

Kausalya Ratnakarrao Londhe**Date of Birth:** 06/12/1989**Mobile:** 7030693434**E-Mail:** kausalya.londhe@mit.asia**Academic Credentials**

Degree	Duration	Institute	Grade
M.Tech.	2011-2013	Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded. (SGGSIE&T)	8.52 (Distinction)
B.Tech.	2007-2011		7.09 (Distinction)

Career Highlights

- ✓ Assistant Professor at Maharashtra Institute of Technology, Aurangabad(August 2015 - Current)
- ✓ Assistant Professor at Pimpri Chinchwad College of Engineering & Research (PCCOER) Pune. (August 2014 – July2015)
- ✓ Courses conducted - Basic Civil Engineering, Engineering Mechanics.
- ✓ Assistant Professor at Deogiri Institute of Engineering and Management Studies, Aurangabad. (July2013 – Decembere 2013)
- ✓ Courses conducted - Fluid Mechanics, Plumbing Engineering.
- ✓ Teaching assistantship for two semesters under TEQIP-II scheme, SGGSI&T, Nanded. (July 2012 – June 2013)
- ✓ Courses instructed – Basic Civil Engineering, surveying, fluid mechanics.

Membership of Professional Bodies

- ✓ Member of ISTE.
- ✓ Member of Hydrological Data User Group (HDUG).

Current Research Areas

- ✓ Water Resources Economics Planning and Management, Water Works Engineering, Ground/Surface Water Hydrology, Irrigation Engineering, Design of Hydraulic Systems along with Design of Structures and Structural Analysis, Surveying, Geology, Soil Mechanics, Fluid Mechanics, Applied Mechanics.
- ✓ Areas of Interest: Hydraulic Modelling, Water supply Management, Water Resources Management, Rainwater Harvesting, Watershed Management.

Computer/Software Proficiency

- ✓ EPANET (the pipe network analysis software introduced by US Environmental Protection Agency), Introduction to ARCGIS and Q-GIS.

Projects

1. Assessment of Jalyukta Shivar Abhiyan in Three villages near Aurangabad.
2. Analysis and Design of Water Supply System in Parbhani City. (M. Tech)
 - The present water supply system which was designed about 30 years ago was analysed for the increased population in the city using the pipe network analysis software **EPANET**, with the support of **ArcGIS**.
 - From the results of the analysis, the drawbacks in the system were observed and suggestions were made.
 - The rising main and pump capacity was designed for the newly developed part of the city, where there was no distribution system.
3. To propose a Hydropower Station on a dam on the river Karpara in Parbhani district (Maharashtra). (B. Tech)
 - The project comprised of checking the potential of an irrigation project on a river for the micro hydropower station. The hydropower station was proposed on the canal releases and spillway releases from that dam.

STTP/FDP/Industrial Training/Seminar/Workshop/Conference Attended

I. Conferences and courses attended

- ✓ International conference on “Urban Lakes: Ecology, Rejuvenation, Technology and Economics” (7th and 8th September, 2012), Powai, Mumbai.
- ✓ 45TH Convention of Indian Water Works Association in Pune.
- ✓ One-week course on “Demand Management of Water Supply” (September 24-28, 2012), Nanded (MS).
- ✓ One-week course on “Analytical Techniques for Applied Research” (January 21-25, 2013), Nanded.
- ✓ One-week interdisciplinary faculty Development Programme on “Role of Textile in Water Preservation” (March 18-22, 2013), Nanded.
- ✓ National conference on “Contribution of Voluntary Organisations in Water Sector” (August 8-9, 2015), Aurangabad.
- ✓ One week STTP on Structural Engineering, arranged by IIT Kharagpur (January 2016), at MIT, Aurangabad.
- ✓ 5 – Day QIP Short Term Course on GIS for Civil Engineers, at Indian Institute of Technology, Powai, (May 15-19, 2017) Bombay.
- ✓ 2 weeks FDP on “Effective use of ICT tools in online Teaching”, on MOOC platform, conducted by Government Pharmacy College, Jalgaon, (June 22 to July 04, 2020)
- ✓ Online webinar on “Urban Hydrology”, organised by IWWA Aurangabad Centre with MIT and DIEMS on July 8, 2020.
- ✓ Online session on “Sustainable Infrastructure for 21st century” by Dr. Grant Wright, Heriot Watt University, on July3, 2020.
- ✓ One week TEQIP STTP on “Advanced Technologies in Water Resource Management” organised by IWWA Aurangabad Centre and GECA, on November 23-27, 2020.
- ✓ ATAL online FDP on “Sustainability Engineering” organised by St. Joseph College of Engineering from December 14 to 18, 2020.

- ✓ One week FDP on “ Incorporating Universal Human Values in Education”, conducted by AICTE, (December 22 to 27, 2020
- ✓ Two days International Conference on “Recent Challenges and Opportunities in Engineering” organised by College of Technology and Engineering , Jaipur, on March 13, 14, 2021.
- ✓ Two days educational summit on “Outcome Based Education and NAAC” organised by IQAC MIT and Mastersoft.
- ✓ ATAL online FDP on “Instructional Design for Effective Teaching” from July 5 to 9, 2021.

Contributions at MIT, Aurangabad

- ✓ Worked as a member of committee for rain-water harvesting of MIT Campus.
- ✓ Completed assessment of Jalyukta Shivar Abhiyan works in three villages near Aurangabad under Unnat Maharashtra Abhiyan with IIT Bombay. Stood second in the Maharashtra State.

Personal Details

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