnataka, India and Generation of the Refined Equation, 21(4): 1-9, 2019; Article no. JGEEESI.49251 ISSN: 2454-7352.
17	Utilization of Water Quality Modeling and Dissolved Oxygen Control in River Tungabhadra, Karnataka (India), 2019, Volume 6, e5397 ISSN Online: 2333-9721 ISSN Print: 2333-9705.

18	Water Quality Evaluation in Term of WQI River Tungabhadra, Karnataka, India. International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue- 9S2, July 2019.
19	Water quality model for Streams : A Review, Journal of Environmental Protection ISSN: 2152-22, 2019.
20	Evaluation on Sustainibility of available Reareation Equations for river Tungabhadra, Karnataka and india and Derivation of Refined Equation for the same, International Journal of Scientific and Technology Research volume 8,ISSN 2277-8616, 2019.
21	Bio gas production From Kitchen Waste,IRJET Volume 7, ISSN 2395-0056, 2020
22	Bio gas production From Kitchen Waste : Case study, IJRSET Volume 9 ISSN 2395-0056,2020.
23	Treatment of waste water by Soil Aquifer, IJRSET Volume 9, Issue 8, ISSN-2320-6710, 2020.
24	Treatment of Dairy waste water using Natural Adsorbents, IJRSET Volume 9, Issue 8, ISSN-2319-8753, 2020.
25	Treatment of Dairy waste water using Orange Peels Powder as a low Cost Adsorbent, IJRSET Volume 9, Issue 8, ISSN-2319-8753, 2020.
26	Textile Waste water Treatment by soil Aquifer Treatment (SAT) System Using Natural Adsorbent, IJRSET Volume 9, Issue 8, ISSN-2320-6710, 2020.
27	Removal of Heavey Metal by soil Aquifer treatment system in conjuction with natural Adsorbent, IRJMETS Volume 02, ISSN-2582-5208, 2020.
28	Textile Waste water Treatment by soil Aquifer Treatment (SAT) System Using Guava Leaf Powder Adsorbent,IRJET Volume 7, ISSN 2395-0056, 2020.
29	Study on quality analysis of Sewage water for southern Zone of Davanagere City, IRJET Volume 7, ISSN 2395-0056, 2020.
30	To study on Quality Analysis of Sewage Water in Northen Zone of Davanagere City, IJRSET Volume 9, Issue 8, ISSN 2319-8753, 2020.
31	Study on quality analysis of Sewage water for southern Zone of Davanagere City,IJRSET Volume 9, Issue 8, ISSN 2320-6710, 2020.
32	To study on Quality Analysis of Sewage Water in Northen Zone of Davanagere City,IRJET Volume 7, ISSN 2395-0056, 2020.
33	Analynsis and Design of High-Rise Building Frames Using, Basavaraj R Rajini UmaphathiDr. P Shiva Keshava Kumar International Journal of Applied Science Engineering and Management Volume 15 ISSN 2454-9953, 2021

34	Analysis and Design of Multi Storied Building for Vertical and Horizontal Dr. P Shiva Keshava Kumar, Rajini Umapathi , Basavaraj R International Journal of Applied Science Engineering and Management Volume 15 ISSN 2454-9953, 2021
35	Rain Water Harvesting for University B. D. T College of Engineering, Davanagere, D P Nagarajappa, Pooja N V, Pruthviraj S R, Shivakeshavakumar P, Journal of Emerging Technologies and Innovative Research, Volume 9, ISSN 2349-5162, 2022
36	Water Conservation Strategy and its Enhancement Technique in Recharging Rain Water Along with Its Utilization for University B D T College of Engineering, Davanagere, Pooja N V, Nagarajappa D P, Pruthviraj S R, Shivakeshavakumar P, International Journal of Advances in Engineering and Management, Volume 4, ISSN 2395-5252, 2022
37	Impact of Post-Cyclic Loading on Peat Soil's Shear Stress and Cyclic Shear Strain, Dr. P Shiva Keshava Kumar, Anil Kumar G M, Gangadhar Hugar, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2022
38	Earthquake Resistant Design of Open Ground Storey Building Dr. P Shiva Keshava Kumar, Gangadhar Hugar, Anil Kumar G M, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2022
39	An Evaluation of The Effect of Fibber Orientation on The Load Resistance of SFRC Anchors Using A Hybrid Approach, Dr. P Shiva Keshava Kumar, Gangadhar Hugar, Anil Kumar G M, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2022
40	A Critical Assessment of the Use of Recycled Materials in High-Performance Concrete Dr. P Shiva Keshava Kumar , Gangadhar Hugar, Anil Kumar G M, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2022
41	The Effects of In-Situ Quality Management on the Seismic Performance of Reinforced Concrete Structures, Dr. P Shiva Keshava Kumar, Anil Kumar G M, Gangadhar Hugar, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2023
42	Railway Track Irregularities Experimental Measurements and Simulations, Dr. P Shiva Keshava Kumar, Anil Kumar G M, Gangadhar Hugar, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2023
43	Novel Viewpoints on Carbon Reinforced Concrete Structures: The Need for Novel Approaches to The Construction of Composites, Concrete Dr. P Shiva Keshava Kumar ,

	Gangadhar Hugar, Anil Kumar G M, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2023
44	Materials Such as Prestressed Concrete, Free-Form Reinforced Concrete, And Composites Determination of Cross-Sectional Measurements, Gangadhar Hugar, Dr. P Shiva Keshava Kumar, Anil Kumar G M, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2023
45	Improving the Mechanical Strength, Stability, And Microstructure of Artificially Cemented Soil by The Use of The Porosity-To-Cement Index, Dr. P Shiva Keshava Kumar, Anil Kumar G M, Rajini Umapathi, International Journal of Mathematical, Modelling, Simulations and Applications, Volume 14, ISSN 0973-8363, 2023

Book Publications

1	Transportation Engineering, by Dr. P Shiva Keshava Kumar Prof. Anil Kumar G M
2	Structural Engineering by Prof. Gangadhar Hugar, Dr. P Shiva Keshava Kumar
3	Soil Dynamics by Dr. P Shiva Keshava Kumar
4	Engineers Doing Surveys by Dr. P Shiva Keshava Kumar, Prof. Gangadhar Hugar, Prof. Basavaraj R
5	Geotechnical Engineering by Dr. P Shiva Keshava Kumar, Prof. Gangadhar Hugar

Faculty Development Programmes / Training / Workshop / Summer / Winter schools Attended

Name of Seminars, Conferences, Symposia, workshops etc attended`	Name of Sponsoring Agency	Place & Date
1. Hazardous materials management	S J C E Mysore, Two days workshop	S J C E Mysore 25/10/2016 to 27/10/2016
2. Two days workshop on NBA process	J S S A T E , Bangalore, Two days workshop	J S S A T E , Bangalore 26/08/2016 and 27/08/2016
3. SPSS Hands on training	MHRD, University of Madras , One week workshop	University of Madras, 20/06/2016 to 25/06/2016
4. Applications of Remote sensing and GIS in Civil Engineering.	Venkateswara College of Engineering, Bangalore, Two days workshop	V C E Bangalore, 01/05/2016 to 02/05/2016
5. FEEL Teacher, Learning and Development Intervention	Jain Inst of Tech, Dvg Three Days FDP,	Jain Inst of Tech ,Davangere 29/03/2016 to 31/03/2016

6. Modern Approaches of Effective management of Municipal Solid Waste	ISTE, KSPCB,IEI, One Day workshop	BIT, Davangere 14-11-2015
7. Geospatial Technology for Planning and Management.	KSCST, <i>One week</i> workshop	V.T.U , Belgaum 16/09/2014 to 20/09/2014
8. Faculty Orientation programme	KLS GIT Belgaum, Three days workshop	GIT, Belgaum 21/07/2014 to 23/07/2014
9. STTP on Environmental forensics	IIT, Delhi and NIT Calicut, <i>One week short term programme</i>	NIT,Calicut 04/07/2014 to 12/07/2014
10. All India conference on Waste Management and Pollution Control	IEI, Belgaum, Two days National Confrence	KLES,s College of Engg. Belgaum 07/03/2014 to 08/03/2014
11. "ISTE" Two weeks workshop on "Engineering Mechanics"	IIT, BOMBAY, one Week Online workshop	KLS's GIT, Bgm December 2013
12. Operation And Maintenance of Environmental Facilities	K.E.R.S , <i>One Week Workshop</i>	UBDTCE, Davangere 7/10/2013 to 11/10/ 2013
13. "Artificial neural networks and Applications "	I.S.T.E., <i>Two Day workshop</i>	S.T.J.I.T, Ranebennur 17/09/2010 to 18/10/2010
14. "Sampling, Testing, Analysis and Interpretation of water quality data "	A.I.C.T.E ,sponsored two week workshop	7/12/2009 to 18/12/2009 R.V.C.E, Bangalore
15. Management and Entrepreneurship	TEQUIP	B.E.C Bagalkot, 22/08/2009 to 24/08/2009
16. Restoration and management of Surface water Bodies.	DayanandaSagar College of Engg , Blore. <i>One Day National Seminar</i>	DayanandSagar, Blore 28/03/2008
17. Faculty development Programme	I.S.T.E	7/04/2007 to 08/04/2007, S.T.J.I.T, Ranebennur
18. Artificial neural networks and Fuzzy logic in Civil Engineering	A.I.C.T.E., QIP, <i>One Week STTP</i>	Adhiyamman College of Engg, Hosur, T.N 27/02/2006 to 03/03/2006,
19. Progress in Renewable Resources	KREDL, <i>Two days National workshop</i>	S.T.J.I.T, Ranebennur 17/03/2006 to 18/03/2006
20. Faculty development Programme	I.S.T.E,	S.T.J.I.T, Ranebennur 01/10/2005 to 02/10/2005

Responsibilities Held

University level/Other Institutions responsibilities handled:

1. IQAC Coordinator

Department level responsibilities handled:

1. Head of the Department
2. Project Coordinator

Extra Curriculum Activities

Sports : Chess, Cricket.
Hobbies : Cooking, Sports, Reading, Music

Personal Information

Date of Birth	30th October 1976
Gender	Male
Marital status	Married
Languages Known	English, Hindi, Kannada, Telegu & Tamil
Phone Number	+91 9986521799
Email ID	drshivakeshava@gmail.com
Contact Address	# 27 Adarsh layout, Behind HESCOM Keshavapur , Kusugal Road ,Hubli – 580020