

RESUME

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PROFESSIONAL EXPERIENCE:

- Worked as Lecturer in Govt. Polytechnic, Bijapur for 3 years (2003-2006).
- Worked as Lecturer in SECAB Engg. College, Bijapur, from 01-08-2006 to 29-02-2008.
- Worked as Lecturer in B.L.D.E.A's V.P.P.G.H College of Engg. & Tech, Bijapur, from 01-03-2008 to 31-07-2008.
- Worked as Sr.Gr.Lecturer in SECAB Engg. College, Bijapur, from 01-09-2008 to 17-08-2010.
- Worked as Asst. Prof in SECAB Engg. College Bijapur, from 17-08-2010 to 04-08-2012.
- Presently working as Asst. Prof. in B.L.D.E.A's V.P.Dr. P.G. Halakatti College of Engg. & Technology, Bijapur.

Total experience, all put together is more than 13 years.

JOB PROFILE:

Subjects handled:

Environmental I & II, Transportation Engineering I & II, Surveying I& II, Solid Waste Management, Management and Entrepreneurship, Building Construction, Materials of Construction, Industrial Waste Water Treatment, Rural Water Supply and Sanitation, Elements of Civil Engineering and Mechanics, Remote Sensing & GIS.

Laboratories handled:

Environmental Engineering lab.

WORKSHOPS / FDPs/ TRAINING PROGRAMS/ SEMINARS ATTENDED:

1. VTU & Department of Science & Technology, Govt of Karnataka sponsored, Five days VTU-VGST Faculty Development programme 2011-12 on –**“Earthquake Resistant Design Of Structures (ERDS)”** from 12th March to 16th March-2012, organised by Department of Civil Engineering, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering & Technology, Bijapur.
2. One Day Awareness Workshop on **“Opportunities for Entrepreneurship in Information Technology”**, jointly organised by Department of Information Science and Entrepreneurship Development Cell, SIET, Bijapur on 8th July 2011.
3. One Day Workshop on **“Biomedical Waste Management, The Present Scenario & role of Health Care Personnel”**, jointly organised by BLDEA’s Shri B.M.Patil Institute of Nursing Sciences & Karnataka State Pollution Control Board, Bijapur on 14th Feb 2012.
4. One Day Workshop on **“Water and Water Treatment”**, jointly organised by The Electrochemical Society of India, Bangalore, Karnataka State Pollution Control Board, Bangalore and Council of Scientific & Industrial Research, New Delhi, on 30th Jan 2013, at IISC, Bangalore.
5. One Day UGC sponsored National Seminar on **“E-Waste : A threat to Environment”**, organised by Anjuman Arts, Science & Commerce College, Bijapur, on 9th March 2013.
6. One Day Workshop on **“Recent Update on Metal Toxicity: From Biochemistry to Molecular Medicine”**, organised by Shri B.M.Patil Medical College, Hospital & Research Centre, Bijapur, on 18th April 2013.
7. Successfully completed training on **“Internal Auditors as per ISO 9001:2008 requirements”**, conducted by “Zero Defect Consultants (Quality & Performance Improvement Consultancy), on 25th to 26th June 2013.
8. One Day Workshop on **“Good Clinical Practice (GCP)”**, organised by Shri B.M.Patil Medical College, Hospital & Research Centre, Bijapur, on 30th September 2013.
9. Two Days **“Teachers Training Workshop”**, organised by INTACH’s Heritage Education Programme from 28th to 29th October 2013.
10. TEQIP-II sponsored Faculty Development Programme on **“Recent Trends in Management of Environmental Systems”**, organised by Shri B.V.V.Sangha’s Basaveshwar Engineering College, Bagalkot from 28th to 30th November 2013.
11. AICTE-MHRD-TEQIP II sponsored Faculty Development Programme on **“Modelling Techniques for Environmental and Hydrological Systems, MTEHS-2013”**, organised by National Institute of Technology, Calicut, Kozhikode, Kerala from 8th to 14th December 2013.

12. AICTE sponsored National Seminar on **“Recent Research and Development in Civil Engineering (RRDCE 2014)”**, organised by Civil Engineering Department, Dr Ambedkar Institute of Technology, Bangalore from 27th to 28th March 2014.
13. **“SARVATOMUKH Workshop”**, on the eve of World Women’s Day 2014, organised by Department of Electronics & Communication and Electrical Engineering of B.L.D.E.A’s V.P.Dr.P.G.H.College of Engineering and Technology, Bijapur.
14. One Day Workshop on **“Intellectual Property Rights”**, jointly organised by Visvesvaraya Trade Promotion Centre (VTPC), Department of Industries & Commerce, Government of Karnataka and BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur.
15. One Day Workshop on **“Energy Management”**, organised by Mechanical Engg. Dept., BLDEA’s CET, Bijapur, on 29th September 2014.
16. QIP course on **“GIS for Civil Engineers”** at IIT, Bombay from 1st to 5th December 2014.
17. One day workshop on Women’s day, **“MAKE IT HAPPEN”**, organised by Dept of Architecture, B.L.D.E.A’s CET, on 8th March 2015 at Vijayapura.
18. One day workshop on **“WECaN” Women Engineers’ Conference and Network – Building and Infrastructure**, organised by School of Construction Management Excellence on 25th July 2015 at Bangalore.
19. Three days’ workshop on **“Research Methodologies & Latex”** organised by VTU e-Learning Centre, Mysuru from 2nd to 4th September, 2015 at NMAM Institute of Technology, Nitte.
20. Five days STTP on **“Sustainable Development in Civil Engineering”**, organised by SVERI’s College of Engg. from 14th to 18th December 2015 at Pandharpur.
21. Five days STTP on **“GIS & Remote Sensing Technology using QGIS, Geoserver & PostGIS- an open source desktop & WebGIS software”**, organised by Annasaheb Dange College of Engg. & Tech., Ashta & kCube Consultancy Services Private Ltd., from 4th to 8th Jan 2016.
22. Two days workshop on **“Wealth from Waste and Pollution awareness online monitoring, E-waste Management and RoHs 2016”**, organised by IISc, Bangalore from 16th to 17th June 2016.
23. Five days’ workshop on **“Introduction to Geo-matics”**, organised by BLDEA’s V.P.Dr.P.G.H.CET., from 22nd to 26th August 2016 at Vijayapura.
24. Five days FDP on **“Hydrological Modeling Using Quantum Soil and Water Assessment Tool”**, organised by KIT College of Engineering from 19th to 23rd Feb 2017 at Kolhapur.
25. Two day Symposium on **“Emerging Technologies for Sustainable Development, International Symposium”**, organised by Basaveshwar Engg. College on 27th to 28th Feb 2017 at Bagalkot.
26. One day workshop on **“Groundwater Modelling Workshop – iMOD”**, organised by Deltares Academy on 15th December 2017 as part of IGWC 2017 (New Delhi, India).
27. Successfully completed AICTE approved FDP on **“Foundation Program in ICT for Education”**, conducted by IIT, Bombay from March 8th to April 12th 2018.
28. Two days Orientation Programme on **“Circular Planning and Implementation”**, organised by BLDEA’s J.S.S. College of Education, Vijayapur on 16th to 17th March 2018.
29. One week FDP on **“Pedagogy for Higher Education”**, jointly organised by Internal Quality Assurance Cell and Academic Affairs Committee, BLDEA’s V. P. Dr. P. G. H CET., Vijayapur from 22nd to 26th July 2019.

30. Two days workshop on “**Organising Research with Reference Management Tools**”, jointly organised by R & D Cell, Library and Information Centre, BLDEA’s V. P. Dr. P. G. H CET., Vijayapur from 25th to 26th May 2018.
31. One day workshop on “**Balance for Better**”, organised by Dept. of Electrical Engineering, BLDEA’s V. P. Dr. P. G. H CET., Vijayapur, on 22nd March 2019.
32. Online Elementary FDP on “Advance Surveying using Total Station and Drone” organised by AICTE and ATAL Academy from 7th to 11th Jan 2022.

WORKSHOPS/ACTIVITIES ORGANISED

1. Organised **Blood Donation Camp** in SECAB Engineering College, where 84 students donated blood and was awarded Trophy for maximum blood collection by Lions Blood Bank.
2. Organised **Blood Donation Camp** on behalf of Civil Engineering Department, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology on 1st March 2014, where 105 students donated blood.
3. Instrumental in forming “**Youth Forum-YUVA**” at BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, in association with Loin’s Club of Bijapur. The forum was inaugurated on 12th Aug 2014 by Dr Mulimanni, V.C. of BLDEA University.
4. Organised a two day workshop on “**Bijapur Solar Architecture**”, on 12th Sept 2014. It was jointly conducted by Civil Engg. Dept. and Dept. of Architecture, BLDEA’s CET, Bijapur
5. Organised **Blood Donation Camp** on behalf of Civil Engineering Department, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology on 15th Sept 2015 to mark Engineer’s day celebration, where a record breaking collection was achieved. 176 students donated blood on the day.
6. Organised **National Eye Donation Awareness** workshop, as YUVA chairman along with Lions Club, Bijapur, on 26th Oct.
7. Organised One day Workshop on “**Water Status of Vijayapur – Past & Present**” on behalf of of Civil Engineering Department, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology on 27th Feb 2015.
8. Organised **Organ Donation Awareness** workshop, as YUVA chairman along with Lions Club, Bijapur, on 14th Feb 2015, where 105 students donated blood.
9. Organised **plantation** in physically handicapped school on 15th August 2015.
10. Organised one day workshop on “**ISRO Satellite Remote Sensing Based Societal Applications on the Web**” on behalf of of Civil Engineering Department, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology on 30th to Aug 2016.
11. Organised an awareness program for local people of Hannchanal Tanda on “**Health Implication of Sewage farming & Benefits of Organic Farming**” on behalf of of Civil Engineering Department, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology on 26th Jan 2017.
12. Organised an awareness activity, “**Talking Trees**”, as YUVA chairman, on behalf of of Civil Engineering Department, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology on 26th Jan 2017.
13. Organised a skit to generate **awareness regarding family relationships** among students, on behalf of Civil Engineering Department, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology on 14th Feb 2017.

14. Organised a skit to generate **awareness among students regarding their overall presentation**, on behalf of of Civil Engineering Department, BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology on 10th March 2017.
15. Organised one day workshop on **"Rain Water Harvesting"**, on account of Environmental day, on behalf of of Civil Engineering Department, BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology on 5th June 2017.
16. Organised an training program for students on **"Intellectual Property Rights (IPR)"**, on behalf of Institute IPR cell, BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology and ASSOCHAM on 27th Sept 2018.
17. Organised an awareness talk on **"Living Roof – the future is alive"** under the activity of Technology Transfer, on behalf of IPR cell of BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology on 19th April 2019
18. Organised one day seminar on **"Research Trends in Science and Technology"**, on behalf of Research and Development Cell, BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology on 25th May 2019.
19. Organised AICTE sponsored one-week STTP on **"Wastewater – the untapped resource for next generation"** on behalf of Civil Engineering Department BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology from 2nd to 7th November 2020.
20. Organised AICTE sponsored one-week STTP on **"Solid Waste – A hidden treasure in reality"** on behalf of Civil Engineering Department BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology from 23rd to 28th November 2020.
21. Organised AICTE sponsored one-week STTP on **"Control Air Pollution - Defer Climate Change"** on behalf of Civil Engineering Department BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology from 21st to 26th December 2020.

CONFERENCES ATTENDED:

International Conferences:

1. **IconSWM-2012- "3rd International Conference on Solid Waste Management and Exhibition on Municipal Services, Clean Technology & Machinerics"**, jointly organised by Jadavpur University, Kolkata & Mysore City Corporation, Mysore, from 30th July to 1st Aug 2012 at Infosys Campus, Mysore.
2. **ICEEEB- "International Conference on Energy, Environment, Eco-friendly Buildings"**(19th to 21st Sept 2013),jointly organised by Jain University, Indian Green Building Council, The Indian National academy of Engineering and Built Expressions at Bangalore.
3. **International Conference on Civil Engineering (ICCE 2014)**, on 21-23 Aug 2014, organised by The Society of Information Processing, Bengaluru and Vijaya Vittala Institute of Technology, Bengaluru.
4. **International Conference on Environment and Ecology (ICEE 2015)**, on 2-4 Mar 2015, organised by Foundation for Sc. & Env, Scientific & Env. Research Inst., Kolkata and Indian Institute of Ecology & Env., New Delhi in asso. With Confederation of Indian Universities, Global open University & Indira Gandhi Tech. & Medical Sc. University.
5. **IconSWM-2015- "5rd International Conference on Solid Waste Management and Exhibition on Municipal Services, Clean Technology & Machinerics"**, jointly

organised by Jadavpur University, Kolkata , Center for Infrastructure, Sustainable Transportation and Urban Planning (CiSTUP), Karnataka State Center for Science & Tech.(KSCST), IISc, Bangalore, on 25th to 27th November 2015.

6. International Conference on “**Potential Impact of Pesticides on Environment and Human Health (CPIPEHH-2017)**”, organised by Dayananda Sagar University, Bangalore on 2nd to 4th November 2017.
7. International Conference on “**Environmental Degradation: Key Challenge to Sustainable Development**”, organised by IEI, Telangana State Centre, Hyderabad, Telangana, India from 22nd to 24th Nov 2019.

National Conferences:

1. IPACT-2013, National Conference on “**Industrial Pollution and Control Technology**”, organised by Annamalai University, Annamalai Nagar, Tamil Nadu, on 14th & 15th March 2013.
2. RACE-2013, National Conference on “**Recent Advances in Civil Engineering**”, organised by Department of Civil Engineering, KLE’s College of Engineering & Tech, Belgaum.
3. “**Fostering Greenovations for Green Growth**”, 30th National Convention of Environmental Engineers, organised by Karnataka State Centre of IEI (The Institute of Engineers (India)) at Bangalore on 22-23 August 2014.
4. National Conference on “**Groundwater Resources Management for Sustainable Development: Special Emphasis on Coastal and Urban Environment**”, organised by Centre for Water Resources Development and Management (CWRDM), Kozhikode, India from 18th to 20th February 2020.

PAPERS PRESENTED:

1. Presented a paper on “**Bio-Medical Waste Management**” in IconSWM-2012- “3rd International Conference on Solid Waste Management and Exhibition on Municipal Services, Clean Technology & Machinerics”, jointly organised by Jadavpur University, Kolkata & Mysore City Corporation, Mysore, from 30th July to 1st Aug 2012 at Infosys Campus, Mysore.
2. Presented a paper on “**Treatment of Sugar Industry Waste Water by Upflow Anaerobic Sludge Blanket Reactor**” in two day National Conference on “Industrial Pollution and Control Technology-2013” ,organised by Department of Chemical Engineering, Faculty of Engineering & Technology, Annamalai University, Annamalai Nagar, Tamil Nadu, on 14th & 15th March-2013.
3. Presented a paper on “**Management of Bio Medical Waste**” in two day National Conference on “Industrial Pollution and Control Technology-2013” ,organised by Department of Chemical Engineering, Faculty of Engineering & Technology, Annamalai University, Annamalai Nagar, Tamil Nadu, on 14th & 15th March-2013.
4. Presented a paper on “ **Vermicomposting Paper Waste**” in two day National Conference on “Recent Advances in Civil Engineering”, (29th and 30th April 2013) organised by Department of Civil Engineering, KLE’s College of Engineering & Tech, Belgaum.
5. Presented a paper on “**Solar Roads**” in two day International Conference (19th to 21st Sept 2013) on “Energy, Environment and Eco-friendly Buildings”, organised by Jain

University, Indian Green Building Council, The Indian National academy of Engineering and Built Expressions at Bangalore.

6. Presented a paper on “**Treatment of Kitchen Waste by Microbial Culture**” in AICTE sponsored National Seminar on “Recent Research and Development in Civil Engineering (RRDCE 2014)”, organised by Civil Engineering Department, Dr Ambedkar Institute of Technology, Bangalore (27th to 28th March 2014).
7. Presented a paper on “**Impact of Carbon Emission on Carbon Ecosystem**” in two day “First Annual Conference on Innovations and Developments in Civil Engineering (ACIDIC 2014)”, organised by Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal.
8. Presented a paper on “**Fluoride Contamination Status of Bore wells and Dug wells of Muddebihal Taluk**”, at the International Conference on Civil Engineering (ICCE 2014), on 21-23 Aug 2014, organised by The Society of Information Processing, Bengaluru and Vijaya Vittala Institute of Technology, Bengaluru.
9. Presented a paper on “**Bio-Medical Waste**”, at UGC sponsored two day National Seminar on Building Awareness on Environmental Protection on 12th and 13th Sept 2014, organised by BLDEA’s S.B Arts and K.C.P Science College, Bijapur.
10. Presented a paper on “**Occurrence Of Fluoride In Hirehalla, Tributary Of Don River, Muddebihal Taluka, Bijapur District**”, in 7th International Congress Of Environmental Research, 26-28th Dec 2014, Bangalore.
11. Presented a paper on “**Plastic Roads**” at International Conference on Environment and Ecology (ICEE 2015), on 2-4 Mar 2015, organised by Foundation for Sc. & Env, Scientific & Env. Research Inst., Kolkata and Indian Institute of Ecology & Env., New Delhi in asso. With Confederation of Indian Universities, Global open University & Indira Gandhi Tech. & Medical Sc. University.
12. Presented a paper on “**Groundwater quality analysis of Hungund taluk with emphasis on Fluoride**” at CSWM 2015, the National Conference on Climate Change and Sustainable Water Resources Management, organised by NIIT, Warangal in association with Indian Society for Hydraulics (ISH), held during 3rd to 5th September 2015.
13. Presented a paper on “**Vermicomposting - Solution for Milk Sludge**” at IconSWM-2015- “5th International Conference on Solid Waste Management and Exhibition on Municipal Services, Clean Technology & Machineries”, jointly organised by Jadavpur University, Kolkata , Center for Infrastructure, Sustainable Transportation and Urban Planning (CiSTUP), Karnataka State Center for Science & Tech.(KSCST), IISc, Bangalore, on 25th to 27th November 2015.
14. Presented a paper on “**Hydrochemical Characteristics and GIS-based assessment of Groundwater quality in Doab region of Krishna basin, Karnataka, India**” in 7th INTERNATIONAL GROUND WATER CONFERENCE "Ground Water Vision 2030 Water Security, Challenges and Climate Change Adaptation" organized by National Institute of Hydrology, Roorke and Central Ground Water Board, India at ICAR-NASC Complex, New Delhi from 11th to 13th Dec 2017.
15. Presented a paper on “**Living Roofs – the Future is Alive**” in 3rd INTERNATIONAL CONFERENCE ON “CONSTRUCTION, REAL ESTATE, INFRASTRUCTURE AND PROJECT (CRIP) MANAGEMENT” organized by NATIONAL INSTITUTE OF CONSTRUCTION MANAGEMENT & RESEARCH (NICMAR), PUNE from 23rd Nov to 25th Nov 2018.

16. Presented a paper on **“Integrated Groundwater studies in a Part of Krishna Basin using GIS”**, in the National Conference on Groundwater Resources Management for Sustainable Development: Special Emphasis on Coastal and Urban Environment”, organised by Centre for Water Resources Development and Management (CWRDM), Kozhikode, India from 18th to 20th February 2020.
17. Presented a paper on **“Assessment of Water Balance of a Watershed under varied Land Use and Land Cover”**, in the National Conference on Groundwater Resources Management for Sustainable Development: Special Emphasis on Coastal and Urban Environment”, organised by Centre for Water Resources Development and Management (CWRDM), Kozhikode, India from 18th to 20th February 2020.
18. Presented a paper on **“Impact of LULC on the seasonal water balance of groundwater-dominated irrigational watershed of Krishna basin, India”**, in International Virtual Conference on Innovative Trends in Hydrological and Environmental Systems (ITHES-2021), from 28th April to 30th 2021.
19. Presented a paper on **“Seasonal water balance of groundwater-dominated irrigational watershed of Krishna basin, India”**, in 2nd International Conference on River Corridor Research and Management held during 30th May to 1st June 2022 – **Online mode.**
20. Presented a paper on **“Removal of Heavy Metals from Electroplating Industrial Wastewater using Activated Finger Millet Grass as Adsorbent”** in International Conference on Recent Trends in Material Science with Computational Analysis (ICRTMSCA 2022) conducted by Graphic Era (Deemed to be University), Dehradun from 15th to 16th July 2022 – **Online mode.**

PAPERS PUBLISHED:

1. Paper entitled **“Treatment of Sugar Industry Waste Water by Upflow Anaerobic Sludge Blanket Reactor”** has been published in International Journal of ChemTech Research, Vol.5, No.3, pp 1246-1253, April-June 2013.
2. Paper entitled **“Management of Bio Medical Waste”** has been published in International Journal of ChemTech Research, Vol.5, No.3, pp 1213-12219, April-June 2013.
3. Article entitled **“Solar Roads”** published in National magazine- Built Expressions (Nov-2013 issue).
4. Paper entitled **“Treatment of Kitchen Waste by Microbial Culture”** published in IJRET Journal, Volume 3, Special Issue 6; May 2014.
5. Paper entitled **“Fluoride Contamination Status of Bore wells and Dug wells of Muddebihal Taluk”** published in Elsevier Science and Technology Publication’s special edition, “Special Concrete and Construction technology”, ISBN: 978-93-5107-268-3, Pg.no.148-153.
6. Paper entitled **“Vermicomposting - Solution for Milk Sludge”** published in Science Direct’s Procedia environmental Sciences, 35 (2016) 441 – 449.
7. Paper entitled **“Ground water fluoride contamination & its possible health implications in Indi taluka of Vijayapur district, (Karnataka State, India)”** published in Springer

Science (Environmental Geochemistry health) ,26th Aug 2016 DOI- 10.1007/810653-016-9869-2. **Impart factor – 3.**

8. Paper entitled “**GIS based assessment of Hydrochemical Characteristics of Groundwater in DOAB of Krishna basin**” published in Indian Journal of Environmental Protection. IJEP 40 (5): 451-461 (2020).
9. Paper entitled "**Assessment of Impacts of Land Use Land Cover Changes Upstream of a Dam in a Semi-arid Watershed using QSWAT**" published in Journal of Modeling Earth Systems and Environment. Model, **Springer Publication**. Earth Syst. Environ. (2020). <https://doi.org/10.1007/s40808-020-00978-5>.

REPRESENTATION/RESOURCE PERSON:

1. Represented as a Resource person for the workshop on“BWM Management”, organised by BLDEA’s University and Karnataka State Pollution Control Board.
2. Represented as a Resource person on the World Environment Day in the District Court premises.
3. Represented as a Resource person on the “Environment Protection Day” held under “National Integrity Week”, organised by the District Legal Services Authority, Bijapur.
4. Represented the Karnataka State Pollution Control Board in organisation of various activities in schools, on the eve of World Environment Day-5th June-2012.
5. Represented Loins Club of Bijapur as Judge, in Elocution competition at BLDEA’s Arts & Commerce College for Women, on the eve of International Women’s Day, 8th March-2013.
6. Represented as Resource person on International Women’s Day, 8th March-2013, organised by Loins Club of Bijapur & Department of Women & Child, Bijapur.
7. Represented as Guest Lecturer for awareness of Environment, on World Environment Day, 5th June 2013, jointly organised by Karnataka State Legal Services Bangalore, District Legal Services Authority Bijapur, District Police Services Bijapur, Forest Department, Karnataka State Pollution Control Board and NE Karnataka State Road Transport Services, Bijapur.
8. Represented as a resource person on “World Environmental Day-2013”- with theme-“Think Eat, Save & Reduce Your Food print”, organised by BLDEA’s AVS Ayurveda Mahavidyalaya, Bijapur.
9. Represented as a Guest Speaker on “Environment and Human Life”, in fresher’s traditional institution, “Shishyopanayaneeyam”, organised by BLDEA’s AVS Ayurveda Mahavidyalaya, Bijapur.
10. Represented as a resource person on “Teachers, Engineers & World Ozone Layer Day Celebration”, on 21st Sept 2014, organised by Rotary Club of Bijapur Monumental City.
11. Represented as a resource person in “Annual Technical Meet” on 30th Sept 2014, organised by JK Cements, Bijapur and delivered a lecture on “Green Building”.
12. Represented as a resource person on “Environmental Science & Nation”, on the occasion of “Science Day” celebrations in K.C.P Science College on 28th Feb 2015.
13. Conducted a session on “Environmental Pollution” in the Programme, “Environmental Pollution”, organised by CCTEK, Sub-Centre Govt. Polytechnic, Bijapur on 28th September 2015.
14. Represented as a resource person on “Reduce, Recycle, Reuse of Waste”, on the occasion of “National Reuse Week”, organised by KSPCB, Vijayapur on 21st February 2018.

15. Represented as a resource person on the occasion of World Water Day, organised by KUWS & D Board, Sub-Division, Vijayapur on 22nd March 2019.
16. Represented as a resource person on “Conservation of Water”, on occasion of “Jal Diwas”, organised by BLDEA’s Shree Sanganabasava Mahaswamiji Polytechnic, Vijayapur on 22nd July 2019.
17. Represented as a resource person on the occasion of “Engineers Day”, organised by Minor Irrigation Department, Vijayapur on 16th September 2019.

OTHER INFORMATION:

1. Awarded **GOLD MEDAL** by Basaveshwar Engineering College, Bagalkot for obtaining I position in M.Tech.
2. **Awarded Trophy for maximum blood collection** by Lions Blood Bank for organizing Blood Donation Camp in SECAB Engineering College, where 84 students donated blood.
3. Awarded **BEST PAPER** for paper titled “**Treatment of Sugar Industry Waste Water by Upflow Anaerobic Sludge Blanket Reactor**” in two day National Conference on “Industrial Pollution and Control Technology-2013” ,organised by Department of Chemical Engineering, Faculty of Engineering & Technology, Annamalai University, Annamalai Nagar, Tamil Nadu, on 14th & 15th March-2013.
4. Honoured as “**Women Achiever**” on International Women’s Day, 8th March-2013, organised by Loins Club of Bijapur & Department of Women & Child, Bijapur.
5. Instrumental in forming “Youth Forum-YUVA” at BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, in association with Loin’s Club of Bijapur.
6. Awarded “**Environmental Award of the year 2014**” at International Conference on Environment and Ecology (ICEE 2015), on 2-4 Mar 2015, organised by Foundation for Sc. & Env, Scientific & Env. Research Inst., Kolkata and Indian Institute of Ecology & Env., New Delhi in asso. With Confederation of Indian Universities, Global open University & Indira Gandhi Tech. & Medical Sc. University.
7. Awarded “**Women Achiever-2015**”, by Lions Club of Bijapur
8. **Chaired a Technical Session in the 5th International Conference on Solid Waste Management**, organised by IISc, Bengaluru, Jadavpur University, Kolkata and International Society of Waste Management, Air and Water, India.
9. Project titled “**Waste Plastic Pyrolysis**” in Anveshana 2016, Bangalore.
10. Presented a project titled, “**Treatment of Fluoride water by Laterite**” in Anveshana 2016, Bangalore.
11. Presented the college as Judge at Srishti-2016, State Level Project Exhibition & Competition, organised by ABVP, Karnataka.
12. Project titled “**Waste Plastic Pyrolysis**” selected and funded (Rs 5,000 /-) by KSCST.
13. Project titled “**Waste Plastic Pyrolysis**” selected as **Best Project** by KSCST.
14. Project titled “**Treatment of Fluoride water by Laterite**” selected and funded (Rs 3,000 /-) by KSCST.
15. Presented a project titled “**Living Roofs – The Future is alive**” in Anveshana 2017, Bangalore.
16. Project titled “**Living Roofs – The Future is alive**” selected and funded (Rs 7,000 /-) by KSCST.
17. Project titled “**Living Roofs – The Future is alive**” selected and funded (Rs 14,000 /-) by KSCST as continuation.

18. Project titled “**i-REED: Integrated RCC elements and eco-friendly design software**” selected and funded (Rs 5,500 /-) by KSCST.
19. Project titled “**Controlled farming of vegetables by Aquaponics**” selected and funded (Rs 5,500 /-) by KSCST.
20. Project titled “**Controlled farming of vegetables by Aquaponics**” selected as **Best Project** by KSCST.
21. Project titled “**Smart soil-less cultivation by Aquaponics**” awarded II consolation in Anveshana 2020.
22. Project titled “**Horizontal Wetland for Sugar Industry Waste**” selected and funded (Rs 5,000 /-) by KSCST.

PG PROJECTS HANDLED:

2022

1. Removal of heavy metals from Electroplating industrial waste water using activated grass as an adsorbent
2. Treatment of sugar industry wastewater through cultivation of common reed.

UG PROJECTS HANDLED:

2014

1. Ground Water Analysis of Hunagund Taluk & Assessment of Fluoride Concentration
2. Feasibility study of Electro-coagulation process for treating Dairy waste water
3. Bore well Water Quality Analysis of Shapeti area in Bijapur City

2015

1. Design of Water Supply system for Vijayapur City.
2. Plastic Pyrolysis
- 3.

2016

1. Hydrochemical Analysis of Sub-basins of Krishna River and it's suitability for Irrigation using GIS.
2. Zero Waste Campus.
3. Thermal Power plant-Case study on Thermal Power Plant, Kudgi.
4. Treatment of Sugar waste water by Electro-coagulation process.

2017

1. Utilization of Industrial Ash in Production of Bricks
2. Integrated RCC elements and Ecofriendly Design software – funded by KSCST

2018

1. LIVING ROOFS - the future is alive – funded by KSCST
2. Carbon Footprint of Building by LCA-method
3. Identification of Groundwater potential using Geo-spatial techniques.

2019

1. Utilization of Industrial Ash in Production of Bricks
2. i-REED: Integrated RCC elements and eco-friendly design software

2020

1. Controlled farming of vegetables by Aquaponics
2. Hydroponics with Vertical Farming

2020

1. Smart soil-less cultivation by Aquaponics – awarded II consolation prize in Anevashana.

MINI PROJECTS HANDLED:

2014

1. Shipping Container Eco-Homes- Environmental & Economic Benefits -- The project was selected to be presented at “ANVESHAN-2014” and bagged Consolation prize.

2015

1. Wealth out of waste -- Selected for SRISHTI 2015 organized at New Horizon College of Engineering in Bengaluru from May 1st to May 3rd 2015 by Ahkil Bharatiya Vidyarthi Parishad (ABVP). **Won III prize** in Hobby project section.
2. Solar Incinerator -- Selected for SRISHTI 2015 organized at New Horizon College of Engineering in Bengaluru from May 1st to May 3rd 2015 by Ahkil Bharatiya Vidyarthi Parishad (ABVP).
3. Treatment of Fluoride water by Laterite -- Selected for SRISHTI 2015 organized at New Horizon College of Engineering in Bengaluru from May 1st to May 3rd 2015 by Ahkil Bharatiya Vidyarthi Parishad (ABVP).
4. Plastic Pyrolysis – **Selected and funded by KSCST (Rs 4,000/-) – Selected as Best Project by KSCST.**

2016

1. Treatment of Fluoride water by Laterite -- **Selected and funded by KSCST (Rs 3,000/-)** and Selected in Anveshana- Building bridges to Discover, State Level Exhibition in collaboration with High school students.

2017

1. LIVING ROOFS - the future is alive Selected and funded by KSCST

2018

1. LIVING ROOFS - the future is alive Selected for exhibition and funded by KSCST
2. Waste Concrete Blocks - Selected for Anevashana

PROPOSAL SUBMITTED:

2014

1. Fluoride contamination status of different places -- VGST-for K-FIST Programme.
2. Study of groundwater movement and its quality parameters in minor River basin using MODFLOW and GIS -- VGST-for SMYSR Programme

2015

1. Study of groundwater movement and its quality parameters in minor River basin using MODFLOW and GIS -- VGST-for SMYSR Programme

2016

1. Wealth from Waste – FDP-VGST.

2017

1. Wealth from Waste – FDP-VGST.
2. Geospatial Analysis of Ground water quality & quantity – Emphasis on Fluoride & sewage farming – VGST for CESEM

2018

1. LIVING ROOFS - the future is alive - Selected for exhibition and funded by KSCST
2. Waste Concrete Blocks - Selected for Anevashana

2019

1. i-REED: Integrated RCC elements and eco-friendly design software for exhibition and funded by KSCST.
2. Controlled farming of vegetables by Aquaponics for exhibition and funded by KSCST – Selected as Best project.

MEMBERSHIPS:

1. Sitting member of Institutional Animal Ethics Committee of BLDEA's B.M.Patil Medical College and Research Centre, Bijapur, since 8 years.
2. Worked as a Technical advisor to Karnataka Private Medical Establishment Associations, Bijapur Chapter in setting up of Common Bio-Medical Waste Management facility at Bijapur.
3. Associate Member of International Congress of Environmental Research & life member of Journal of Environmental Research and Development.
4. Life member of The Indian Society for Technical Education.
5. Life member of The Institute of Engineers.

COMPUTER SKILLS:

MS-Office with Power point, QGIS

PROJECT UNDERTAKEN:**M.Tech. Project:**

“FEASIBILITY STUDY OF TREATMENT OF SUGAR INDUSTRY WASTE WATER BY UASB REACTOR”

Post Graduate Seminars:

- | | |
|-----------------------------|---------|
| 1. Vermicomposting | I sem |
| 2. Plastic Waste Management | II sem |
| 3. Ocean Acidification | III sem |

Industrial Training:

Industrial training was carried out in Dempo Dairy Industries Limited, Unit of KMF, Asangi, Tq: Jamkhandi, Dt: Bagalkot, Karnataka.

EDUCATIONAL DETAILS :**Doctor of Philosophy (PhD):**

Research Center: Basaveshwar Engineering College, Bagalkot, (VTU, Belgaum) – 2022.

Master of Technology (Environmental Engineering):

College: Basaveshwar Engineering College, Bagalkot, (VTU, Belgaum) 2008-2010.

Bachelor of Engineering:

College: BLDEA’s College of Engineering & Technology, Bijapur,(Karnataka University) 1993-1998.

Pre Degree:

Class	Name of Institution	Year of Passing
X	Basaveshwar Higher Secondary School	1991
XII	B.V.V.S’s Basaveshwar Science College	1993

PERSONAL INFORMATION:

Father’s Name : Ushakant Shirur
Date of Birth : 20-05-1976
Sex : Female
Marital Status : Married
Husband’s name : Sudheer Tanksali
Language known : English, Kannada and Hindi

