

VISHISHTTA NAGARAJ

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CAREER OBJECTIVE

Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills, my ability and enhancing my professional skills with learning and experience for career growth.

EDUCATIONAL DETAILS

COURSE	YEAR OF COMPLETION	INSTITUTION UNIVERSITY	PERCENTAGE
Ph.D (Environmental Engineering)	2020	V.T.U	
M. Tech (Environmental Engineering)	2008	Sri Jayachamarajendra College of Engineering, Mysore (V.T.U)	79%
B. E (Environmental Engineering)	2006	V.V.C.E (V.T.U)	71%
PUC (PCMB)	2002	JSS Women's College, Mysore	66.5%
SSLC	2000	JSS Public School, Siddhartha Nagar, Mysore (C.B.S.E)	80%

WORK EXPERIENCE

3rd September, 2019 - till Date

Assistant Professor
Department of Environmental Engineering
Sri Jayachamarajendra College of Engineering
JSS Science and Technology University, Mysore

January 2012-September 2019

Senior Teaching Fellow
Department of Environmental Engineering
Sri Jayachamarajendra College of Engineering
JSS Science and Technology University, Mysore

February 2009 – March 2011

Senior Research Associate
NRCD project, (MOEF)
Sri Jayachamarajendra College of Engineering,

16th August, 2011 – 31st December, 2011

Lecturer
Department of Civil Engineering
HMSIT, Tumkur.

September 2008- July 2010

Senior Teaching Fellow
Department of Environmental Engineering
Sri Jayachamarajendra College of Engineering
JSS Science and Technology University, Mysore

ACADEMICS

Ph.D in Environmental Engineering on the topic “**Advanced treatment Technologies for removal for nitrate, fluoride and hardness from groundwater**” under the guidance of **Dr. B. Manoj Kumar**, Professor, Department of Environmental Engineering, S.J.C.E, Mysore.

PROJECTS:

M. Tech: Electro-coagulation Treatment of Dairy Wastewater.

NATIONAL CONFERENCES & PUBLICATIONS

1. Proceedings of first Annual Conference on Innovations and Developments in Civil Engineering, ACIDIC- 2014 NITK, Surathkal, India. 19-20 May 2014. Page No. 303-308.
2. Presented a paper titled "Removal of Fluoride from Groundwater using Aluminum Electrodes in Electrocoagulation Reactor " in Second International Conference on Advanced Materials & Technology (ICMAT-20) organized by Sri Jayachamarajendra College of Engineering, JSS Science and Technology University, Mysuru, India, held on 16th to 18th January 2020.
3. Presented a paper titled "Advanced materials for water and wastewater treatment " in Second International Conference on Advanced Materials & Technology (ICMAT-20) organized by Jayachamarajendra College of Engineering, JSS Science and Technology University, Mysuru, India, held on 16th to 18th January 2020.

List of Research Publications

1. Vishishtta Nagaraj and B. Manoj Kumar., (2018), ‘Removal of fluoride from synthetic water using chitosan as an adsorbent’, Journal of Environmental Science, Toxicology and Food Technology, Vol.12, pp 43-48.
2. Vishishtta Nagaraj and B. Manoj Kumar., (2018), ‘Removal of nitrate and hardness from synthetic water using chitosan as an adsorbent’, IJETSR, Vol-5, pp 2394-3386
3. Sahana N K, Malini P, Akshatha M S, Vishishtta Nagaraj., (2021), “Simulation studies on adsorption using carbon and bioadsorbents”,IRJMETs,Vol-3,Issue-7, pp 1556-1566

INTERNSHIP

Completed 8 weeks Internship training program at MYMUL and prepared a report on **Study of Dairy Processes and Wastewater Treatment at MYMUL**

CONFERENCE/SEMINARS/WORKSHOP ATTENDED

1. Workshop on “**Authors Workshop on Publish or Perish**” an initiative under TEQIP-II organized by Sri Jayachamarajendra College of Engineering, Mysore, on 26th March 2016.
2. Six day workshop on “**Pedagogy of Instructional Design and Delivery System**” from 7th June 2016- 12th June 2016 organised as TEQIP-II at SJCE, Mysore.
3. 2 weeks workshop on the Course of “**Fate and Transport of Contaminants in the Environment**”, Global Initiative for Academic Networks (GIAN), organised by department of Environmental Engineering , SJCE,Mysore from 13th to 25th June 2016.

4. 2 weeks workshop on the Course of **“Spatial Technology and Modelling for Drought Management”**, Global Initiative for Academic Networks (GIAN), organised by department of Environmental Engineering, SJCE, Mysore from 11th to 22nd July 2016.
5. One week Faculty Development Program on **“ Sustenance of Energy and Environment : Challenges and Research Dimension”**, organised by Department of Electrical and Electronics Engineering, SJCE, Mysore from 25th July to 30th July 2016.
6. **Third International Festival of Science, Technology, Engineering and Mathematics** organised by International Stem Alliance in association with University of Mysore, held at University of Mysore during 17-20 October 2016.
7. **3 day Indo-US Workshop on “Hazardous Materials Management”**, organised by department of Environmental Engineering, SJCE, Mysore from 25th to 27th October 2016.
8. 2 weeks workshop on the Course of **“ Energy, Sustainability and Life Cycle Risk Analysis”**, Global Initiative for Academic Networks (GIAN), organised by department of Electronics and Communication Engineering, SJCE, Mysore from 13th to 28th February 2017.
9. Eleven days workshop on the Course of **“Solid Waste Management-Feasibility of Technology Transfer”**, Global Initiative for Academic Networks (GIAN), organised by department of Environmental Engineering, SJCE, Mysore from 10th to 20th February 2017.
10. Workshop on **“Spectrum of Intellectual Property Rights with Special emphasis on Patents”** for faculty members of SJCE, organized by Sri Jayachamarajendra College of Engineering, Mysore, on 28th February 2018.
11. Two-day workshop on **“Regional Knowledge Conclave for Colleges and Universities, Mysuru”** organized by Centre for Science and Environment (CSE), New Delhi, on 6th and 7th September 2018.

Online webinar Attended during 2020-21

Training Mode and Duration	Title of Training	Held at Internal or External	Date
5 days	"Green Technology & Sustainability Engineering"	AICTE Training and Learning (ATAL) Academy, conducted Malaviya National Institute of Technology Jaipur	4-1-2021 to 8-1-2021
5 days	Modern Innovations and Development in Renewable Energy Technology	AICTE Training and Learning (ATAL) Academy, conducted University of Lucknow	2021-7-12 to 2021-7-16
5 days	“Inculcating Universal Human Values in Technical Education”	All India Council for Technical Education (AICTE)	16 August, 2021 to 20 August, 2021
Foundation Level, Total 16 Sessions of 30 contact hours	Innovation Ambassador training	MoE's Innovation Cell & AICTE	5th August - 31st August 2021 in online mode.

NPTEL COURSES

1. 12 weeks NPTEL online certificate course on Air Pollution and Control organized by IIT, Madras.
2. 8 weeks NPTEL online certificate course on Natural Hazards organized by IIT, Madras

Online webinar Attended during 2019-20

Training Mode	Title of Training	Board Area of Training	Held at Internal or External	Date
Online course	Introduction to Environmental Law and Policy	Environmental Law	The University of North Carolina at Chapel Hill	certificate issued on 09.06.2020
Online course	Air Pollution – A Global Threat to our Health	Air Pollution issues	University of Copenhagen	certificate issued on 19.06.2020
Online course	Introduction to indoor air quality	Air Pollution issues	The Hong Kong University of Science and Technology	certificate issued on 28.06.2020
Online course	Municipal Solid Waste Management in Developing Countries	Waste Management	Ecole Polytechnique Federale de Lausanne (EPFL) University	certificate issued on 28.06.2020
Webinar	Research Funding Agencies and How to Write Good Proposals	Writing of Research Proposals	Department of Computer Science and Engineering held at Angadi Institute of Technology and Management	26th June, 2020
Webinar	Nutraceuticals and Medicinal Herbs for Health & Immunity	Medicinal Herbs for Health & Immunity	Department of Botony & IQAC, St. Joseph's College for Women (A), held at Visakhapatnam, Andhra Pradesh	20th June, 2020
Webinar	Remote Sensing for Environmental Studies	Application of Remote Sensing	Dr. Ambedkar Institute of Technology, Bangalore, Karnataka	13th June. 2020
Webinar	Climate Change and Sustainability	Climate Change and Sustainability	Department of Civil Engineering in association with ISHRAE Mysore Chapter held at Vidyavardhaka College of Engineering	4th June, 2020
5-day Webinar	NBA and NAAC Accreditation Process organized by Internal Quality Assurance Cell (IQAC)	NBA	MS Ramaiah Institute of Technology, Bengaluru	4th June 2020 to 8th June 2020

Online Short-Term Training Programme (STTP)	Green Building, Energy Efficiency and Energy Policy for Sustainable Future" under TEQIP-III	Green Building,	under Collaborative Research Scheme (CRS) of Assam Science and Technology University, Guwahati (under the aegis of TEQIP-III, MHRD, GoI)	June 08-13, 2020
Two-week course	Digital Transformation in Teaching Learning Process	Digital Transformation in Teaching Learning	Indian Institute of Technology, Bombay	April 6th -22nd 2020
Two weeks	Online Teaching-Learning and Research Methodology	Teaching-Learning and Research Methodology	Faculty Development Programme (FDP) (In Association with RUSA and IQAC) Govt. P. G. College, Bilaspur, Rampur - Uttar Pradesh	18th – 29th July 2020
5-day Webinar	BIS codes pertaining to Civil Engineering	BIS codes – Civil Engineering	Department of Civil Engineering, Vidyavardhaka College of Engineering	20th -25th July 2020
5-day webinar	“Quality Control and Safety in Polymer & Allied Industries”	Quality Control and Safety in Industries	Department of Polymer Science and Technology, Sri Jayachamarajendra College of Engineering, JSS Science and Technology University (SJCE), Mysore	27th -31st July 2020
6-day Webinar	“Energy Efficiency and Green building”	Green Building	Department of Civil Engineering, Vidyavardhaka College of Engineering	3rd- 8th August 2020
One week FDP	“Advanced or Smart Processing Technology”	Smart Processing Technology	Department of Polymer Science and Technology, Sri Jayachamarajendra College of Engineering, JSS Science and Technology University (SJCE) Mysore	10th to 14th August 2020
Three-day Webinar	Climate Change and Disaster Risk	Climate Change	National Institute of Disaster	18th -20th August 2020

	Reduction		Management, Ministry of Home Affairs, Govt. of India OP Jindal University, Raigarh	
Two Weeks	Fabrication Of Electronic Devices Using Nanomaterials	Nanomaterials	Department of Electronics and Communication Engineering, JSS Science and Technology University (SJCE)	24th August to 4th September 2020
5 Days	Five Day National Level Faculty Development Program for Educators of Environmental Studies	Faculty Development Program for Educators of Environmental Studies	Department of Chemical Engineering, JNTUA College of Engineering Anantapur	21st to 25th September 2020
6 days	Waste Management and Environmental Protection – A Sustainable Approach	Waste Management	Nitte Meenakshi Institute of Technology, Bangalore	12th to 17th October 2020
One Week	Outcome Based Education and Accreditation	Outcome Based Education	ISTE, Telangana Section in association with JNTUH College of Engineering, Hyderabad and Swecha	5th Oct to 9th Oct 2020
One Week AICTE sponsored online STTP	“Wastewater – the untapped resource for next- generation”	Wastewater	BLDEA's V P Dr P G Halakatti College of Engineering Vijayapur	02 nd to 07th November 2020
5 days	Advancements in Civil Engineering (with emphasis on Water Resources, Environment Engineering and Climate Change)	Advancements in Civil Engineering	Department of Civil Engineering, IIT, Indore	02 nd to 06th November 2020
5 days	Waste Technology	Waste Technology	AICTE Training and Learning (ATAL) Academy, conducted at B.M.S. College of Engineering.	23-11-2020 to 27- 11-2020
5 days	Waste Technology	Waste Technology	AICTE Training and Learning (ATAL) Academy, conducted at C V Raman Global	21-12-2020 to 25- 12-2020

			University.	
Two days' Workshop	Integrated Solid Waste Management (ISWM)	Solid Waste Management	Department of Environmental Engineering held at Sri Jayachamarajendra College of Engineering (SJCE), JSS Science and Technology University, Mysuru	6th – 7th September, 2019.

NPTEL Courses:

- 12 weeks NPTEL online certificate course on Municipal Solid Waste Management organized by IIT, Madras.
- 8 weeks NPTEL online certificate course on Plastic Waste Management organized by IIT, Madras.
- 12 weeks NPTEL online certificate course on Water Supply Engineering organized by IIT, Madras.

Online webinar Attended during 2018-19

Sl.No.	Title FDP/Training program/workshop	Name Organization Conducted the FDP/Training program/workshop	Duration of Training Program From date – To date
<u>1</u>	Geospatial Technologies	TEQIP-III organized by Department of Construction Technology and Management, JSS Science and Technology University (SJCE)	One week 15th - 19th July 2019
<u>2</u>	“Advanced Materials for Energy, Water and Health”	Department of Polymer Science and Technology and Environmental Engineering, Sri Jayachamarajendra College of Engineering, JSS Science and Technology University (SJCE) Mysore	One week 22nd to 27th July 2019
<u>3</u>	“Integrated Solid Waste Management” (ISWM)	Department of Environmental Engineering, Sri Jayachamarajendra College of Engineering, JSS Science and Technology University (SJCE) Mysore	Two days' workshop 6th to 7th September 2019

NPTEL Courses:

- 4 weeks NPTEL online certificate course on Electronic Waste Management organized by IIT, Madras.

Additional Responsibilities taken in the Institution

- Coordinator for Indian Red Cross Society (IRCS) of the University - Recognized as IRCS coordinator from (20-9-2021). Have conducted blood donation camp in association with JSS Medical College, Mysore.
- Coordinator of Institution Innovation Council (IIC)
- Other Role: Coordinator for – DUGC, NBA, NACC, UG Program, Time Table.

Courses Taught

B.E (Environmental Engineering)

- Engineering mechanics
- Strength of materials
- Survey Engineering
- Fluid Mechanics-I
- Fluid mechanics-II
- Origin and characterization of environmental pollution
- Hydrology
- Hazardous waste management
- Materials of construction
- Geology and Geotechnology
- Disaster management
- Environmental system's optimization
- Estimation, Specifications and Financial aspects
- Applications of Statistics in Environmental Engineering
- Transport and Fate of Environmental Pollutants
- Environmental Chemistry and Applications
- Environmental studies
- Survey practice
- Fluid mechanics lab
- Environmental process lab-I
- Environmental process lab-II
- Environmental chemistry lab
- Noise and emission measurement lab
- Design and drawing for environmental systems-I
- Design and drawing for environmental systems-II

M.Tech (Environmental Engineering)

- Transport Process and Modelling
- Environmental Legislation and Impact Assessment

M.Tech (Health Science & Water Engineering)

- Occupational Safety and Health

PERSONAL STRENGTHS

Creativeness, Positive thinking, Communication and Analytical skills, Teamwork and Strong work ethic.

PERSONAL DETAILS

Date of Birth : 24.7.1984
Languages Known : Kannada, English and Hindi
Nationality : Indian

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

Place:

(VISHISHTTA NAGARAJ)