

CURRICULUM VITAE

Name: Dr. Ajaykumar Ramdas Kambekar

Date of Birth: 05th Nov. 1969, Citizenship: **India,**

Marital Status: Married

Present Office Address

Dr. Ajaykumar R. Kambekar
Associate Professor, Department of Civil Engineering,
Former Dean Academics/Head Civil Engineering
Department and Chairman PG Programmes, BVB's, Sardar Patel
College of Engineering, Andheri (West), Mumbai, 400 058,
Maharashtra, India (www.spce.ac.in)
Phone: +91-22-26232192 or 26289777-Ext: 224,
91-9224306150 (Mobile)
Fax: +91-22-26237819
E-mail : arkambekar@gmail.com
a_kambekar@spce.ac.in



Academic Qualification: DCE, B.E. (Civil), M.Tech. (Civil-IITB), Ph.D. (Civil Engg.-IITB), MDP.

IIM Indore.

- **2013** Management Capacity Development Program at Indian Institute of Management Indore IIM Indore.
- **2007-2010**
Doctor of Philosophy in Civil Engineering from Indian Institute of Technology (IIT) Bombay India.
- **2000-2002**
Master of Technology in Civil Engineering (Offshore Engineering) from Indian Institute of Technology (IIT) Bombay India.
- **1988-1991**
Bachelor of Civil Engineering from College of Engineering and Technology, SGB Amravati University, Maharashtra, India.
- **1985-1988:**
Diploma in Civil Engineering, Dr. P.D. Polytechnic (Government Aided) Amravati Maharashtra, India
- **Research work 2007-2010 :** Ph.D. (Civil Engineering)
Thesis title “Wind Wave Simulation and Forecasting using Artificial Intelligence Techniques”. (Genetic Programming, Model Trees, Numerical methods) Study Area: Arabian Sea, Indian Ocean, Bay of Bengal, shallow and deep water locations.
- **2000-2002:** M. Tech. (Civil Engineering)
Thesis title “Estimation of Pile Group Scour Using Neural Networks” Study Area: Research Piers at Pacific coast of Japan, piers are constructed in 1969. Observation between 1984 to 1989 is used for Scour depth estimation around research piers.

Research Areas:

- Ocean Engineering (Wave Hydrodynamics, Ocean and Coastal structures, Soft Computing, AI), Hydraulics and Hydrology (Soft Computing AI, Statistical and stochastic Analysis), Construction Management.

Google Scholar URL: <https://scholar.google.co.in/citations?user=SsPphcAAAAAJ&hl=en>

ResearchGate: [URL:https://www.researchgate.net/scientific-contributions/A-R-Kambekar-2150802259](https://www.researchgate.net/scientific-contributions/A-R-Kambekar-2150802259)

LinkedIn URL/Homepage: <https://www.linkedin.com/in/ajaykumarkambekar/?originalSubdomain=in>

SSRN profile of the editor: https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=3448167

<https://orcid.org/>: <https://orcid.org/0000-0001-5915-4299>

- **Works Experience: Dr. Ajaykumar Ramdas Kambekar (AICTE faculty ID:1-478058183)**

Experience Type	Name of the institute/Industry	description
Teaching/ Research	SPCE Andheri (West), Mumbai University of Mumbai	<ul style="list-style-type: none"> • 6th August 2003 to 21 May 2015 (Assistant Professor) = 12 Yrs. • 22nd May 2015-till date (Associate Professor) = 10 Yrs.
	KES NNP Engineering College Pen-Raigad (Mumbai University)	1996-2003 (Lecturer/Assistant Professor) = 5 Yrs.
	I.O. Polytechnic Akola Maharashtra	1991-1996 (Lecturer)= 5 Yrs.
Total experience		Total = 32 Years

Position held in the Past and current

- Member Research and Recognition Committee (RRC) Institute of Chemical Technology (ICT) Mumbai Maharashtra, India from March 2025 onwards....
- Member Board of Studies (BOS) of Civil Engineering, Mumbai University (01 September 2022 to 31st August 2027) nominated by the Hon. Vice-Chancellor of the Mumbai University.
- Member Board of studies (BOS) Civil Engineering: DBATU Lonere Raigad (State Technical University) 2016...
- Member Board of studies (BOS) Civil Engineering: SVKMs NMIMS MPSTME Mumbai (Deemed University) 2015....
- Member Board of Studies (BoS) Department of Civil Engineering SVKM NMIMS Global University, Dhule, Maharashtra (Since April 2025.....)
- VC Nominee as a Member Board of studies in Civil Engineering St. John College of Engineering and Technology Palghar Mumbai University June 2024 to June 2027.
- Member Board of studies (BOS) Civil Engineering: Mahatma Education Society's PITLAI HOC COLLEGE OF ENGINEERING & TECHNOLOGY, Pillai H0CL Educational Campus, HOC Golony, Rasayani, Via. Panvel, Dist. Raigad, (AUTONOMOUS), University of Mumbai with effect from 2025-26 to 2027-28.
- Member Internal Quality Assurance Cell (IQAC), Sardar Patel College of Engineering Mumbai
- Member National Education Policy (NEP2020) implementation cell Sardar Patel College of Engineering Mumbai

- Member Board of studies (BOS), Civil Engineering, Mumbai University: from the year 2017 to year 2027.....
- Chairman PG Section SPCE Mumbai (Autonomous): 14th January 2019-2022
- Research Committee member Civil Engineering: DBATU Lonere, Raigad: 2018.....
- Member Academic Audit Committee (CED): DBATU Lonere, Raigad, Maharashtra, Jan.2019.
- Dean Academics at SPCE Mumbai (Autonomous) : 2015-2017
- Head of the Department Civil Engineering SPCE(Autonomous): Mumbai: 2017-2018
- Coordinator Academics SPCE Mumbai (Autonomous): 2012-2015
- Coordinator Ph.D. programme in Civil Engineering: 2015 onwards
- Coordinator PG Construction Management programme at SPCE Mumbai: 2013-2015
- Member Academic Board (Autonomous): SPCE Mumbai
- Member Board of studies (BOS) Civil Engineering SPCE Mumbai: 2011 onwards
- Coordinator Unnat Bharat/Maharashtra Abhiyan: SPCE Mumbai.2016...
- Member Board of studies (BOS) Civil Engineering: DBATU Lonere Raigad (State Technical University) 2016...
- Member BOS Civil Engineering: SVKMs SBM Polytechnic Mumbai (Government Aided)
- Advisory Board member: SSJCET Asangaon Dist. Thane (Mumbai University)
- Advisory Board member Civil Engineering: TCET Mumbai (Mumbai University)
- Member NBA report preparation committee SPCE Mumbai
- Academic officer/Member: TEQIP-II SPCE Mumbai
- Ph.D. PET paper setters panel member: University of Mumbai
- Students Mentor: IITB Alumni Students mentorship programme Cell.
https://www.iitb.ac.in/dsce/wie/startup_bootcamp.html
- Committee Member (Infrastructure Planning, Execution and Maintenance Department): for review and inspection of the construction work in Fort and Kalina Campus of University of Mumbai (appointed by the Hon'ble Vice Chancellor of University of Mumbai) (Ref: CDU/01-COVID/2155of 2020-21, dated 09-02-2021).
- Conveyer/Team Leader (January 2020~): To carry out assessment of Work, Time and Motion study of Employment Guarantee scheme (EGS) in the state of Maharashtra work allotted to SPCE Mumbai by the Joint Commissioner MGNREGA Commissionarate Nagpur, Maharashtra (Ministry of Rural Development; Government of India).
- Member Research Committee Civil Engineering, Amity School of Engineering & Technology, Amity University Mumbai
- Member SPCE committee on "Study on feasibility e-learning for engineers, with a vision of creating employable workforce"..
- Member Oxygen status verification committee (April-May 2021) of Covid Hospitals in Mumbai Maharashtra (Task force member), appointed by Government of Maharashtra, Office of the Hon. Collector Mumbai city, and Director of Technical Education Maharashtra.
- Chairman PhD in Civil Engineering defense examination committee appointed by University of Mumbai for the candidate Karthik Nagarajan and Supervisor: Dr. S. K. Ukarande.
- Chairman PhD in Civil Engineering defense examination committee appointed by University of Mumbai for the candidate Pravin Vinayak Desai and Supervisor: Dr. S. K. Ukarande.
- Member: Scrutiny Committee AICTE in connection with the desired changes of Existing Institute under North-West Co-ordination Centre, AICTE, HQ-Delhi.
- Chairman: AICTE Committee Meeting WR office AICTE Mumbai.
- Honorary Advisor for Technical Solutions on Sustainability Initiatives at ISKCON-Govardhan Eco-Village Palghar <https://ecovillage.org.in/sustainability-new/>
- BOS Member for Civil Engineering Department, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal Maharashtra (Sant Gadge Baba Amravati University, Amravati, Maharashtra)

- External Academic Auditor – Department of Civil Engineering, Pimpri Chinchwad College of Engineering (PCCOE), Nigdi, Pune (NBA Accredited | NAAC Accredited with 'A' Grade | An Autonomous Institute | AICTE Approved | ISO 21001:2018 Certified | Permanently Affiliated to SPPU, Pune)

- **Referee/Reviewer (International Journals)**

- Ocean and Coastal Management, Elsevier
- International Journal of Construction Management, Taylor & Francis
- Advances in Engineering Software, Elsevier Science.
- Pipeline Systems-Engineering and Practice, ASCE.
- Science of the Total Environment, Elsevier.
- Modelling and Simulation, Actapress.
- Computers and Applications, Actapress.
- Journal of Hydrology, Elsevier Science.
- Clean- Soil Air Water, Wiley VCH.
- Water Resources Management, Springer.
- Water Science and Technology, IWA Publishing.
- Hydrological Science and Technology (IJHST)
- Earthquake and Structures.(Techno-Press Korea)
- Journal of advances in Civil Engineering (Hindawi Publishing Corporation)
- International Journal of Sustainable Built Environment, Elsevier
- Advances in Environmental Research, *An International Journal* (Techno-Press Korea).
- Journal of Earth System Science (Springer)
- World Research Journal of Civil Engineering (Bioinfo Publication)
- ISH Journal of Hydraulic Engineering Taylor and Francis.
- Referee of a Young Innovator award in Engineering by Zee 24 Tass Marathi Channel.
- Journal of Soft Computing in Civil Engineering.
- African Educational Research Journal, Delta State, Nigeria
- Journal of Offshore Structure and Management, [STM Journals India](#)
- Recent Trends in Civil Engineering & Technology, [STM Journals India](#)
- [TULPAR Academic Publication](#) “Challenge journal of Structural Mechanics” Turkey
- Innovative Infrastructure Solutions (IISS): Springer
- Nanyang Academy of Sciences (<http://ojs.nassg.org/>) Journal of Sustainable Marine Structures, Singapore.
- Journal of Indian Association for Environmental Management (<http://op.niscair.res.in/index.php/JIAEM>)
- Defence Science Journal, Ministry of Defence, Metcalfe House, Delhi-India

Special achievement

Published paper titled “Estimation of Pile Group Scour Using Neural Networks” published in Elsevier Journal (U.K.) Journal of Applied Ocean Research. 25 (2003) 225-234 is selected in Top ‘25’ Hot papers in 2003 in the Journal. The same paper has citations in the “Scopus” and Web of Science”

H-index: <https://scholar.google.co.in/citations?user=SsPphcAAAAAJ&hl=en>

Citation/indices	All
Citations	524
h-index	8
i10-index	8

Member Scientific advisory committee

- Collaborative research/Guidance/Research Projects on Prediction of durability of concrete with sustainability in coastal region in association with Monash College Monash University, 49 Rainforest Walk Clayton VIC 3800 Australia
- Advisory Board member on Meteorology Hydrology and Water Management MHWMM Editorial Office: Institute of Meteorology and Water Management – National Research Institute Podlesna 61, 01-673 Warsaw, Poland (www.mhwm.pl/Advisory-Board,660.html)
- Technical advisory board member (2021): Online International Conference Sustainable Water Resources Development and Management (SWARDAM-2021) 8-9 March, 2021 at GCOE Aurangabad Maharashtra India, Technical Education Quality Improvement Programme, (TEQIP- Phase III), In Association With Ujjain Engineering College, Ujjain, (M.P.), (Under TEQIP-III-Twinning Activity). Indian Society for Hydraulics (Aurangabad Local Centre) Indian Water Resources Society, (Aurangabad Local Centre).
- Editorial Board member: **International Journal on "Sustainable Marine Structures" published by Nan Yang Academy of Sciences (NASS), Singapore.** ISSN: 2661-3158, (Online), <http://ojs.nassg.org/index.php/sms/about/editorialTeam>, <http://ojs.nassg.org/index.php/sms/index>
- Reviewer: International Conference on Technological Advances in Climate-Smart Agriculture and Sustainability at Nanded 16-18 January, 2017. (Organizers: SGGSJET Nanded, SRTMU Nanded, CUNY-CREST, Institute, New York, USA, Institute for Global Agriculture and Technology Transfer (IGATT), Colorado, USA., Crave InfoTech, New Jersey, USA.)
- Reviewer and member international scientific advisory committee, 2018 International Conference on Civil, Architectural and Environmental Engineering (ICCAEE 2018) www.iccaee.net Wellington, New Zealand on Dec 10-12, 2018.
- Editorial board member: "Journal of Offshore Structure and Technology" (<http://stmjournals.com/tech/>).
- Editorial board member: "Journal of Water Resources Engineering and Management" (<http://stmjournals.com/tech/>).
- Member Scientific Committee and Editorial Board, "World Academy of Science, Engineering and Technology", (<https://www.waset.org/EngineeringandPhysicalSciences.php?page=97>)
- Editorial assistance "ISH Journal of Hydraulic Engineering" Volume 15, Issue 2, 2009. (<http://www.tandfonline.com/doi/abs/10.1080/09715010.2009.10514954>)
- Reviewer for the 3rd International Conference on Civil, Architectural and Environmental Engineering (ICCAEE 2020), www.iccaee.net, Christchurch, New Zealand on Nov. 23-25, 2020
- Reviewer and the Member international scientific advisory committee, 2018 International Conference on Civil, Architectural and Environmental Engineering (ICCAEE 2018) www.iccaee.net Wellington, New Zealand on Dec 10-12, 2018.
- Member INTERNATIONAL ACADEMY OF SCIENCE AND ENGINEERING FOR DEVELOPMENT (IASSED) Hongkong www.iased.net
- Overall coordinator "International Conference" on "Recent Advances in Engineering, Technology and management" at SPCE Mumbai May 31st – June 02nd, 2012.
- Member Joint Research work: IITB-SPCE-VJTI and TDSC IITB for Joint research on water sector to study all aspects of rural water supply, i.e. regional, planning and

governance issues, socio-economic issues, best practices in PWS design, groundwater and others.

- Member/Reviewer Scientific advisor board, International Conference on “Sustainable Water Resources Development and Management”, SWARDAM-2021 during 8-9 March, 2021 organizing by Department of Civil Engineering, Government College of Engineering Aurangabad, Maharashtra State, India.
- Chaired Session during 18th International Conference on Civil and Geological Engineering held at Wien, organized by International scientific committee; World academy of science, Engineering and Technology (WASET) at Vienna Austria June 16-17, 2016.
- Committee member of 2015/2016 Global Students Paper Competition of Journal of Ocean Engineering and Science (Elsevier).

Patent filed/Submitted

<u>Sr. No.</u>	<u>Investigators</u>	<u>Title</u>	<u>Registration Number</u>	<u>Status</u>
1	1. Sheetal Yogesh Chaudhari (SPIT) 2. Mahesh Shirole (VJTI) 3. Ajaykumar Ramdas Kambekar (SPCE)	B-Quali-Port: Development of A Block chain-based System for Lifelong Learning Passport of Higher Education in Alignment with National Education Policy 2020 of India	202421061948 Dated 15 th August 2024	In Process
2	1. Dr. Suman Rawat Joshi (WISE-PDF DST SPCE) 2. Dr. A. R. Kambekar (Mentor WISE-PDF-DST-SPCE) 3. Dr. Kothyari (Associate Professor University of Petroleum and Energy Studies Dehradun) 4. Dr. Prabha Joshi (Assistant Professor AIKTCE Mumbai University)	Landslide Prediction Device with Integrated Energy Harvesting System	202521043034 Dated 03 rd May 2025	In Process

Research Project submission for grants

<u>Sr. No.</u>	<u>Investigators</u>	<u>Title/Cost</u>	<u>Funding Agency</u>	<u>Status</u>
1	Sheetal Yogesh Chaudhari (SPIT) Mahesh Shirole (VJTI) Ajaykumar Ramdas Kambekar (SPCE)	Development of protocol for Academic Credits and Learning Records management in alignment with NEP2020 using Block Chain technology (Approx. Cost 20,00,000/-)	Rajiv Gandhi Science and Technology Commission Government of Maharashtra	Applied

PhD/DST-PDF Guidance (PhD guidance = 03 Completed/ 01submitted, DST-PDF=01 in progress, PhD in progress=02)

- **Post Doctoral Fellow** (Mentorship-Department of Science and Technology (DST)-Government of India Project) **PDF**: Receipt of Grant under Research & development- Department of Science and Technology (DST), Ministry of Science & Technology, Government of India as a mentor under "Women in Science and Engineering" (WISE-PDF scheme)-Earth and Atmospheric Sciences. Project tile: Structural control of landslides between Lonavala and Pune along Mumbai Pune expressway: Implication to Neotectonic Deformation: Principal Investigator: Dr. Suman Rawat (PDF) and Dr. A. R. Kambekar (Mentor)
- **PhD Completed**: Viren B. Chandanshive (2023): Prediction of an Early-Stage Construction Cost of Building Projects Using Artificial Intelligence Techniques (University of Mumbai)
- **PhD Completed**: Chakraborty Sudipta Sea Level Rise due to Climate Change and Its Impact along the Coast of Mumbai (The Assam Royal Global University, Guwahati. Assam as a Co-Guide).
- **PhD Completed**: Shweta A. Patil (2025-QIP) Flood hazard mapping and floodplain zoning using hydrological simulation model (University of Mumbai)
- **PhD Synopsis Submitted**: Supriya Siddharth More (2021-2025) Prediction of durability of concrete with sustainability in coastal region using artificial neural networks and experimental studies

Thesis Supervision: PG / Ph.D. –DST-PDF in Civil Engineering

Name of the University	ME/M.Tech/PhD	Date of Approval	Student Guided	Students Under Guidance
Mumbai	Ph.D. Teacher In Civil Engineering	05 th October 2013	<u>03 completed + 01 Synopsis submitted</u> <u>Mumbai University</u> <ul style="list-style-type: none"> • 02 Completed • 01 Synopsis submitted • 01 Co-guided completed (The Assam Royal Global University Guwahati, Assam) 	02 in Progress
Mumbai	PG. Teacher M.Tech. in Civil Engineering with Construction Management and Structural Engineering	26 th July 2011	64 completed	04 in progress

PhD guidance in progress (02)

- Harshal Pathak: (2020~)
- Ashok Metie (2024~)

PhD Thesis Reviewer/ Examiner (Other Institutes):

- Referee, PhD Thesis“Design and Analysis of Flow over Inclined Weirs in Rectangular Open Channels”of student: Ananthayya M.B.and (MU/RE/PhD/2B1040/14 dated 13.10.2014) Manipal University, Karnataka, India

- Examiner for PhD thesis on “Physical and Numerical modelling of Bioremediation of Contaminants in **Ground water**” at NMIMS (Deemed University) Mumbai, Maharashtra India
- Examiner of PhD Thesis on Numerical Solution of Seawater Intrusion in **Stratified Aquifers** using Meshfree methods student: at NMIMS (Deemed University) Mumbai, Maharashtra, India.
- Examiner of PhD Thesis on Numerical Simulation of **Remediation of Groundwater** Contaminated with Radionuclide and Heavy Metal, at NMIMS (Deemed University) Mumbai, Maharashtra, India.
- Examiner of PhD Thesis on Water Resources Engineering/Structural Engineering at Amity School of Engineering & Technology, Amity University Mumbai, Maharashtra, India
- Examiner of PhD Thesis on Impact of **land use and land cover on reservoir Sedimentation**, Ph.D. THESIS Submitted to the Savitribai phule pune university, Pune- 411007, Maharashtra, India
- Examiner of PhD Thesis on Drought Prediction Submitted to the Punyshlok Ahilyabai Holkar Solapur Univesrity, Maharashtra, India.
- Examiner of PhD thesis on Effect of Climatic Condition on Health of Residential Buildings in Marathwada Region” of Dr. Babasaheb Ambedkar Marathwada University Chharapati Sambhajinagar Maharashtra, India
- Examiner of PhD Thesis on “A Modern Deep Learning Approach to Develop a Model for Predicting Air Quality & Analysing Air Pollution” submitted by Mrs. Khedekar Sneha Purushottam to the Savitribai phule pune university, Pune- 411007, Maharashtra, India January 2025.
- Examiner of PhD Thesis on “Computational investigation of the flood on a reinforced concrete highway bridge” Thesis Submitted to Shivaji University, Kolhapur Mr. DIGAMBAR BALASAHEB PATIL March 2025.
- Examiner for the Thesis Evaluation of the thesis submitted by NIKHIL SHRIHARI BEMBADE titled “Linear and nonlinear performance of concrete filled double steel tubular columns” for the Degree of Doctor of Philosophy (PhD) in the subject of Civil Engineering of Shivaji University, Kolhapur (Faculty of Science and Technology)
- External examiner for examining the thesis for Degree of Doctor of Philosophy (Ph.D.) in the subject of Civil Engineering titled “Evaluation of Seismic Performance of R. C. Elevated Water Storage Tanks” submitted by Mr. Chetan J. Chitte to the Amity University, Mumbai, Maharashtra.

External examiner for Master’s and PhD Thesis

- Manipal University, Karnataka, India
- Water Resources Engineering/ Ocean Engineering at IIT Bombay (Masters Dissertation)
- Punyshlok Ahilyabai Holkar Solapur Univesrity Solapur Maharashtra
- Sant Gadgebaba Amravati University
- Dr. Babasaheb Ambedkar Marathwada University Chharapati Sambhajinagar Maharashtra, India
- Shivaji University Kolhapur, Maharashtra
- Water Resources Engineering/ Construction Management at VJTI Matunga Mumbai, India.
- Water Resources and Environmental Engineering at Pune University (VIIT Pune).
- Construction Management/Water resources Savitribai Phule Pune University.
- Amity School of Engineering & Technology, Amity University Mumbai
- NMIMS (Deemed to be University) MPSTME Mumbai: Ground Water Hydrology/ WRE

No. of PG Guidedat SPCE Mumbai = 61Completed

1. Shailesh H. Kajrekar (2012-PTDC): Redevelopment or retrofitting of old buildings –Pros and Cons. (Date of Examination: 04/12/2012).
2. Asif Musa Shaikh (2012-PTDC):Systematic approach of sewer maintenance and asset management with the help of Geographical Information System (Date of Examination: 04/12/2012).
3. Sandip Aba Haldive (2013-PTDC): Experimental study on combined effect of fly ash and pond ash in concrete (Date of Examination: 20/04/2013).
4. Uday S. Chavan (2013): Performance of concrete using natural and crushed sand along with mineral admixtures (Date of Examination: 03/08/2013).
5. Mukul W. Wankhade(2013): Prediction of compressive strength of concrete using artificial neural network (Date of Examination: 03/08/2013).
6. Aniket S. Shukla (2013): Working of prefabricated vertical drains-A case study
a. (Date of Examination: 23/08/2013).
7. Parag Bhamre (2013): Contracts Management in Infrastructure Sector (Date of Examination: 16/09/2013).
8. Zaid A.K.Malkani (2013): Human Resource Management in Construction Industry (Date of Examination:16/09/2013).
9. Sandip Bhattacharya (2013): Rainwater harvesting system planning and design for residential complex. (Date of Examination: 21/09/2013).
10. KetkiS. Kamble (2013-PTDC): Analysis of factors contributing delays and claims in construction projects (Date of Examination: 20/12/2013).
11. Krishna Joshi (2013-PTDC): Optimization of Energy in public building.(Date of Examination: 20/12/2013).
12. ReezaR. Shaikh (2014): Time and Cost Management in Construction Project. (Date of Examination: 21/07/2014).
13. TejashreeS. Chavan (2014): Forecasting productivity of human resource in building construction using artificial neural network. (Date of Examination: 21/07/2014).
14. VirenChandanshive (2014): Prediction of early stage construction cost of building using artificial neural network. (Date of Examination: 21/07/2014).
15. Ashish J. Velani (2014): Applications of Value Engineering Techniques in Residential Building Construction. (Date of Examination: 24/07/2014).
16. Digvijay B. Lokhande (2014): Design and Development of Graphical User Interface for Rate Analysis of Building Construction Using Visual Basic (Date of Examination: 03/09/2014).
17. SujitJ. Amritkar (2014-PTDC): Critical analysis of seepage grouting for water supply tunnel in Mumbai(Date of Examination: 04/09/2014).
18. Sudip Ray (2014-PTDC): An integrated approach on life cycle analysis and life cycle costing for decision making in sustainable construction industry (Date of Examination: 15/09/2014).
19. Sumit Padwal (2015): Life Cycle Cost Analysis of Proposed Transit Camp Building In Mumbai City (Date of Examination: 20/02/2015).
20. Pratibha D. Singh (2015):Assessing impact of sea level rise on Mumbai city using GIS (Date of Examination: 29/07/2015).
21. Aditya D. Ahirwar(2015): “Cost Optimization Using Life Cycle Costing For Commercial Building”. (Date of Examination: 29/07/2015).
22. Bhagyashri V. Sawant (2015): Prediction of Compressive Strength of Concrete using Machine Learning Techniques. (Date of Examination: 03/08/2015).
23. Nikita J. Kalantri (2015): Effective Planning for a Smart Sustainable Cities-A case study. (Date of Examination: 08/12/2015).
24. Ankit P. Pusadkar (2016)” “Office Automation in Construction Management Using Data Visualization Environment” (Date of Examination: 30/05/2016).
25. Mane Nishant Sanjay (2016): “Assessment of rural pipe water supply scheme: a case study” (Date of Examination: 15/11/2016).

26. MukadamPrajakta Vijay (2016): “Monitoring and evaluation of regional rural pipe water supply scheme” (Date of Examination: 15/11/2016).
27. Pawar Amol T. (2016): “Drinking water Security Assessment in Mokhada Taluka, Palghar District Maharashtra” (Date of Examination: 21-01-2017).
28. Mitesh A. Phadtare (2016): “Analysis of Factors Affecting Selection of Vertical Formwork system using Fuzzy Logic” (Date of Examination: 23-01-2017).
29. Mohd. Shoyeb Ansari (2017): “Development of Probabilistic Methodology for evaluating Pavement Condition Index for Rural Roads”, (Date of Examination: 05-08-2017).
30. Pradeep Sanjay Kothawade (2017) “Assessment of Pavement Condition and Prioritization of Rigid Pavements for maintenance in Rural Areas”, (Date of Examination: 05-08-2017).
31. Samiksha A. Patil (2017): “Establishing Long Term Maintenance Strategy and Budget for Existing flexible Pavement Network Using Life Cycle Costing”, (Date of Examination: 05-08-2017).
32. KambleAnandSomnath (Reg. No.C1651015): “Infrastructure asset management of existing water supply scheme using life cycle cost analysis in rural area” (Date of Examination: 27-08-2018)
33. Joshi GeetanjaliMukund (Reg. No.C1651003) : “An integrated approach on life cycle assessment (LCA) and life cycle costing (LCC) for storm water drainage design of a national highway project” (Date of Examination: 27-08-2018)
34. Sapresh Prakash Kamble, (Reg. No.C1651009): “Assessment,design and economic analysis of hydraulic structures in Rural area”(Date of Examination: 27-08-2018)
35. Amol ZanakJadhav (Reg. No.C1651007): Assessment and productivity enhancement of water storage structures in Rural area: (Date of Examination: 27-08-2018)
36. Aanand Singh (Reg. No.:C1751013): Financial Risk Assessment of Public Private Partnership Project. (Date of Examination: 23-07-2019)
37. Kadam Shubham Vilas (C1751009) : Multimodal integration and Strategic Planning for the proposed Dahisar metro Station. (Date of Examination: 23-07-2019)
38. Ketaki H. Zambre (Reg No. 1751018): Planning for demand identification and system design for rural infrastructure, (Date of Examination: 16-08-2019)
39. Yogesh DilipPatil (C1751005): “Anatomy of construction claims” (Date of Examination: 16-08-2019)
40. Shubham R. Giri: (M.Tech. Structural Engineering) Aerodynamic and Hydrodynamic Study of Offshore Wind Turbine Foundation (Date of Examination: 13-09-2019)
41. Ms. Dhruti Bawaskar (Reg.No. C1851009): Hydrological And Hydraulic Analysis With Life Cycle Costing Of A Road Project (Date of Examination: 05-09-2020)
42. Pawle Md. Umar Ravish (Registration No.: C1851006): Applications of Multi-Criteria Decision Making (MCDM) in Rural Infrastructure Development (Date of Examination: 05-09-2020)
43. Mukul Binu Patel (Registration No: C1851015): Multi-Criteria Decision Analysis in Infrastructure Development (Date of Examination: 04-09-2020)
44. Giri Devanand Murlidhar (Registration No: C1851016): Planning for Mumbai metro station with focus on road safety audit (Date of Examination: 17-09-2020)
45. Jamnagarwala Ebrahim Mustansir (Reg. No:C1851003): Time Duration Analysis & Estimation Model for Construction of Mumbai Metro Projects (Date of Examination: 25-09-2020)
46. Swapnil Wazulkar (C1951016): Planning for mobility and sustainable development in urban infrastructure (Date of Examination: 04-10-2021).
47. Sriram Deshmukh (No-C1951006): Prediction of cost overruns in infrastructure project (Date of Examination: 11-10-2021).
48. Rohit Pandhare (Reg. No.:C1951010) Decision making in rural infrastructure development, (Date of Examination: 29-10-2021).
49. Ritesh Pradip Kamble (Reg. No: C1951009) Management of Construction Defects And Human Resources In Real Time, (Date of Examination: 30-10-2021).

50. Khan Irfan Tufail Ahmed (Reg. No.:C1951013) Planning for Efficient Urban Transport System with Multi-Modal Integration (Date of Examination: 30-10-2021).
51. Pooja Lad Registration Number C2052001 Parametric study, Investigation and Design of Water Distribution Structure Using Latest IS-3370 (Date of Examination 08-10-2022)
52. Rohan Awate (Registration No. C2052001) Fatigue Analysis of Jack-Up Mobile Offshore Drilling Unit converted to Mobile Offshore Production Unit (Date of Examination 08-10-2022)
53. Devyani Shirule (C2051016) Application of Robotics in Construction Industry (Date of Examination 28-11-2022)
54. Ms. Mayuri Vinod Raut (C2051013) Planning for dynamic construction site layout and safety consideration in infrastructure project (Date of Examination 28-11-2022)
55. Abhishek Milind Vaidya (Reg. No. : C2051020): The economic feasibility of Waste minimization of Construction Waste material (Date of Examination: 08-12-2022).
56. Tanmay Ananda Kumbhar (Reg. No.: C2051009): Integration of Multimethods and Techniques to Improve Safety Management in Infrastructure Construction (Date of Examination: 08-12-2022).
57. Omkar Appasaheb Patil (C2151008): Performance Monitoring of Construction Projects (Date of Examination: 24-July-2023)
58. Khushram Budhram Yadav (C2151012): A comparative analysis of the life cycle cost of cement concrete and asphalt road (Date of Examination: 24-July-2023).
59. Bryson Mahendra Patil (Reg. No: C2251009): Material Management For Shore Piling In High-Rise Building (Date of Examination: 28-08-2024).
60. Upendra Pravin Solaskar (C2251017): Risk Assessment and Mitigation for Refinery Project (Date of Examination: 02-09-2024).
61. Chinmay Vasant Thakur (C2251018): Resource Management for Highway Flyover Project (Date of Examination: 28-08-2024).
62. Amol Sambhaji Bodke (Reg. No.: C2351002): Analyzing effects of work condition on labour productivity in construction of high rise building (Date: 11-07-2025)
63. Hrishikesh A. Patil (Reg. No.: C2351010): Comprehensive Analysis Of Factors Contributing To Delays In Construction Projects (Date: 11-07-2025).
64. Sunay Chavan (C2351003) Financial Analysis of On-site Concrete Batching Plant for Construction Project (Date: 04-08-2025)

No. of PG students in progress = 04 (2025-16)

- Ajinkya Auti (M.Tech. Structural Engineering)
- Krutika Sawant (M.Tech. Construction Management)
- Vedant Sawant (M.Tech. Construction Management)
- Mandar Warambhe (M.Tech. Construction Management)

International Travel (Abroad): Countries visited

USA	<ul style="list-style-type: none"> • Presented research paper during ASCE International Workshop on Computing in Civil Engineering, Austin, Texas, June 24-27, 2009, pp. 398-409.
Japan	<ul style="list-style-type: none"> • IAESTE students exchange for research work at Taisai corporation Tokiyo through IIT Bombay India January-March 2009
Austria	<ul style="list-style-type: none"> • Chaired session and presented research paper during 18th International Conference on Civil and Geological Engineering held at Wien, organized by International scientific committee; World academy of science, Engineering and Technology (WASET) at Vienna Austria June 16-17, 2016
Poland	<ul style="list-style-type: none"> • Personal visit to Brahmakumaris (BK) Warsaw Poland June, 2016, attended International Yoga Day on 21 June 2016 at Warsaw Poland

Conference Organized

Overall Coordinator, International Conference on “Recent Advances in Engineering, Technology and Management” in Civil and Structural Engineering during 31st May to 02nd June, 2012 at Sardar Patel College of Engineering, Andheri (West), Mumbai.

Research Publications

Lecture Notes (01)

2012-13

- **A R Kambekar** and M.C. Deo (2012), “Applications of Artificial Intelligence Techniques in Simulation and Forecasting of Wind Wave” Proceedings of QIP short term course on “Coastal Processes and Modeling”, pp. Part III 1-12. March 19th-23rd, 2012 at IIT Bombay, Powai, Mumbai.

2021-22 Book Chapter (E and print)

- Pawle Md. Umar Ravish and co authored by A. R. Kambekar: "A Multi-criteria Based Analysis for Prioritization of Solid Waste Treatment Methods for Rural Areas" is published as a book chapter (Springer Publications) in a book titled "Design Science and Innovation in Rural Technology Development and Delivery", eBook ISBN, 978-981-19-2312-8 and Print ISBN 978-981-19-2311-1.

2017-18 E-book chapter

- Pratibha D. Singh and **A.R. Kambekar (2017)** : “Assessing Impact of Sea Level Rise Along the Coastline of Mumbai City Using Geographic Information System” Proceedings of the National Conference on Sustainable Built Environment, held at IIT Roorkee(2015) now published in an e-book by [Springer Transactions in Civil and Environmental Engineering](https://www.springerprofessional.de/en/rural-technology-development-and-delivery/16890570), titled “Understanding Built Environment” © 2017 Editors: Seta, F., Biswas, A., Khare, A., Sen, J. (Eds.), e-book, ISBN 978-981-10-2138-1. <https://www.springerprofessional.de/en/rural-technology-development-and-delivery/16890570>

2020-21

- Dr. A. R. Kambekar (Edited and preface): For a book titled “**Sea Level Rise, Are we Ready**” authored by Chakraborty Sudipta published in Kindle and Amazon (e-Book). <https://www.amazon.in/Sea-Level-Rise-Are-Ready-ebook/dp/B08KYKH2NB> ISBN-13 : 979-8695608861

Research publications in International Journal Publications

2025-26

- Suman Rawat Joshi, **A. R. Kambekar** (2025): "Structural evolution of Deccan Traps, in Western India: Implication to paleostress Analysis" (Manuscript Submitted)

2024-25

- Suman Rawat Joshi, **A. R. Kambekar**, G.C. Kothiyari and Prabha Joshi (2025): “**Morphostructural analysis of Deccan volcanic province of Western Maharashtra: Implication to Neotectonic activity Bottom of Form**”, Springer Journals of Spatial Information Research (Submission ID:SPIR-D-25-00227-Paper submitted-**Under Review**)
- Supriya S. More and **A. R. Kambekar** (2025): “Applications of Artificial Neural Network (ANN) in Prediction of Compressive Strength of Concrete” Journal of Stochastic Modelling &

Computational Sciences ISSN: 2752-3829. (UGC CARE Group - II Listed Journal)-**Accepted for Publications**

- Supriya S. More and **A. R. Kambekar** (2025): “Prediction of Water permeability of concrete using Artificial Intelligence Technique”, "Computers and Concrete, An International Journal", Paper ID: CAC46680X, <http://www.techno-press.com> (**Under Review**)
- Supriya S. More and **A. R. Kambekar** (2025): “Performance evaluation of compressive strength of concrete using different machine learning algorithms” Challenge Journal of Concrete Research Letters, <https://www.challengejournal.com/index.php/cjcr>, ISSN: 2548-0928, DOI: 10.20528/cjcr, Abstracted & Indexed by Scopus. (**accepted for publication**)

2022-23

- Chakraborty Sudipta, **A. R. Kambekar**, & Sarma Arnab (2022) A Contemporary Review on Geoengineering Techniques for Mitigation of Accelerated Rise in Global Sea Level in the Past Eight Hottest Years International Journal of Environment and Climate Change, Volume 13, Issue 8, Page 553-561, 2023; Article no.IJECC.99971, ISSN: 2581-8627, (Past name: British Journal of Environment & Climate Change, Past ISSN: 2231-4784)
- Patil S, **Kambekar AR** (2022) Floodplain Mapping Using Hydraulic Simulation and Geographic Information System . Indian Journal of Science and Technology 15 (39): 2027-2036. <https://doi.org/10.17485/IJST/v15i39.1056> (P-ISSN 0974-6846 E-ISSN 0974-5645)
- Viren Bhikaji Chandanshive and **Ajay R. Kambekar** (2022): “Application of Artificial Neural Network in Construction Project Cost Estimation Modelling: A Review”, Journal: Probabilistic Engineering Mechanics, <https://www.sciencedirect.com/journal/probabilistic-engineering-mechanics>

2021-22

- Chakraborty Sudipta, A. R. Kambekar, & Sarma Arnab (2022): “Influence of Ice Mass Balance Instability on Climate Change Induced Sea Level Rise” accepted for publication in Volume 22 Issue 1 of ' London Journal of Engineering Research', London Journals Press, 1210th, Arlington Business Park, Theale RG7 4TY, United Kingdom... ISSN (Print) ISSN 2631-8474 (Online) ISSN 2631-8482
- Shweta A. Patil and **A. R. Kambekar** (2021): “Unsteady flow modelling and effect of roughness on river stage forecasting” (HWM-00158-2021-01) accepted for publications in Journal of Meteorology Hydrology and Water Management, Institute of Meteorology and Water Management–National Research Institute, Podlesna 6101-673 Warsaw, Poland (<http://www.mhwm.pl/>)<http://www.mhwm.pl/Search/?s=kambekar>
- Chakraborty Sudipta, A. R. Kambekar and Sarma Arnab (2021): “Uncertainties in Prediction of Future Sea Level Rise Due to Impact of Climate Change”, Journal of Geography, Environment and Earth Science International 25(7): 16-27, 2021; Article no.JGEESI.70594 ISSN: 2454-7352 <https://journaljgeesi.com/index.php/JGEESI/article/view/30295>
- V.B. Chandanshive and A. R. Kambekar (2021): “Prediction of Building Construction Project Cost Using Support Vector Machine”, Industrial Engineering and Strategic Management Manuscript ID: IESM-2107-1015, <http://www.iesmj.com/journal/about> 10.22115/IESM.2021.297399.1015, http://www.iesmj.com/article_140643.html

2020-21

- Chakraborty Sudipta, Kambekar A. R., Sarma Arnab (2021): “Climate change and sea level rise in the last decade, from the perspective of goals set in the Paris agreement-an appraisal”, IMPACT: International Journal of Research in Engineering and Technology (IMPACT: IJREAT), ISSN (P): 2347-4599; ISSN (E): 2321-8843, Vol. 9, Issue 6, Jun 2021, 1-12. <https://www.impactjournals.us/index.php/archives/international-journals/international-journal-of-research-in-engineering-and-technology?page=32>

- Chakraborty Sudipta, Kambekar A. R., Sarma Arnab (2021): “Understanding ‘Glacial Geoengineering’: An Innovative Approach for Retarding the Sea Level Rise” Journal of Offshore Structure and Technology, ISSN: 2349-8986, Volume 8, Issue 1, 2021, DOI (Journal): 10.37591/JoOST <http://techjournals.stmjournals.in/index.php/JoOST/index>
- Chakraborty Sudipta, **Kambekar A. R.**, Sarma Arnab (2021): “Impact of Climate Change on Sea Level Rise Along the Coastline of Mumbai City, India” - International Journal of Marine and Environmental Sciences, Vol:15, No:6, 15(6), 164 - 170. 2021, World Academy of Science, Engineering and Technology waset.org/abstracts/129256 Open Science Index (Invited for Presentation at : International Conference on Sea Level Rise and Coastal Regions, London, United Kingdom, ICSLRRCR 2021, London, UK) <https://publications.waset.org/10012058/impact-of-climate-change-on-sea-level-rise-along-the-coastline-of-mumbai-city-india>

2018-19

- V.B. Chandanshive and **A. R. Kambekar (2019)**: “Estimation of building construction cost using artificial neural networks” Journal of Soft Computing in Civil Engineering, Article 6, Volume 3, Issue 1 - Serial Number 7, winter 2019, Page 93-115, (DOI: 10.22115/scce.2019.173862.1098), IRAN. http://www.jssoftcivil.com/article_89032.html
- Vishakha Halke, Purna waware, Karan Kasode, Mahesh kute, Tejas mhadse, Ketaki Zambre and A. R. Kambekar (2019): “Preliminary survey & shared vision of planning for a smart village” (2019), International Research Journal of Engineering and Technology, e-ISSN:2395:0056, p-ISSN:2395:0072 Volume: 06 Issue: 02 | Feb 2019 (<https://www.irjet.net/archives/V6/i2/IRJET-V6I2468.pdf>)

2014-15

- Aditya Ahirwar and **A.R.Kambekar (2015)**: “Cost Optimization Using Life Cycle Costing For Commercial Building” International Journal of Earth Sciences and Engineering, Indexed in Scopus, Compendex and Geobase Elsevier, Chemical Abstract Services-USA, ISSN 0974-5904. (www.cafetinnova.org).
- Viren B. Chandanshive and **A. R. Kambekar(2014)**: “Prediction of early stage construction cost of building projects using artificial neural network” International Journal of Scientific & Engineering Research, Volume 5, Issue 7, July-2014, pp. 453-463. ISSN 2229-5518.
- **A.R. Kambekar** and M.C. Deo(2014): “Real time wave forecasting using wind time history and genetic programming" special issue of “The International Journal of Ocean and Climate Systems”, Volume 5, Number 4, December, 2014. Pp.249-259. Multi-Science Publications, UK (ISSN 1759-3131), www.multi-science.co.uk.

2013-14

- Tejeshree Chavan and **A.R. Kambekar(2014)**“Forecasting productivity of human resource in building construction using artificial neural network” Special Issue of IMJ (Indore Management Journal) IIM Indore pp.156-169.
- **A. R. Kambekar** and Sudip Ray (2013) : "Total Life Cycle Cost Assessment of a Project by integration of LCA and LCC methods" International Journal of Civil Engineering and Applications, ISSN 2249-426X, Volume 3, Number 7, 2013. pp. 86-92.
- Krishna A. Joshi and **A.R. Kambekar (2013)**:“Optimization of energy in public buildings”, IJRET: International Journal of Research in Engineering and Technology eISSN: 2319-1163 | pISSN: 2321-7308, Nov-2013, <http://www.ijret.org>, pp. 423-427.
- Ketki S. Kamble and **A. R. Kambekar (2013)**: “Analysis of factors contributing delays and claims in construction projects”, IJRET: International Journal of Research in Engineering and Technology eISSN: 2319-1163 | pISSN: 2321-7308, Nov-2013, <http://www.ijret.org>, pp. 527-532.

- Ninad B. Bhalerao and **A. R. Kambekar** (2013): “Analysis and design of zero sewage discharge system for a model township”, *IJRET: International Journal of Research in Engineering and Technology* eISSN: 2319-1163 | pISSN: 2321-7308, Nov-2013, <http://www.ijret.org>, pp. 383-386.
- Zaid Malkani and **A. R. Kambekar** (2013): “Management of Human Resources in Construction Industry”, *International Journal of Engineering Research and Technology*. ISSN 0974-3154, Volume 6, Number 3 (2013), pp. 353-362. (<http://www.ripublication.com>), Publisher’s Impact Factor = 2.38.
- Aniket S. Shukla and **A. R. Kambekar** (2013): “Working of Prefabricated Vertical Drain-A Case Study” *International Journal of Innovative Research in Science, Engineering and Technology* (IJIRSET-Impact factor = 1.672), (ISSN: 2319-8753), (ISO 3297: 2007 Certified Organization), Vol. 2, Issue 8, August 2013, pp. 3675-3686, Paper ID: IJ2808081. (<http://ijirset.com>).

2012-13

- Wankhade M. W. and **A. R. Kambekar** (2013): “Prediction of compressive strength of concrete using artificial neural network” *International Journal of Scientific Research and Reviews* (IJSRR) 2013, 2(2), 11-26. (ISSN 2279-0543). (www.ijssr.org).
- S.A. Haldive and **A. R. Kambekar** (2013): “Experimental Study on Combined Effect of Fly Ash and Pond Ash on Strength and Durability of Concrete”, *International Journal of Scientific and Engineering Research*. (IF.1.4), Volume 4, Issue 5, May 2013, 81-86 (ISSN 2229-5518). (<http://www.ijser.org>).

2011-12

- **A R Kambekar** and M.C. Deo (2012), “Wave prediction using genetic programming”, *International Journal of Coastal Research*, CERF, Florida, USA, 28(1), 43-50. (IF=0.77).

2010-11

- **A R Kambekar** and M C Deo (2010): "Wave simulation and forecasting using wind time history and data driven methods", *International Journal of ships and Offshore Structures*, Taylor and Francis, Volume 5, Issue 3, September 2010, pages 253 – 266. (IF=0.183).

2002-03

- **Kambekar A R** and M C Deo (2003): "Estimation of pile group scour using neural networks", *Applied Ocean Research*, Elsevier, Oxford, UK, 25(4), 225-234.

Research publications in International Conferences/workshop/symposium

2024-25

- Supriya S. More and A. R. Kambekar (2025): “Prediction of Concrete Compressive Strength using Model tree” International Conference On Research & Innovative Perspectives in Engineering (ICRIPE-2025) Organized by Government College of Engineering, Nagpur (Maharashtra, India) in collaboration With Bureau of Indian Standard on 23rd-24th January 2025

2023-24

- Supriya S. More and A. R. Kambekar (2023): Experimental investigation of rapid chloride penetration test in concrete with various mix combinations in coastal environment International Conference on Condition Assessment, Rehabilitation & Retrofitting of Structures, (CARRS 2023), Department of Civil Engineering, IIT Hyderabad, 10-13 December 2023
- Supriya S. More and A. R. Kambekar (2023): Experimental investigation of durable parameters in high volume flyash concrete used in coastal region, International Conference on Creative and Innovative Solutions in Civil Engineering, (CISCE-2023), SCOPUS Indexed, August 11-12, 2023, MNIT Jaipur Rajasthan, India, IOP Conference Series: Earth and Environmental Science, IOP Conf. Ser.: Earth Environ. Sci. 1326 (2024) 012044, doi:10.1088/1755-1315/1326/1/012044, <https://iopscience.iop.org/article/10.1088/1755-1315/1326/1/012044/pdf>
- Shweta A. Patil and A. R. Kambekar (2022) “Dam failure analysis using hydraulics simulation model- A case study of Chaskaman dam” Sardar Patel International Conference on Industry 4.0

- Nascent Technologies and Sustainability for 'Make in India' Initiative (SPICON 2022) AIP Conf. Proc. 2985, 030002-1–030002-16; <https://doi.org/10.1063/5.0204484>, <https://pubs.aip.org/aip/acp/article/2985/1/030002/3278220/Dam-failure-analysis-using-hydraulics-simulation>

2022-23

- Devyani Shirule and Ajaykumar Kambekar (2022): Application of Robotics in Construction Industry, Sardar Patel International Conference on “Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative” SPICON-2022.
- Shweta A. Patil and A. R. Kambekar (2022) “Dam failure analysis using hydraulics simulation model- A case study of Chaskaman dam” Sardar Patel International Conference on “Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative” SPICON-2022.
- Sudipta Chakraborty, A. R. Kambekar (2022) Hydraulic Turbulence caused by Ship Movement and Slope Stability at The Juncture of Dredging and Reclamation” First Mandalika International Multi-conference on Science and Engineering 2022” or “1st MIMSE 2022”. Lombok Raya Hotel, Mataram, Indonesia
- Akanksha Wadile, Ayush Jaiswal, Vaibhav Gawande, Anil Ghadge, A. R. Kambekar: (2023): Evaluation of Stormwater Drainage System -A Case Study International Conference on Environmental Sustainability (ICES-2023) 16-17 March 2023, Veermata Jijabai Technological Institute, Matunga Mumbai
- Harsh Pathak and A. R. Kambekar (2023): Flood mitigation measures-a case study of Panvel Region, International Conference on Environmental Sustainability (ICES-2023) 16-17 March 2023, Veermata Jijabai Technological Institute, Matunga Mumbai

2021-22

- Sudipta Chakraborty, A. R. Kambekar and Dr. Arnab Sarma (2021): “Ambiguities In Predicting Sea Level Rise Due To Impact Of The Fluctuating Trends In Climate Change” submitted paper ID: 241, HYDRO 2021 International (26th International Conference on Hydraulics, Water Resources and Coastal Engineering), SVNIT Surat Gujrat, India
- Sudipta Chakraborty, A. R. Kambekar and Dr. Arnab Sarma (2021): “Challenges In Strategizing Adaptation, Mitigation, and Sustainable Development To Combat Consequences Of Climate Change”, submitted International Symposium on Tropical Meteorology, INTROMET-2021 on Changing climate: Consequences and challenges (C4-21) organised by Indian Meteorological Society (IMS) and Cochin University of Science and Technology (CUSAT), November 23-26, 2021.

2020-21

- Viren B. Chandanshive and **Ajay R. Kambekar** (2021): “Prediction of Building Construction Project Cost using Classification and Regression Trees”, International Conference on “Emerging Research and Innovations in Civil Engineering” sponsored by Gujarat Council on Science and Technology (GUJCOST) and Directorate of Technical Education (DTE), Government of Gujarat on 17th April 2021.
- Shweta A. Patil and A. R. Kambekar (2021): Calibration of Channel Roughness for Upper Bhima River Using HEC-RAS Model, International Conference Sustainable Water Resources Development and Management (SWARDAM-2021) 8-9 March, 2021 at GCOE Aurangabad Maharashtra
- Chakraborty Sudipta, **Kambekar Ajay**, Sarma Arnab (2021): “Impact Of Climate Change On Sea Level Rise Along The Coastline of Mumbai City, India, -A Review”, ICSLRRCR 2021: 23th International Conference on Sea Level Rise and Coastal Regions to be held in London, United Kingdom during Jun 28-29, 2021 (<https://waset.org/Publications>), accepted.

2019-20

- Pawle Md. Umar Ravish and **A.R. Kambekar** (2020): “Multi-criteria based analysis for prioritization of solid waste treatment methods for rural areas”Conference Name: 2nd International Conference on Rural Technology Development & Delivery(RTDD 2020 – ID:13),during 12-14 March 2020 at IIT Madras Chennai India. <https://www.springerprofessional.de/en/rural-technology-development-and-delivery/16890570>
- Shweta A. Patil, and **A. R. Kambekar** (2020): “Homogeneity and Trend analysis for metrological stations in Bhima river basin in Maharashtra”3rd International Conference on Innovative Technologies for Clean and Sustainable Development, (ITCSD2020) at NITTTR Chandigarh, India, 19-21- February 2020.
- **A. R. Kambekar**, DhrutiBavaskar and PrabhatShrivastava (2020): “ Hydraulic and Hydrologic analysis for Infrastructure project”3rd International Conference on Innovative Technologies for Clean and Sustainable Development, (ITCSD2020) at NITTTR Chandigarh, India19-21- February 2020

2018-19

- V.B. Chandanshive and **A. R. Kambekar** (2019) : "Prediction of Building Construction Project Cost Using Multiple Linear Regression and Artificial Neural Network" International conference on numerical optimization in engineering and sciences (NOIEAS-2019) Diamond Jubilee Conference at NIT(REC) Warangal (AP), India, 19-21 June, 2019.

2017-18

- Md. Shyueb Ansari and **A. R. Kambekar** (2017) “Evaluation of Pavement Condition Index for Flexible pavement in rural areas” 2nd International Conference on Construction, Real Estate, Infrastructure, and Project Management (ICCRIP2017) November 10-12, 2017 at NICMAR Pune, India.
- Md. Shyueb Ansari and **A. R. Kambekar** (2017) “Development of probabilistic methodology for evaluating pavement condition index for flexible pavement”ASCE conference on Urbanization challenges in emerging economics Moving towards resilient sustainable cities and infrastructures, 13-14 December, 2017, IIT Delhi, 13-14 December, 2017, IIT Delhi.
- P. S Kothawade and **A. R. Kambekar** (2017): “Prioritization of Rigid Pavements for Maintenance Based on Pavement Condition Index in Rural Areas” 2nd International Conference on Construction, Real Estate, Infrastructure, and Project Management (ICCRIP2017) November 10-12, 2017 at NICMAR Pune, India.
- P. S Kothawade and **A. R. Kambekar** (2017): “Evaluation and prioritization of rigid pavements for maintenance using analytical hierarchy process” ASCE conference on Urbanization challenges in emerging economics Moving towards resilient sustainable cities and infrastructures, 13-14 December, 2017, IIT Delhi, 13-14 December, 2017, IIT Delhi.
- Samiksha A. Patil and A. R. Kambekar (2017): Establishing long-term maintenance strategy & budget for existing flexible pavement network using Life Cycle Costing” 2nd International Conference on Construction, Real Estate, Infrastructure, and Project Management (ICCRIP2017) November 10-12, 2017 at NICMAR Pune, India.

2016-17

- **Kambekar A. R.** and Singh P.D. (2017): “Application of geographic information system in assessing impact of sea level rise”,proceedings of International conference:TACSAC 2017 at Nanded in association with SRTMU Nanded, CUNY-CREST, Institute, New York, USA, Institute for Global Agriculture and Technology Transfer (IGATT), Colorado, USA., Crave InfoTech, New Jersey, USA January 2017 pp37-40.
- P.V. Mukadam and **A.R. Kambekar**(2016)“Modification in existing regional rural pipe water supply scheme for future demand”, Proceedings of International Conference on Hydraulics, Water

Resources and Coastal Engineering (Hydro2016), held at CWPRS Pune, India during 8th – 10th December 2016, pp.794-799.

2015-16

- **Kambekar A. R.** and Kalantri N. J. (2016) : “Planning for a smart sustainable city-A case study” proceedings of ICCGE, 2016, 18th International Conference on Civil and Geological Engineering held at Wien, organized by International scientific committee; World academy of science, Engineering and Technology (WASET) at Vienna Austria June 16-17, 2016, 18 (6) Part XI.

2014-15

- Aditya Ahirwar and **A.R.Kambekar** (2015): “Cost Optimization Using Life Cycle Costing For Commercial Building” Proceedings of **ASCE International Conference on Sustainable Energy and Built Environment**, 12-13, March 2015 at VIT Vellore TN. Pp. 855-858 (Paper ID: MC023), ISBN No. 978-81-923320-6-2.
- Sumit Padwal and **A. R. Kambekar** (2014) : “Life Cycle Cost Analysis of a Transit Camp Building in Mumbai” International Conference on Advances in Civil and Mechanical System (ACMES 2014) organised by Government College of Engineering Amravati during 23-24 December 2014.
- Viren B. Chandanshive and **A.R. Kambekar** (2014): “Prediction of early stage construction cost of building projects using artificial neural network”, **2nd International conference on Materials, Mechanics and Management, IMMM2014**, College of Engineering, Trivandram, 17-19 Dec. 2014.

2013-14

- Tejeshree Chavan and **A.R. Kambekar** (2014) “Forecasting productivity of human resource in building construction using artificial neural network” Sixth International Conference on Excellence in Research and Education to be held during 8-11 May, 2014 at IIM Indore. (OBHR614172-Received 3rd Prize the award consisted of a certificate and as cash award of Rs. 10,000/-)
- Reeza Shaikh and A. R. Kambekar "Cost and delay analysis in construction project" *International conference on Eco-friendly Technologies for sustainable growth* at MHSS COE Mumbai, March 27, 28, 2014, pp 161-165, ISBN 978-93-8335-220-3.
- **A.R. Kambekar** and Sudip Ray (2013): “Total life cycle cost assessment of a project by integration of LCA and LCC methods”, *International conference on “Sustainable Innovative Techniques in Civil and Environmental Engineering”*, (SITCEE - 2013), organized by krishisanskriti on 5-6 June, 2013 at Jawaharlal Nehru University, New Delhi.
- Krishna A. Joshi and **A.R. Kambekar** (2013): “Optimization of energy in public buildings”, *International Conference on Recent Innovations in Civil Engineering: (IC-RICE2013)*, Oct.25-27, 2013, organized by P.D.A. College of Engineering, Gulbarga Karnataka, India pp.585-589, (ISBN: 978-93-82880-74-5).
- Ketki S. Kamble and **A. R. Kambekar** (2013): “Analysis of factors contributing delays and claims in construction projects”, *International Conference on Recent Innovations in Civil Engineering: (IC-RICE2013)*, Oct.25-27, 2013, organized by P.D.A. College of Engineering, Gulbarga Karnataka, India, pp. 527-532, (ISBN: 978-93-82880-74-5).
- Ninad B. Bhalariao and **A. R. Kambekar** (2013): “Analysis and design of zero sewage discharge system for a model township”, *International Conference on Recent Innovations in Civil Engineering: (IC-RICE2013)*, Oct.25-27, 2013, organized by P.D.A. College of Engineering, Gulbarga Karnataka, India, pp. 383-386, (ISBN: 978-93-82880-74-5).

2012-13

- **A. R. Kambekar** and SandipHaldive (2013): “Experimental study on combine effect of fly ash and pond ash on strength and durability of concrete” Proceedings of International Conference on Innovations in Civil Engineering” SCMS School of Engineering and Technology, Vidya Nagar, Karukutty, Ernakulam, Kerala. May 9-10, 2013 pp 81-86.

2011-12

- **Kambekar A.R.**, Gadkar R., Mishra R., Nautiyal A. and Shinde P.(2012): “Design of an Industrial Steel Shed Using Different Codes” Proceedings of I-CORT2012, IOK-COE, Shirur, Pune. Pp. C12/C1-C8. Feb. 09-11, 2012.

2010-11

- **A R Kambekar** and M C Deo (2010): “Real time prediction of ocean waves using wind time series”. Tenth Symposium on Stochastic Hydraulics, Fifth International Conference on Water Resources and Environment Research 5th - 7th of July 2010 at Quebec City, Canada Water2010. (http://www.water2010.org/program_search.php).
- **Kambekar A R**, M C Deo, Mansi Daga and SuhasiniSakhare (2009): “Data driven methods to analyze wave buoy observations”, *ASCE International Workshop on Computing in Civil Engineering, Austin, Texas*, June 24-27, 2009, pp. 398-409.

2009-10

- M C Deo, **A R Kambekar**, G Latha and V Rajendran (2009): “Data driven methods to analyze and model ocean data”, *International conference on ocean engineering,ICOE2009, IIT Madras*, Feb. 1-5, 2009. Pp.455-464.

2008-09

- **Kambekar A R**,Deo M C, G Latha and V.Rajendran (2009): “Wave hindcasting using intelligent computing methods”, *Symposium on wind wave modeling, I I T Madras*, Feb. 12, 2009, pp.79-88.

2005-06

- ShaileshNamekar, **A R Kambekar** and M C Deo (2005): "Neural networks to predict scour of piles in sea", *Proceedings, Second Indian International conference on Artificial Intelligence, Pune*, Dec. 22-24, 2005.

Research publications in National Journal

2024-25

- Supriya S. More and A. R. Kambekar (2025): “Prediction of Concrete Compressive Strength using Model Tree”, Vol. 48, Special Issue 2 -March 2025, PP9-12, www.isteonline.in ISSN **0971-3034**
- Supriya S. More and A. R. Kambekar (2025): “Analysis of Rapid Chloride Penetration Test in Concrete Using Artificial Intelligence Techniques”, Indian Concrete Journal (**Under Review..**)

2022-23

- Arnab Sarma, Sudipta Chakraborty, A.R. Kambekar (2022-23). Calculation of Element Stiffness Matrix for Finite Element Analysis of Pile Dynamic Stability. Journal of Offshore Structure and Technology. 2022; 9(3): 40–46p.
- Chakraborty Sudipta & Kambekar A.R. “Complexities in the Structural Behaviour of Offshore Structural Members subjected to Dynamic Loading", Journal of Offshore Structure and Technology (JoOST), ISSN: 2349-8986, Volume 9, Issue 2, 2022, DOI (Journal): 10.37591/JoOST, <http://techjournals.stmjournals.in/index.php/JoOST/index>
- Sriram Deshmukh and Ajaykumar R. Kambekar (2022): Prediction Model for Cost Overruns in Infrastructure Project, NICMAR-Journal of Construction Management, Vol. XXXVII, No. 4, October-December 2022-pp194-205.

2021-22

- Rohit Pandhare, A. R. Kambekar (2021): Decision making in rural infrastructure development. Recent Trends in Civil Engineering & Technology. 2021; 11(3): 10–15p.
- Viren B. Chandanshive and A. R. Kambekar (2021): “Prediction of Building Construction Cost Using Variable Selection.” selected for publication NICMAR-Journal of Construction Management, Pune. India (June 2021).
- Mansi Naik and **A. R. Kambekar (2021)**: “A study of biodiversity and sustainability along the Indian coastline”, Journal of Offshore Structure and Technology (Submitted)

2020-21.

- Nidhi Sonar and **A. R. Kambekar (2020)** : “Emotional wellbeing and its impact on work environment- a case study" is accepted for publishing in the "Nolegein - Journal of Performance Management & Retention Strategies"(ISSN: 2581-5067), vol 3 Issue 2.
- Shubham R. Giri and **A.R. Kambekar (2020)**: Aerodynamic and Hydrodynamic Study of Offshore Wind Turbine Foundation. Journal of Offshore Structure and Technology. 2019; 6(3): 23–35p.

2014-15

- Bhagyashri Sawant and **A.R. Kambekar (2015)**: "Prediction of compressive strength of concrete using machine learning techniques", Journal of Construction Engineering, Technology & Management.2015; 5(3): 34–41p. ISSN: 2249-4723(online), ISSN: 2347-7253(print), (<http://stmjournals.com>).

2013-14

- A.J. Velani and **A. R. Kambekar (2014)**: “Application of Value Engineering Techniques in Construction Projects” National Journal of MES Pillai HOC College of Engineering & Technology, Rasayani, Panvel, Raigad, Maharashtra.
- Reeza Shaikh and **A. R. Kambekar** "Cost and delay analysis in construction project" Journal of Indian Institution of Industrial Engineering, Industrial Engineering Journal, pp.23-26, Vol. VII, Issue No. 10, November 2014 (ISSN 0970-2555).

Research publications in National Conferences

2019-20

- Mukul Patel and **A. R. Kambekar (2020)**: “Multi-criteria Decision Analysis in Infrastructure Development” National Conference on Advances in Construction Management 06-07th March 2020 (ACM 2020), COE Pune, Maharashtra India (Accepted)
- Pawle Md. Umar Ravish and **A.R. Kambekar (2020)**: "Solid waste management in rural sector using analytic hierarchy process " National Conference on Advances in Construction Management 06-07th March 2020 (ACM 2020), COE Pune, Maharashtra India (Accepted)
- Dhruti Bhavsar and **A. R. Kambekar (2020)**: “Hydrologic Analysis and Hydrolic Design with Life Cycle Costing of a Road Project” National Conference on Advances in Construction Management 06-07th March 2020 (ACM 2020), COE Pune, Maharashtra India (Accepted)
- Ketaki Zambre and **A. R. Kambekar (2019)**: “Planning for demand identification and system design for rural infrastructure”, three days’ workshop “Tech4Seva” “Technology outreach as an enabler for inclusive and sustainable development” organized by Unnati Bharat Abhiyan and Vijnana Bharati at held IIT Delhi during 10-12 August, 2019.

2018-19

- Shweta A. Patil and **A. R. Kambekar** (2019): “Extraction of hydrologic information and watershed delineation using Geographic Information System” National conference on “Environment Pollution Control and Management (EPCM-2019)” College of Engineering, Pune on 1st and 2nd March, 2019.
- Aanand Singh, PrabhatShrivastava, **A. R. Kambekar** (2019): “Financial Risk Assessment of Public Private Partnership Projects”, National Conference on “Sustainable Infrastructure Development and Management” on 22nd-23rd Feb 2019 at VNIT Nagpur Maharashtra India.
- Shubham Vilas Kadam, P Shrivastava, A. R. Kambekar (2019): “Multimodal Integration and Strategic Planning for the Proposed Dahisar Metro Station”, National Conference on “Sustainable Infrastructure Development and Management” on 22nd-23rd Feb 2019 at VNIT Nagpur Maharashtra India. <https://ssrn.com/abstract=3371500> or <http://dx.doi.org/10.2139/ssrn.3371500>
- Yogesh D. Patil, VandanaBhatt , Ajay Kambekar (2019): “Anatomy of Construction Claims”, National Conference on “Sustainable Infrastructure Development and Management” on 22nd-23rd Feb 2019 at VNIT Nagpur Maharashtra India.
- Mayurbhere, Ajay Gaikwad, Sharmishtha Kale, Ramesh Bhagat, AkshayKajale, KetakiZambre and A. R. Kambekar (2019): Preliminary survey for demand identification in rural development” National Conference on “Recent Trends in Engineering, Science and Management” (SSJCET_Conf_2019) during January 28th - 29th, 2019.SSJCET Asangaon Thane (Mumbai University).
- VishakhaHalke, Prernawavare, Karan kasode, Mahesh kute, Tejasmhadse, KetakiZambreandA. R. Kambekar (2019): “Preliminary survey & shared vision of planning for a smart village”, National Conference on “Recent Trends in Engineering, Science and Management” (SSJCET_Conf_2019) during January 28th - 29th, 2019.SSJCET Asangaon Thane (Mumbai University).
- Anand Singh, P. Shrivastava, A. R. Kambekar and Pallavi Kulkarni (2019): “Development of feeder route system for Mumbai Metro line 2A & 7 using QGIS”, Conferences on Technologies for future cities held at Pillai College of Engineering Mumbai, 8-9 January, 2019. **(Received best paper award)**
- Anand S. Kambleand A. R. Kambekar (2018): “Infrastructure asset management of water supply scheme in rural area using life cycle costing”, Golden Jubilee National conference on Next frontiers in Civil Engineering, sustainable and resilient infrastructures (NFICE-2018), 30 Nov-01 Dec. 2018 at IIT Bombay. (paper ID: :DJCE72)
- Geetanjali M. Joshi and A. R. Kambekar (2018): “Life cycle assessment and life cycle costing for storm water drainage system for a national highway project”,Golden Jubilee National conference on Next frontiers in Civil Engineering, sustainable and resilient infrastructures (NFICE-2018), 30 Nov-01 Dec. 2018 at IIT Bombay. (paper ID: :DJCE67).

2017-18

- AnandKamble, and A. R. Kambekar (2018): “Infrastructure asset management of water supply scheme in rural area” Research Conclave 2018, Indian Institute of Technology Guwahati, 17-20 March Guwahati, India.
- Geetanjali Joshi and A. R. Kambekar (2018): “Impact of cost drivers and identifying alternative materials for storm water drainage system for the national highway Project”Research Conclave 2018, Indian Institute of Technology Guwahati, 17-20 March Guwahati, India(**received Best Poster presentation award**).
- SapreshKamble, and A. R. Kambekar (2018): “Developing sustainable Stormwater and Wastewater drainage system for rural areas” Research Conclave 2018,, Indian Institute of Technology Guwahati, 17-20 March Guwahati, India.
- Shweta A. Patil and A. R. Kambekar(2018): “Integration of GIS and Hydraulic model for flood Inundation mapping due to dam break”Research Conclave 2018, Indian Institute of Technology Guwahati,

17-20 March Guwahati, India.

2015-16

- Mane N.S. and **Kambekar A.R.** (2016): “Assessment of rural pipe water supply scheme: a case study”; Proceedings of National Conference on Recent Advances in Civil Engineering (RACE2016), SVNIT, Surat, India. 5 – 6 March, 2016.
- Mukadam P.V. and **Kambekar A.R.** (2016): “Monitoring and evaluation of regional rural pipe water supply scheme”proceedings of 3rd National Conference on “Sustainable Water Resources Development and Management”, SWARDAM-2016 held during 4-5 July 2016 at Govt. College of Engg. Aurangabad, Maharashtra. (TEQIP), pp.285-292.
- Pawar A.T. and **Kambekar A.R.** (2016): “Drinking Water Security Assessment in Mukhada Taluka: A Case Study”proceedings of 3rd National Conference on “Sustainable Water Resources Development and Management”SWARDAM-2016 held during 4-5 July 2016 at Govt. College of Engg. Aurangabad, Maharashtra. (TEQIP), pp.300-307.
- Mane N. S. and **Kambekar A. R.** (2016): SWARDAM-130 “Augmentation of rural pipe water supply scheme: a case study”proceedings of 3rd National Conference on “Sustainable Water Resources Development and Management”, SWARDAM-2016 held during 4-5 July 2016 at Govt. College of Engg. Aurangabad, Maharashtra. (TEQIP), pp.276-284.

2014-15

- Kalantri Nikita J. and **A. R. Kambekar** (2015): “Effective planning for smart sustainable cities” National conference on sustainable built environment, April 10-12, 2015, Department of Architecture and Planning, IIT Roorkee, Uttarakhand.
- Singh Pratibha and **A. R. Kambekar** (2015): Assessing impact of sea level rise on Mumbai city using GIS, National conference on sustainable built environment, April 10-12, 2015, Department of Architecture and Planning, IIT Roorkee, Uttarakhand.

2013-14

- Viren B. Chandanshive and **A. R. Kambekar**(2014): “Prediction of early stage construction cost of building using artificial neural network”proceedings of National Conference on Advances in Civil and Structural Engineering, 22-23 August, 2014, Govt. College of Engineering Karad, pp 430-437, (ISBN: 978-93-5156-532-1).
- D.B. Lokhande and A.R. Kambekar (2014): “Design and development of Graphical User Interface for rate analysis of building construction using visual basic”, Proceedings of “Tech-streams” a national conference on 21st and 22nd Feb. 2014, Pillai HOC College of Engineering & Technology, Rasayani, Panvel, Raigad, Maharashtra pp. 46-50, ISBN 978-93-82626-00-8 (*Received best research paper award in the conference*).
- A.J. Velani and **A. R. Kambekar** (2014): “Application of Value Engineering Techniques in Construction Projects” Proceedings of “Tech-streams” a national conference on 21st and 22nd Feb. 2014, Pillai HOC College of Engineering & Technology, Rasayani, Panvel, Raigad, Maharashtra pp. 35-38, ISBN 978-93-82626-00-8.
- N. Godage, H. Patil, A. Patil, R. Pillay, R. Zade and **A. R. Kambekar** (2014): “Experimental study on strength characteristics of fly ash based concrete” Proceedings of “Tech-streams” a national conference on 21st and 22nd Feb. 2014, Pillai HOC College of Engineering & Technology, Rasayani, Panvel, Raigad, Maharashtra pp. 25-27, ISBN 978-93-82626-00-8.
- **A. R. Kambekar** (2014): “Strategic Planning in Higher Learning Institution” National Conference on TEQIP-II: Best Policies and Practices held at SGGS Nanded during 10-11 January, 2014.
- **Kambekar A. R.** and Deo M. C. (2014) : “Real time wave forecasting using wind time history and genetic programming” Fifth Indian National conference on Harbour and Ocean Engineering,

CSIR-National Institute of Oceanography (NIO) Goa, at NIO Goa, February 5-7, 2014 pp.73-78.

- **Kambekar A. R.** and Bhamre Parag (2013): “Impact of geo-environmental parameters and economics of delay in construction projects” IGC-2013, Indian Geotechnical Conference on Geotechnical Advances and NovalGeomechanical Applications. IIT Roorkee and CBRI Roorkee, at IIT Roorkee. December 22-14, 2013.
- UdayChavan and **A. R. Kambekar** (2013): “Performance of concrete using natural and crushed sand along with admixtures”(Paper Id: INCAM_2013_SM_26),*Indian Conference on Applied Mechanics (INCAM) 2013*, IIT Madras, 4 – 6 July 2013, proceeding of abstract pp. 43-44.
- S. Bhattacharya and **A. R. Kambekar** (2013): “Planning and designing rain water harvesting system for residential complex at Mumbai region "National Conference On “Recent Trends In Engineering, Technology & Management for Sustainable Development” (RTETMSD - 2013) On 13th August 2013 at MVN University, Palwal (Haryana).

2012-13

- **A.R. Kambekar** and S.H. Kajrekar (2012): “Redevelopment of building - an alternative to Retrofitting” Proceedings of all India seminars on repairs & rehabilitation of concrete structures, REHAB2012, The Institution of Engineers (India), Nagpur. Pp. 246-252, October 05th-06th, 2012,
- **Kambekar A. R.**and AmritkarSujit (2012): “Seepage Control in Water Supply Tunnel by Cement and Chemical Grouting-a Case Study” Proceedings of National Conference on Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO2012, IIT Bombay, pp. 1839-1848, Dec. 7-8, 2012.
- **A.R. Kambekar** and A.M. Shaikh(2012): “Systematic Approach of Sewer Management using GIS” Proceedings of National Conference on Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO2012, IIT Bombay, pp 691-698, Dec. 7-8, 2012.

2011-12

- **Kambekar A. R.**, Dani S., Kakade D., Khade S. Vhatkar K. Walke U. (2013): “Rainwater Harvesting System Design” National Conference on Current Research in Emerging Science and Technology, CREST-2013, Alwar Institute of Engineering and Technology. Rajasthan. April 5th – 7th, 2013.
- Khilnani A., Shaikh S., Desai P. and **Kambekar A R**(2011): “Role of Urban Transport Planning in Air Pollution Mitigation” *National Conference on Sustainable Development of Water Resources and Environment Management, SBCET, Jaipur*, Feb. 25-26, 2011.

2010-11

- **A R Kambekar** and M C Deo (2011): “Wind wave simulation using Genetic Programming”, Proceedings ofHydro2011,pp. 960-969. Dec. 29-30, 2011, SVNIT Surat, Gujrat.
- **A. R. Kambekar et al.** (2011):“Reuse of Rubber Aggregates in Waste Management” Proceedings of *RACE-Ind2011*, pp. E6-E12 (Environmental Engg. session). Dec. 21-22, 2011, Jaypee University of Engineering and Technology, Guna, MP.

2009-10

- **A R Kambekar**, M C Deo, G. Latha and V Rajendran (2009): “Genetic Programming for wave simulation”, CESS 2010, National Conference on Coastal Processes, Resources and Management, Centre for Earth Sciences, Thiruvananthapuram, Kerala, Feb. 5-7, 2010, pp. 154-159.

2008-09

- **A R Kambekar**, M C Deo, G Latha and V Rajendran (2009): "Simulation of waves using the time series modeling", *Hydro-2009*, Dec. 17-18, 2009, CWPRS, Pune, pp.286-291.
- **A R Kambekar** (2007) "Soft Computing in Civil Engineering" Proceedings of *National Conference: Immerging Trend in Civil Engineering*, Govt. College of Engg. Amaravati MS. 22-23 March, 2007, (WRE Session) pp. VII5- VII13.

2003-04

- ShaileshNamekar, **A R Kambekar** and M C Deo (2004): "Prediction of pile scour using ANN", *INCHOE conference, Goa*, Dec., 7-9, 2004, pp.716-723.

2002-03

- **Kambekar A R** and M C Deo (2002): "Neural networks to estimate oceanic pile group scour", *Hydro-2002, I I T Bombay*, pp.445-449.

- **Membership of professional Organizations**

Sr. NO.	Name of the Professional/Government Body	Type of Membership	Membership Number	Date
1	Indian Society for Technical Education (LMISTE)	Life member	LM45466	2005
2	Institution of Engineers India (AMIE India)	Associate Member	AM/086499/7	31/05/2000
3	Indian Water Works Association (LMIWWA)	Life member	LIFE MEMBER	11/09/1999
4	Indian society for Hydraulics (LMISH)	Life member	LM620	29/11/2006
5	Indian Geotechnical Society (LMIGS) Mumbai Chapter	Life member	M-930	-
6	Scientist & Engineers wing (SEW), RERF, BKIVV, Mount Abu, Rajasthan.	Life member	LM	2010
7	Alumni Association, Indian Institute of Technology Bombay (IITB-aa).	Life member	LM 020042	13/12/2010
8	The Institution of Engineering and Technology	Member	70542615	January 2014

Major academic/professional activities/Achievements

- Chairman PhD Examination panel University of Mumbai
- Member faculty selection committee in UG and PG in Civil Engineering at Walchand College of Engineering Sangli, (Shivaji University Kolhapur), Maharashtra, India (04th and 5th July 2021).
- Expert on evaluation of question paper/paper setting in Civil Engineering at Maharashtra Public Service Commission, (MPSC) Maharashtra
- Committee member for preparation of PROPOSAL FOR SCHOOL OF PLANNING AND ARCHITECTURE AT Raigad/Ratnagiri/Sindhudurg (M.S.) and Actions taken to arrive at PROPOSAL and 'Detailed Project Report' (DPR) formed by Directorate of Technical Education Maharashtra.

- Organized AICTE Faculty Development programme (Received Grant of Rs. 4.33 Lakhs from AICTE Delhi) for FDP on “ Applications of GPS and Remote Sensing in Civil Engineering” Organized between 06th to 18th January 2020 at SPCE Mumbai.
- Worked for the affiliation of University of Mumbai for PG programmes in Civil/Mechanical/Electrical Engineering and PhD programme in Electrical Engineering at SPCE in the capacity of Chairman PG section SPCE.
- UG Civil and PG Civil with Construction Management got accreditation under the headship.
- **Received 3rd Prize the award consisted of a certificate and as cash award of Rs. 10,000/-** Tejeshree Chavan and A.R. Kambekar (2014):“Forecasting productivity of human resource in building construction using artificial neural network” Sixth International Conference on Excellence in Research and Education to be held during 8-11 May, 2014 at **IIM Indore**.
- **Best research paper award in the conference:** D.B. Lokhande and A.R. Kambekar (2014): “Design and development of Graphical User Interface for rate analysis of building construction using visual basic”, “Tech-streams” a national conference on 21st and 22nd Feb. 2014, **Pillai HOC College of Engineering & Technology, Rasayani, Panvel, Raigad, Maharashtra** pp. 23-27
- Anand Singh, P. Shrivastava, A. R. Kambekar and Pallavi Kulkarni (2019): “Development of feeder route system for Mumbai Metro line 2A & 7 using QGIS”, Conferences on Technologies for future cities held at Pillai College of Engineering Mumbai, 8-9 January, 2019. **(Received best paper award)**
- Received "Bharat Gaurav Award", by an ‘NGO’ INDIA INTERNATIONAL FRIENDSHIP SOCIETY, Delhi during conference on "Economic Growth And National Integration" on 1st June 2015 held at India International Center, Multi Purpose Hall Extn. New Building Max Muller Marg Lodhi Garden New Delhi -3.
- Received "Rashtriya Gaurav Award", by an ‘NGO’ INDIA INTERNATIONAL FRIENDSHIP SOCIETY, Delhi during conference on "Economic Growth And National Integration" on 24th November 2014 held at India International Center, Multi Purpose Hall Extn. New Building Max Muller Marg Lodhi Garden New Delhi -3.
- Students Mentor: IITB Alumni Students mentorship programme Cell, IITB students Mr. Naman Kasliwal (B.Tech. M.Tech. Electrical) working under my Mentorship has got selected for YC W2020, the USA incubator award.
- Member of advisory committee, Vidyavardhini’s College of Engineering and Technology, Vasai (University of Mumbai) in association with Students ‘Chapter of IEEE, ISA, CSI, IETE, CESA and VMEA National Level Project Showcase – VNPS’ 18 on 6th April 2018.
- Member Board of Studies Civil Engineering Dr. BATU Lonere, Dist. Raigad Maharashtra since 16-01-2017 (State technical university of Maharashtra).
- Member BOS, Civil Engineering, SVKMs, NMIMS Deemed Univ. Mumbai, Maharashtra, India
- Invited member Board of Studies Civil Engineering Shri. Bhagubahi Mafatlal Polytechnic, Opp. cooper Hospital, Irla, Vile Parle (West), Mumbai.
- Signed MOU with CTARA IIT Bombay for Joint Consultancy and Research. 12-01-2017.
- Attended meeting at District Collectorate Office at Thane on 26-12-2016 for UMA/UBA (Decision on finalization of Cluster of Villages for study).
- Team member Brhmakumari’s R & D project on Solar Energy (1 MW capacity) of estimated Rs. 75 Cr. At Shantivan Mt. Abu. Rajasthan funded by Government of India and Germany.
- Team Member Water sector projects Maharashtra State under TEQIP-KIT-CDEEP IIT Bombay for Rural water supply, Urban water supply, Watershed and Ground water, Water quality and Sanitation.
- Member State Technical Agency (STA), Pradhan Mantri Gram Sadak Yojna (**PMGSY**), SPCE Andheri (West), Mumbai since Nov. 2013 ~.
- Research scholar member “Comprehensive Report preparation committee, Department of Civil Engineering (2003-2007)” IIT Bombay Mumbai, July 2008.

- Co-chaired two sessions in International Conference on Recent Technologies, I-CORT2012, IOK-COE, Shirur, Pune.
- Member, Faculty selection committee, MPSTME, NMIMS University (Deemed-to-be-University), Mumbai (2012).
- Member, Syllabus review committee, PG course in “Water Resources and Environmental Engineering” VIIT Pune, University of Pune for the academic year 2013-14.
- Steering Committee member, National Conference “Tech Streams” Infra-Info-Bio, Feb. 21-22, 2014 organized by Pillai’s HOC College of Engineering and Technology, RasayaniPanvel, Raigad, Mumbai University.
- Member, University Staff Selection Committee, April 2013 at ARMIET Engineering College, Sapgaon, Thane (Mumbai Univesrity).
- Chaired one session in the “Tech-streams-INFRA” a National conference held on 21st and 22nd Feb. 2014, Pillai HOC College of Engineering & Technology, Rasayani, Panvel, Raigad.
- Expert for evaluation of Diploma level project competition at the state levelorganized by Maharashtra State Board of Technical Education (MSBTE): (1) NIT Polytechnic Nagpur (01/03/2014), (2) Govt. Polytechnic Mumbai (04/03/2014), (3) Dr. VikhePatil Institute of Technology and Engg. LoniA,nagar (06/03/2014) and (4) SVPM Inst. Of Tech. and Engg. Malegaon (BK), Baramati (08/03/2014).(Related news @ competition at Nagpur <http://timesofindia.indiatimes.com/city/nagpur/Helmets-that-sense->).
- Chaired one session in the International conference on Eco-friendly Technologies for sustainable growth on 27th March, 2014 at MHSS COE Mumbai.
- Experts lectures to ME Civil with Water Resources Engineering, Sem. II on ‘Water Resources Economics planning and management’ at YTCEM Karjat. (Mumbai University).
- Interview Panel member for admission to the Ph.D in Engineering & Technology Programme Batch 2014 NMIMS’s MPSTME Mumbai.
- Member and interviewer for Mock Interviews organized by Student Alumni Relation Cell, IIT Bombay (Annual Student Alumni Meet-SAM on Date- 11th October, 2014 and 12th October 2014).
- Presiding Officer: Parliamentary Election 2014 and Maharashtra Legislative Assembly 2014.
- Interview panel member for the selection of “NarotamSekhsaria Scholars 2014” at KJSCOE Vidyavihar Mumbai Maharashtra India. (On 04-Nov. 2014).
- Expert for evaluation of Diploma level project competition at the state levelorganized by Maharashtra State Board of Technical Education (MSBTE): (1) DattaMeghe Polytechnic Nagpur (28/02/2015), (2) Guru Goving Singh Polytechnic Nashik (03/03/2015), (3) Ashokrao Mane Polytechnic Kolhapur (07/03/2015) and (4) L & T Polytechnic Mumbai (10/03/2015). Maharashtra India
- Expert for evaluation of Diploma level project competition at the state level organized by Maharashtra State Board of Technical Education (MSBTE): (1) Bharti Vidyapeeth Polytechnic Navi Mumbai (8/03/2016), (2) JD Polytechnic Nagpur (12/03/2016), (3) Government Polytechnic Dhule(12/03/2016) and (4) VVP Polytechnic Solapur (15/03/2016).
- Advisory board member Civil Engineering Department, Thakur College of Engineering Kandiwali (East), Mumbai.
- Member Board of Studies Civil Engineering, NMIMS (Deemed University), MPSTME Mumbai
- Interview panel member for selection of students in professional coursesfor award of scholarship by Narrotam Seksariya Foundation (NSF) Mumbai (Ambuja Cement) for children of Police Personnel (12-02-2019).
- Expert for evaluation of Diploma level project competition at the state level organized by Maharashtra State Board of Technical Education (MSBTE): (1) DattaMeghe Polytechnic Nagpur (04/03/2017), (2) B. Sawant Polytechnic Pune (07/03/2017), (3) AR Kalsekar Polytechnic PanvelNavi Mumbai (09/03/2017) and (4) CSMSS Polytechnic Aurangabad (11/03/2017).

- Expert for evaluation of Diploma level project competition at the state level organized by Maharashtra State Board of Technical Education (MSBTE): (1) 28th Feb.2018 (Wednesday) for Nagpur region, (2) 3rd March 2018 (Saturday) for Mumbai region, (3) 6th March 2018 (Tuesday) for Aurangabad region and (4) 8th March 2018 (Thursday) for Pune region.
- Chaired session on 23rd February 2019 during International Conference on Advances in Civil Engineering in association with “JETIR” during 22-23rd February, 2019” IC-AMCE2019 (MULTICON-2019) held at Thakur College of Engineering and Technology Kandiwali (West), Mumbai. (University of Mumbai)
- Expert for evaluation of Diploma level project competition at the state level organized by Maharashtra State Board of Technical Education (MSBTE): (1) Sanjivani Polytechnic Kopergaon(06/0/2019), (2) Government Polytechnic ArviWardha(09/03/2019), (3) Vidyaalankar Polytechnic Wadala Mumbai (12/03/2019) and (4) SangayGhodawat Polytechnic Kolhapur (14/03/2019).
- Expert for evaluation of Diploma level project competition at the state level organized by Maharashtra State Board of Technical Education (MSBTE): (1) Guru Govind Sing Polytechnic Nasik (25-03-2023), (2) 29-03-2023 Sanjay Ghodawat Polytechnic Hatkananganle Kolhapur (3) Bharti Vidyapeeths Institute of Technology (31-03-2023) and (4) NIT Polytechnic Nagpur (03/04/2023)

• **Teaching at the UG and PG/PhD level**

UG:

- Fluid Mechanics I including Labs.
- Fluid Mechanics II including Labs.
- Applied Hydraulics I/Hydraulic Engineering I including Labs.
- Applied Hydraulics II/Hydraulic Engineering II including Labs.
- Irrigation Engineering
- Core Elective-I: Applied Hydrology and Flood Control
- Core Elective-II: Water Resources Engineering and Management.
- Hydrology and Water Resources Engineering
- Professional Elective: Open Channel Flow
- Professional Elective: Surface Hydrology
- Open Elective: Human Resources Development and Organizational Behavior
- Engineering System and Development

PG:

- Construction Management and Organization (Construction Management Sem. I)
- Elective-II: Value Engineering (Construction Management Sem. II)
- Water Resources Economics, Planning and Management (Water Resources Engineering Sem. II)
- **PhD:** Quantitative methods & computer applications in research
- **Projects supervision at UG/PG Level:** Supervised various UG/PG projects in Civil Engineering.

Financial Grants for Research projects

- AICTE Faculty Development Grant of Rs. 4.33 Lakhs for FDP on “Applications of GPS and Remote Sensing in Civil Engineering” Organized between 06th to 18th January 2020 at SPCE Mumbai.
- AICTE-IITD, Unnant Bharat Abhiyan Grant of Rs 0.50 Lakhs 2018-19 for Village development DPR.

- University of Mumbai minor research project grants 2018-19 of Rs. 0.50 Lakhs research project of flood estimation and forecasting using RS and GIS.
- Research grant of Rs. 0.20 Lakhs under TEQIP-III for research under Unnat Bharat/Unnat Maharashtra Abhiyan for preparing proposal for village development in Thane District, Maharashtra (2018-19).
- Research grant of Rs. 8,000/- for local travel for assessment of (JalAyukta Shivar Yojna-JYS) water shed schemes in Thane District (2017-18).
- Collaborative research grants of Rs. 2 Lakhs from CTARA IIT Bombay Powai Mumbai for joint research on infrastructure assessment in Palghar District, Maharashtra (2016-17).
- TEQIP-II research grants for research project titled “Experimental Analysis of SFRC and CFRC to increase sustainability of structure” for seed money of Rs. 0.75 Lakhs by B.Tech Final Year students (2015-16)

Major Interaction outside the institute: Lectures delivered

2011-12

- Lectures delivered in the subject of Fluid Mechanics at SE Civil Sem. III & Sem. IV at Gharda Institute of Technology Lavel, Khed, Dist. Ratnagari (Mumbai University) (2011-12)
- Lectures delivered in the subject of Hydraulic Machinery MBA Tech (Civil) Sem. V at NMIMS University, MPSTME VileParle (w), Mumbai (2011-12).
- Lecture delivered in QIP-STC Coastal Processes and Modeling at IIT Bombay (19-23- March 2012).
- Lecture delivered in AICTE-ISTE Course for teachers at MHSS Polytechnic Mumbai on ‘Value Engineering on 04th May 2012.

2012-13

- Participated in “Quality initiative in Technical and Higher Educational Institution” at Engineering Staff College of India (ESCI) Hyderabad. 28th to 30th August, 2012 under TEQIP.
- Participation in MHRD's National Mission for Teachers, Consultation Programme 2012, held at IIM Indore during 14th -15th Dec. 2012 under TEQIP.
- Lectures delivered in the subject of Hydraulic Machinery B.Tech. (Civil) Sem. VIII at NMIMS University, MPSTME Vile-Parle (w), Mumbai (2012-13).
- External Examiner (BE Civil Sem. VII) in ‘Dams and Hydraulic Structures’ at Bharti Vidyapeeth’s D.Y. Patil COE, Akurdi, Pune. Nov. 2012.
- Participation in “DST (GOI)-Lockheed Martin-FICCI” “India Innovation Growth Programme (IIGP) 2013” on 28th Jan. 2013 at Hotel Westin, Mumbai.
- Invited member Syllabus Revision Civil Engineering (Mumbai University) - 2nd Meeting on 2nd March at Pillai HOC PIIT Campus, Rasayani.
- Lecture delivered on “Managing the concept of strategic change within a higher education institution: the role of strategic and scenario planning techniques” in MHRD's National Mission for Teachers on “Management Capacity Enhancement Programme” held during April 29 to May 08, 2013 at IIM Indore.

2014-15

- Delivered invited lecture on “Infrastructure Development” at Inaugural function of Civil Engineering Association of Vartak College of Engineering, Vasai, Mumbai University on 17-09-2014.
- Delivered invited expert lecture on “Infrastructure and Construction Sector” at MES’s Pillai HOC College of Engineering and Technology Rasayani, Raigad, Mumbai University on 07-07-2015 during one week ISTE STTP on “ Emerging Technologies and Civil Engineering for Sustainable Development held during 6-11 July, 2015.

2015-16

- Participated in Two day Global summit: Indian Engineering Deans Council on “**Engineering Education-Current Scenario and Future Prospects**” organized by ISTE at Chennai during 31th July- 1st August. 2015.
- Member of Joint committee on Water Sector: IITB-SPCE Mumbai-VJTI Mumbai for association under TEQIP with IITB (CTARA) and VJTI Mumbai for water supply and drought management assessment schemes Government of Maharashtra (Academic Research and Practices, Coordination and Delivery).
- Invited speaker for one week ISTE STTP on “Sustainable Development in Civil Engineering” at SVERI COE Pandharpur during 14th to 18th Dec. 2015 and lecture on “Infrastructure and Construction Sector”.
- Invited speaker for one week Short Term Training Program on "Modern Trends In Construction Engineering & Construction Management” at Universal College of Engineering Kaman Mumbai on 24th Dec. 2015.
- Delivered lecture on “Infrastructure and Construction” in ISTE One Week Short Term Training Program on “*APPLICATION OF PRIMAVERA, MS-PROJECT, GPS- GIS AND SOFT COMPUTING TECHNIQUES IN CIVIL ENGINEERING*” during 18th -23rd January 2016 at AIKTCE Panvel (Mumbai University).
- Delivered lecture on “Laminar Flow and Turbulent flow through pipes” in Faculty Development Program at AIKTCE Panvel, 18-20 Feb. 2016 (Mumbai University).

2016-17

- Delivered lecture on “NBA outcome based education” during one day workshop for Head of the Departments of Engineering Colleges of Mumbai University on 21-12-2016 at TCET Kandiwali (West), Mumbai, Maharashtra, India.
- Delivered lecture on “Personality development, Organization, Team Building” during Three days training for Class III employees of SPCE Mumbai & WCE Sangli at AramdhhamLonavala Dist. Pune Maharashtra India during 18-20 November 2016 organized under TEQIP.
- Delivered lecture on “Personality development, Organization, Team Building” during Three days training for Class III employees of SPCE Mumbai at AramdhhamLonavala Dist. Pune Maharashtra India during 10-12 Dec. 2016 organized under TEQIP-II.
- Delivered lecture on “Personality development, Organization, Team Building” during Three days training on “Personality Development and e-learning” for Class IV employees of SPCE Mumbai, Dr. BATU Lonere and GCOE Aurangabad at Dr. BATU Lonere Raigad Maharashtra India during 22-24 Dec. 2016 organized under TEQIP-II-SPFU Maharashtra.
- Delivered lecture on “Personality development, Organization, Team Building” during Three days training on “Harmony at workplace” for Class IV employees of SPCE Mumbai, Dr. BATU Lonere and WCE Sangli at Dr. BATU Lonere Raigad Maharashtra India during 27-29 January 2017 organized under TEQIP-II.
- Delivered invited lecture on “Hydraulics System and its applications” to the Third Year Electronics students of SPIT Mumbai on 23 March 2017.

2017-18

- Delivered invited lecture on “How to prepare for institutional accreditation” on 04th April 2018 to the faculty during ISTE-AICTE-STTP at S. S.Jondhle COET Asangaon Thane, Mumbai University.
- Delivered Invited lecture to Students of Civil Engineering at Indian Institute of Technology Bombay Mumbai India on Careers in Civil Engineering on 03rd September 2017 organized by Students council of Civil Engineering IIT Bombay.
- Delivered Invited lecture to faculty of Civil Engineering at Universal College of Engineering Kaman, Vasai, Thane India Sustainable development.

- Meeting with Mentee institute TEQIP-III Coordinator COE Rewa and Discussion on academic exchanges, September 2017.
- Technical visit to Godrej & Boyce Mfg. Co. Ltd. For Industry Institute Interaction, 28 Oct 2017.
- Technical Visit to Airport Authority of India Juhu Airport Mumbai, 21-11-2017.
- One week Faculty Induction Programme at COEP Pune between 27-11-2017 to 02-12-2017 organised by NPIU India and COE Pune.
- Attended two days workshop on “Assessment of Jalyukt Shivar (Watershed) for water conservation in village areas” organized by Water conservation department Government of India, IIT Mumbai at Prof. Ram Meghe Institute of Technology & Research Badnera Amravati, Maharashtra on 04 & 05 Feb. 2018.

2018-19

- Delivered lecture on: Construction and Infrastructure” at SVKM NMIMS Shirpur Campus on 30-03-2019.
- Delivered lecture on “**Institutional participation for social commitment and Rural development**” during three days induction programme for faculty of SPCE Mumbai held at Lonawala Dist. Pune during 19-21- June 2018.
- Delivered lecture on “**Applications of Civil Engineering of Civil Engineering in Rural water development and management-a case study**” during Three days short term course on “Water Resources development and management for rural sector” held during 19-21 July 2018 at DattaMeghe College of Engineering AiroliNavi Mumbai, (for faculty and students of Mumbai University)
- Delivered lecture on “**NAAC Awareness: National assessment and accreditation council (NAAC) Self Study Report (SSR)**” at S.S. Jondhale COE at Shahapur Mumbai University during STTP on 4th April 2018 from 10 am to 5 pm.
- Delivered lecture during 3 days short term course on ‘**Water resource development and management for rural sector**’ at DattaMeghe college of Engineering, Airoli from 19th to 21st July 2018 on "Application of Civil Engineering in rural water development and Management – Case Studies " on 21st July 2018.
- Delivered lecture on “**Scenario of Engineering Education and Role of Institutions**” during three days "FDP" from 12th to 14th August 2018 at VVPIET, SOLAPUR Maharashtra.
- Delivered lecture on “**Laminar flow, Turbulent flow and Boundary layer Theory**” during FDP on Water Resource Engineering on November 29, 2018 at NMIMS MPSTME Mumbai.
- Attended one day workshop on Unnat Bharat Abhiyan at IIT Bombay on 20 December, 2018.
- Delivered invited lecture on “**Introduction to Offshore Engineering: Ocean and Coastal Engineering**” on 22-December 2018 during faculty development programme at SSJCET Asangaon, Thane, (Mumbai University).
- Delivered lecture on “**Outcome based education leading to accreditation**” on 27 December, 2018 during faculty development programme at VVPIET, SOLAPUR Maharashtra.
- Delivered invited experts lecture on “**Artificial Intelligence, Machine Learning and Data Mining**” on 01st March 2019 during one week Faculty development programme organized under Technical Education Quality Improvement Programme (TEQIP_III) during 23 Feb to 01st March 2019 at Government College of Engineering Jalgaon Maharashtra.
- Participated in the five days professional development programme organized by National Project Implementation Unit India (NPIU) and IIM Indore at Indian Institute of Management (IIM) Indore during 27-31 May 2019.
- Delivered lecture on “Data Mining: A Machine Learning Perspective (Applications in Ocean and Coastal Engineering) during workshop on Advanced Computing in Ocean Engineering and Applications held on 24-06-2019 at IIT Bombay.

2019-20

- Delivered lecture on “Ocean Wind Wave Simulation and Forecasting using Artificial Intelligence, Numerical Methods and Remotely Sensed Data ” during AICTE funded Faculty development programme on “ Applications of GPS and Remote Sensing in Civil Engineering (06-18 January, 2020) on 17-01-2020 at SPCE Mumbai India
- Delivered lecture on “ Civil Engineering and Rural Development-Case studies” during AICTE funded Faculty development programme on “ Applications of GPS and Remote Sensing in Civil Engineering (06-18 January, 2020) on 16-01-2020 at SPCE Mumbai India
- Delivered lecture on “Scope of Civil Engineering and Infrastructure Development” on 08 July 2019 at Government College of Engineering Amravati, Maharashtra.
- Participated in three days’ workshop “Tech4Seva” “Technology outreach as an enabler for inclusive and sustainable development” organized by Unnati Bharat Abhiyan and VijnanaBharati at held IIT Delhi during 10-12 August, 2019.
- Delivered Invited lectures on Fluid Mechanics: Laminar Flow, Turbulent Flow, Dimensional Analysis and Open Channel Flow under TEQIP-III twinning activities at Rewa Engineering College Rewa Madhya Pradesh during 16-20 September 2019 (5 days).
- Delivered invited lecture on “Construction Management and importance of Human Resources in Project Management” on 25-09-2019 at SGGSIET Nanded during AICTE-QIP faculty development programme on “Project Management for Engineers, Recent trends”
- Delivered Webinar on “RESEARCH ETHICS” on 26 April 2020, in association with Internal Quality Assurance Cell (IQAC) of SSJCET Asangaon Thane, University of Mumbai (during 3 day webinar series on Research Techniques and Challenges).
- Delivered Webinar on “INTERPERSONAL SKILLS IN RESEARCH” on 27 April 2020, in association with Internal Quality Assurance Cell (IQAC) of SSJCET Asangaon Thane, University of Mumbai (during 3 day webinar series on Research Techniques and Challenges).
- Delivered Webinar on “STRESS AND TIME MANAGEMENT IN RESEARCH” on 27 April 2020, in association with Internal Quality Assurance Cell (IQAC) of SSJCET Asangaon Thane, University of Mumbai (during 3 day webinar series on Research Techniques and Challenges).

2020-21:

- Delivered lecture on “Creating awareness about National Education Policy 2020” under Unnati Bharat Abhiyan to the faculty, students and Administrators on 22-09-2020 through webinar.
- Delivered webinar on “Creating awareness about National Education Policy 2020” under to the faculty, students and Administrators of VVPIET Solapur Maharashtra on 21-10-2020.
- Delivered experts lecture on Hydraulic Machinery to the Civil Engineering students of St. John College of Engineering Palghar, (University of Mumbai) on 24-10-2020.
- Delivered lecture on “Strategic Planning and Outcome Based Education” on 04th December 2020, during AICTE sponsored one week Training programme for faculty organized by SPIT Mumbai (University of Mumbai) India.
- Delivered lecture on “Webinar on "National Education Policy (With a Focus on Innovation & Entrepreneurship-NEP-2020)” organized for faculty and Administrators by the Anjuman-I-Islam' Kalsekar Technical Campus - Institutions Innovation Council (IIC), New Panvel (University of Mumbai) on 03rd February 2021.
- Delivered invited lecture on Introduction to ANN/GP/MT during one week FDP on "Artificial Intelligence, Machine Learning and Deep Learning for Remote Sensing, G.I.S. and GNSS Application Areas" organized at KITCOE Kolhapur Maharashtra India, on 24 and 27 March 2021.
- Delivered invited lecture on Civil Engineering and Infrastructure development at Saraswati College of Engineering (University of Mumbai) Navi Mumbai on 22 March 2021.

- Delivered lecture on “Webinar on "National Education Policy-NEP-2020)” organized for faculty and Administrators of SSJCTE (University of Mumbai) Asangaon Thane, Maharashtra India on 18 May 2021.
- Delivered lecture on “Webinar on "National Education Policy-NEP-2020)” organized for faculty and Administrators of SS Jondhale College of Engineering (University of Mumbai) Dombiwali, Maharashtra India on 26th May 2021.

2021-22

- Delivered talk on “Open Channel Flow” and “ Introduction to Offshore Engineering” as an invited speaker during faculty orientation program organized by SSJCTE (on behalf of University of Mumbai) Thane, Maharashtra India on 17 July 2021.
- Delivered talk on "Overview of Civil Engineering and Infrastructure Development". organized by R & D Cell, Department of Civil Engineering, Terna Engineering College, Nerul, Navi Mumbai in association with IC-ACI, IEI and CESA.
- Invited as a panel member for FY admission counseling of prospective students and parents, SPIT Online Katta, to solve doubts of aspiring students related to engineering courses and actual admission process on 29-10-2021 by SPIT Mumbai, India.
- Invited as an academic expert for the academic audit of the Civil Engineering department on 29th October 2021, of Dr. Babasaheb Ambedkar Technological University, State Technical University of Maharashtra at Lonere, Dist. Raigad.
- Delivered talk on "Overview of Civil Engineering and Infrastructure Development" organized by Bhagwant Institute of Technology at Barshi Dist Oshmanabad on 16-12-2021 (Affiliated to BATU University Lonere Raigad Maharashtra
- Delivered invited lecture on “Rural water supply and Infrastructure – Case studies” on 30 -12-2021 during AICTE-ISTE sponsored Induction/Refresher Program on “Recent Advancement in Environmental and Water Resources Engineering” organized by AIKTCE Panvel (Mumbai University).
- Delivered invited lecture on “National Education Policy NEP2020” on 31 -12-2021 during AICTE-ISTE sponsored Induction/Refresher Program on “Recent Advancement in Environmental and Water Resources Engineering” organized by AIKTCE Panvel (Mumbai University).
- Delivered invited talk on “Unnant Maharashtra Abhiyan and Role of Engineering colleges in Rural development” organized by Marathi Bhasha Mandal Sardar Patel College of Engineering Mumbai India on 24-01-2022.
- Delivered invited lecture on “ Introduction to Offshore Engineering at AP Shah Institute of Technology, Thane, Mumbai University.

2022-23

- Delivered online lecture on “ Introduction to Sustainability” during short term training programme on "Environment Engineering for Global Sustainability" (from 1st August-5th August) conducted by Saraswati Institute Of Technology Kharghar on 1st August 2022.
- Delivered lecture on Ports and Harbour on 4, 5 and 6th August 2022 at KIT Kolhapur
- Delivered lecture on “Sea Level Rise and Climate Change) on 02 January 2023 at VishwaNiketan IMEET Khopoli Raigad, Mumbai University during STTP on Climate Change, Mitigation and Adaptation, held during January 2023.
- Chaired session on 16 March 2023 during International Conference on Environmental Sustainability (ICES-2023) 16-17 March 2023, Veermata Jijabai Technological Institute, Matunga Mumbai
- Chairman PhD in Civil Engineering defense examination committee appointed by University of Mumbai for the candidate Pravin Vinayak Desai and Supervisor: Dr. S. K. Ukarande. (22-04-2023)

2023-24

- Delivered invited lecture on Mindfulness, Science and Spirituality during induction programme of 2023-24 batch admitted students in First Year B.Tech. in Civil/Mechanical/Electrical Engineering.
- External Examiner at Punyashlok Ahilyabai Holkar Solapur University on Title: Drought Prediction Candidate: Mr. Ajay U. Chavdekar
- Delivered lecture to faculty on National Education Policy 2020 during NEP2020 celebration week at Sardar Patel College of Engineering Mumbai India
- Conveyner First Year Institute level admission round 2023-24 at Sardar Patel College of Engineering Mumbai
- Member Internal Quality Assurance Cell (IQAC), Sardar Patel College of Engineering Mumbai
- Member implementation cell of National Education Policy (NEP2020) at Sardar Patel College of Engineering Mumbai
- Delivered invited lecture as a resources person on United Nations SDG: Implementation through National Education Policy (NEP) at Fr. C. Rodrigues College of Engineering Bandra, Mumbai University on 21st November 2023
- Member research committee PhD students in Civil Engineering at AIKTCE Panvel Raigad, Mumbai University (September 2023)
- Member research committee PhD students in Civil Engineering Pillai HOC College of Engineering and Technology Rasayani Raigad Mumbai University (September 2023)
- Reviewer of the manuscript titled “Analysis of the Effects of Canal Istanbul on the Turkish Straits System Ship Traffic: A Maritime Traffic System and Simulation Model” submitted to the Elsevier (Science Direct) Journal Ocean and Coastal Management
- Reviewer of the manuscript titled Trend Detection and Change Point Analysis of Inflows in Karuppanadhi and Gundar Dams of Chittar River Basin, Tamil Nadu, Journal of Water Practice and Technology, IWA publishing.
- Examiner for the PhD progress work on “Transforming Cantonments into Net Zero Locality: A Case Study for Replicating Across India.” of Chetan V Dhawad at VJTI Mumbai India.
- Examiner for M.Tech. Dissertation work on “Comparative study on residual capacity of bridge pier of 1% SFRC pier with conventional concrete pier after impact loading” at Government College of Engineering Amravati, Sant Gadgebaba Amravati University, Amravati Maharashtra India.
- Attended two days “Review of Safety of Hydro Power Projects” organized by C. W. & P. R. S. Department of Water Resources, River Development & Ganga Rejuvenation, Pune during 4th – 5th October 2023.
- Reviewed research paper titled “Rainfall- Runoff Modelling- A comparison of Artificial Neural Networks (ANNs) and Numerical Modelling” ISH journal of Hydraulic Engineering (TISH-2023-0129-Taylor and Francis).
- Member Board of Studies (BOS) of Civil Engineering, Mumbai University (01 September 2022 to 31st August 2027) nominated by the Hon. Vice-Chancellor of the Mumbai University.
- Receipt of Grant under Research & development- Department of Science and Technology (DST), Ministry of Science & Technology, Government of India as a mentor under "Women in Science and Engineering" (WISE-PDF scheme)-Earth and Atmospheric Sciences. Project tile: Structural control of landslides between Lonavala and Pune along Mumbai Pune expressway: Implication to Neotectonic Deformation: Principal Investigator: Dr. Suman Rawat (PDF) and Dr. A. R. Kambekar (Mentor)
- Coordinated Elocution Competition on 26.10.2023 in collaboration with the Airports Authority of India (AAI- A Central Public Sector Enterprise) and Sardar Patel College of Engineering as

a part of Vigilance Awareness Week is observed every year during the week in which the birthday of Sardar Vallabhbhai Patel falls.

- Reviewer of the Manuscript ID: SCCE-2308-1705 Manuscript Title: Evaluation of artificial neural networks in the prediction of the compressive strength of recycled aggregate concrete for the "Journal of Soft Computing in Civil Engineering" <https://www.jssoftcivil.com>.
- Invited as a subject expert in Civil Engineering to select ad-hoc faculty at Bharat College of Engineering Badlapur, Thane, Maharashtra, University of Mumbai on 17th December 2023.
- Delivered an invited lecture on “Introduction to Climate Change” during ATAL AICTE training and Learning Academy sponsored programme on Management of natural Resources in view of Climate change on 01st January 2024 at Saraswati College of Engineering Kharghar, Navi Mumbai, Mumbai University.
- Delivered invited talk on “Artificial Intelligence for Sustainable Coastal and Ocean Developments” during workshop organized by Ocean Engineering Department of Civil Engineering, Indian Institute of Technology Bombay on 12th January 2024 at IIT Mumbai.
- Invited to deliver talk on “Applications of Remote Sensing in Development Engineering” during short term training programme titled “Applications of Latest Technologies in Engineering” sponsored by Indian Society for Technical Education at AI Kalsekar Technical Campus, Panvel Mumbai, University of Mumbai on 18 January 2024 at Mumbai.
- Invited to deliver talk on “National Education Policy 2020” during short term training programme titled “Applications of Latest Technologies in Engineering” sponsored by Indian Society for Technical Education at AI Kalsekar Technical Campus, Panvel Mumbai, University of Mumbai on 18 January 2024 at Mumbai.
- Delivered an invited lecture on “Introduction to Climate Change” during short term training programme sponsored by Indian Society for Technical Education titled “Modern trends in design, construction, repairs and urban renewals” on 20 January 2024 Shri VileParle Kelwani mandals Shri Bhagubhai Mafatlal Polytechnic VileParle Mumbai.
- External examiner at BRAC’s Vishwakarma Institute of Information Technology, Pune, Ph.D. Research Proposal on Predicting the effect of climate change on soil moisture of research scholar Sakshi Ramchandra Pal (Savitribai Phule Pune university), February 2024.
- Reviewed research paper titled of Manuscript: "The Mitigating GHG Emissions from Military Supply Chain By Switching Over Logistics To ACW A Case Study For Replicating Across Mountainous Terrains In India" Defence Science Journal, Ministry of Defence, Metcalfe House, Delhi-India February 2024.
- Reviewer of paper titled: groundwater quality and health risk assessment in trenggalek karst springs and underground rivers as a drinking water source Water Practice and Technology Reference No: WPT-D-23-00429
- Shweta A. Patil and A. R. Kambekar (2022) “Dam failure analysis using hydraulics simulation model- A case study of Chaskaman dam” Sardar Patel International Conference on Industry 4.0 - Nascent Technologies and Sustainability for ‘Make in India’ Initiative (SPICON 2022) AIP Conf. Proc. 2985, 030002-1–030002-16; <https://doi.org/10.1063/5.0204484>, <https://pubs.aip.org/aip/acp/article/2985/1/030002/3278220/Dam-failure-analysis-using-hydraulics-simulation>
- Organized webinar and conducted Elocution/Speech Competition for students on Importance of Water and Water for Peace under Jal Jagruti Week at SPCE on 22 March 2024.
- Reviewer for a Book Chapter titled “Geo-statistical and Geotechnical Analyses of the Terrain of Onitsha Metropolis and its Environs in Anambra State, Southeastern Nigeria” BP Publications, Diamond Heritage Building, 16, Strand Road, Kolkata, 700001 West Bengal, India April 2024..
- Panel Member for Personal Interview Process -PhD Engineering and Technology Management 2024 at NMIMS Deemed to be University Mumbai.

- Member Program Assessment and Quality Improvement Committee (PAQIC) and Advisory Committee Meeting – Civil Engineering Thakur College of Engineering and Technology Mumbai University April 2024.

2024-25

- Advisory Committee board member for ISTE STTP - FDP on "Recent trends of Sustainable Construction Practices in Civil Engineering" on 08th July 2024- 13th July 2024 at SSJCET Mumbai University.
- Delivered invited lecture on 03-06-2024 topic "Implementation of NEP 2020 with pedagogy techniques" during AICTE Approved One Week Online Short Term Training Programme (STTP) On "Pedagogical practices with NEP Implementation for Curricular Development" held between 03-06-2024 to 08-06-2024 at Jawaharlal Darda Institute of Engineering Technology Yavatmal affiliated to Sant Gadgebaba Amravati University Maharashtra, India.
- Delivered invited lecture on 03-06-2024 topic "Role of Technical Institution" during AICTE Approved One Week Online Short Term Training Programme (STTP) On "Pedagogical practices with NEP Implementation for Curricular Development" held between 03-06-2024 to 08-06-2024 at Jawaharlal Darda Institute of Engineering Technology Yavatmal affiliated to Sant Gadgebaba Amravati University Maharashtra, India.
- Hon. Vice Chancellor's Nominee as a Member Board of Studies of Department of Civil Engineering, St John College of Engineering & Management, (An Autonomous College) Palghar w.r.t. letter College Affiliation & Development Department, University of Mumbai, Reference No: Aff./ICD/24-25/488 dated 22 May 2024 till 2027.
- Examiner of PhD thesis and Viva-Voce on "River Basin Scale Stream flow and Reservoir Storage Forecasting based on Large Scale Coupled Atmospheric Oceanic Circulation Patterns and Local Meteorological Inputs" of candidate Mr. Satyawan Dagadu Jagdale Punyashlok Ahilyadevi Holkar Solapur University, Kegaon Solapur 413255 Maharashtra, 18 June 2024.
- Invited as a mentor for NBA Accreditation work of Department of Civil Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere, Tal. Mangaon, Dist. Raigad, Maharashtra, Pin - 402 103 since June 2024.
- Examiner PhD thesis Ref. No. PhD/SNN/2023-24/13677-79 dated 26-03-2024 regarding Invitation as an Examiner of PhD Degree/Thesis for the faculty of Science and Technology in the subject of Civil Engineering Dr. Babasaheb Ambedkar Marathwada University Chha. Sambhaji Nagar Maharashtra, India, Candidate: Ms. Leena P. Aphale.
- Invited by Maharashtra Public Service Commission (MPSC) (Letter No. MCE-03/CAP/Ja. Kr. 201/2024/18) for confidential work for examination related work at MPSC office CBD Belapur Navi Mumbai.
- Delivered invited lecture on Sustainable Development Goals: Implementation through NEP to faculty of SSJCET Asangaon Dist. Thane, Mumbai University on 22 June 2024.
- Delivered invited session on "National Education Policy (NEP) for Engineering education for colleges affiliated to Mumbai University" for faculties of AP Shah Institute of Technology on Wednesday 03/07/2024.
- Invited to talk on "Rejuvenation of River Ganga: Technical and Societal Issues" During Online: ISTE Approved Self-Financing STTP on "The Advanced Thermal System and Hydraulic Machinery" @ TCET Kandiwali West Mumbai, University of Mumbai on 04.07.2024.
- Member Scrutiny Committee AICTE (Date: 11.05.2024) in connection with the desired changes of Existing Institute for the AY 2024-25," under North-West Co-ordination Centre, AICTE, HQ-Delhi.
- Chairman AICTE Committee Meeting held on 19.07.2024 for Disposal of Weeding out documents of Western Region (WR) office AICTE Mumbai.

- Reviewer of the research paper titled "Utilizing Gene Expression Programming Strategies for Estimating Relative Uplift Pressure Head at Key-Points Beneath Straight Horizontal Aprons" for ISH Journal of Hydraulic Engineering (August 2024).
- Expert Interview panel member for Tenure based faculty positions in M.Tech. (Civil Engineering) Sardar Patel College of Engineering Mumbai August 2024.
- Co-convenor of Institute Level Counselling Round for the First Year Under Graduate programme in Civil/Mechanical/Electrical Engineering for the year 2024-25 at Sardar Patel College of Engineering Mumbai.
- Invited talk on "Rejuvenation of River Ganga: Technical and Societal Issues" During Online: ISTE Approved Self-Financing short term training programme (STTP) held during 23rd September to 28th September 2024 on "Pioneering Advances in Civil Engineering (PACE – 24) held at Datta Meghe College of Engineering Airoli Navi Mumbai, University of Mumbai on 16-09-2024.
- Invited as an expert reviewer for MOCK NAAC at Anjuman-I-Islam's Kalsekar technical campus Panel on 16th November 2024 (Mumbai University).
- Member, Technical Advisory Committee of Indian Society for Technical Education (ISTE) Approved Self-Financing short term training programme (STTP) held during 23rd September to 28th September 2024 on "Pioneering Advances in Civil Engineering (PACE – 24) held at Datta Meghe College of Engineering Airoli Navi Mumbai, University of Mumbai.
- BOS Member for Civil Engineering Department, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal Maharashtra (Sant Gadge Baba Amravati University, Amravati, Maharashtra) October 2024 onwards...
- Delivered invited talk on "Innovation Potential in Research" on 31 December 2024 at Vishwatmak Jangli Maharaj ashram trust's (Kokamthan), Atma Malik institute of technology ISTE-approved faculty development programme (FDP) on Innovation & Entrepreneurship through academic research" December 30th, 2024 to January 3rd, 2025, University of Mumbai.
- Reviewer of research paper "Wave Farms for Coastal Protection: A Systematic Review of Effectiveness, Methodologies, and Future Directions" Manuscript Number: OCMA-D-24-02266, Journal of Elsevier: Ocean and Coastal Management.
- Member AICTE New Delhi Scrutiny Committee Meeting- (Central Region) on 11-02-2025.
- National advisory committee member on one day international multi-disciplinary e-conference on "Role of Artificial Intelligence in Sustainable Development" in collaboration with university of Mumbai on Saturday, 05th April, 2025, Children Welfare Centre, Clara's College of Commerce, Yari Road, Versova, Andheri (W), Mumbai – 400061
- Research Advisory Committee member for evaluation of PhD work of candidates at AIKTCE Panel and Pillai HOC COET Rasayani Dist. Raigad under University of Mumbai.
- National advisory committee member ISTE Approved International Conference on "MODERN ADVANCES IN CIVIL ENGINEERING AND TECHNOLOGIES" on 27th and 28th March 2025 at Department of Civil Engineering, Datta Meghe College of Engineering, Navi Mumbai
- Committee member for nomination of students for "Bank of Baroda Achievers Awards" March 2025 at SPCE Mumbai
- Examiner of PhD Thesis on "A Modern Deep Learning Approach to Develop a Model for Predicting Air Quality & Analysing Air Pollution" submitted by Mrs. Khedekar Sneha Purushottam to the Savitribai Phule Pune University, Pune- 411007, Maharashtra, India January 2025.
- Examiner of PhD Thesis on "Computational investigation of the flood on a reinforced concrete highway bridge" Thesis Submitted to Shivaji University, Kolhapur Mr. DIGAMBAR BALASAHEB PATIL March 2025.
- Invited as a session chair, Edu-Conclave 2025: Pragati Meet (18th March 2025) a transformative event focused on the Role of Higher Education in Rural Empowerment and Collaborative Social Leadership for Rural Transformation and Showcasing innovative solutions for rural

transformation organised by Thakur College of Engineering & Technology (TCET) Campus, Mumbai (University of Mumbai)

- Session Chair for the 5th International Conference on Recent Advances in Mechanical Engineering and Nanomaterials (ICRAMEN 2025) scheduled on May 15-16, 2025, organized by Department of Mechanical Engineering St. John College of Engineering and Management, Palghar

2025-26

- External examiner for thesis evaluation submitted by *Nikhil Shrihari Bembade* for the degree of doctor of philosophy (PhD) in the subject of civil engineering of shivaji university, Kolhapur (faculty of science and technology): “linear and nonlinear performance of concrete filled double steel tubular columns” June 2025.
- Invited as a Member of Board of Studies of Department of Civil Engineering, Mahatma Education Society’s Pillai HOC College of Engineering and Technology Rasayani, Raigad, (Mumbai University) An autonomous institution (June 2025-May 2028).
- Invited as an expert to deliver lecture on “Biological transformation of organic waste-a clean & sustainable approach of solid waste management (SWM): a biotechnological approach to sustainable construction” on 19 June 2025 during Basic AICTE-ATAL sponsored one week faculty development programme (offline FDP) on Green technology and sustainability
- Invited as an Expert speaker during AICTE-ATAL Faculty Development Programme (Online Mode) on “Smart and Sustainable Practices in Civil Engineering” from September 8 to 13, 2025. Vidyavaradhini CET Vasai, (University of Mumbai).
- External examiner for examining the thesis for Degree of Doctor of Philosophy (Ph.D.) in the subject of Civil Engineering titled “Evaluation of Seismic Performance of R. C. Elevated Water Storage Tanks” by Chetan Chitte submitted to the Amity University, Mumbai, Maharashtra (July 2025)
- Expert member of Board of Studies of Department of Civil Engineering, Jawaharlal Darda Institute of Engineering and Technology Yawatmal (An autonomous institution affiliated to Sant Gadge Baba Amravati University, Amravati, Maharashtra (July 2025 onwards--)).
- Invited as a Member of Board of Studies of Department of Civil Engineering, Anjuman-I-Islam’s Kalsekar Technical Campus, School of Engineering & Technology, New Panvel, Navi Mumbai, (Mumbai University) An autonomous institution (2025–26 to 2029–30.).
- Invited as a Keynote Speaker to talk on “Artificial Intelligence and Its Applications in Civil Engineering” during MULTINOVA 1.0 : International Conference on Artificial Intelligence in Engineering, Healthcare and Sciences (ICAIEHS- 2025) organized by Anjuman-I-Islam’s Kalsekar Technical Campus, School of Engineering & Technology, New Panvel, Navi Mumbai, (Mumbai University) during Date: 27th & 28th June 2025
- Invited as an Evaluator for the Level 1 – Cohort 16 of the IDEAS Program (The IDEAS Program supports early-stage innovators by helping them validate their concepts, understand customer needs, and build a strong foundation for execution) by Desai Sethi School of Entrepreneurship (DSSE) IIT Bombay (July 2025).
- Invited as an External Academic Auditor – Department of Civil Engineering, Pimpri Chinchwad College of Engineering (PCCOE), Nigdi, Pune (NBA Accredited | NAAC Accredited with 'A' Grade | An Autonomous Institute | AICTE Approved | ISO 21001:2018 Certified | Permanently Affiliated to SPPU, Pune
- Invited as an expert speaker to deliver a talk on “Innovation Potential in Research” during Three Days Faculty Development Program (FDP) on “Research Techniques & Paper Writing”, organized by the Department of Information Technology (11th August 2025).
- Placed 8 (UG+PG) students for internship in infrastructure projects in the industry in and around Mumbai.

Consultancy/Revenue earned

- Member Boundary demarcation with survey Team for Kurla Terminus railway station worth @ Rs. 4 Lakhs (Completed).
- Member, State Technical Agency (STA), Pradhan Mantri Gram Sadak Yojna (PMGSY), SPCE Andheri (West), Mumbai since Nov. 2013 ~.
- Peer Review for estimation of SWD works in Western Suburbs regarding reconstruction of nallas in Santacruz (W) consultancy amount = INR 7,62,000/- (Completed-01st January, 2014)
- Peer Review for estimation of SWD works in Western Suburbs - Widening, Deepening & Training Of S.N. D. T. Nalla From Proposed S. W. Pumping Station To Juhu Road Culvert In H/West Ward-Phase II work consultancy amount INR 8,04,260/- (Completed-20th May, 2014)
- Peer Review for estimation of SWD work in Western Suburbs – Reconstruction of Mogara Nalla in R.C.C. Box Drain from Saakar Swapna Bldg. to Avadh Narayan Tiwari marg, Andheri (E). INR 3,55,805/- (Completed- 13th August, 2014).
- Peer Review for estimation of SWD work in Western Suburbs – Training of Nalla from P.M.G.P. colony to ONGC colony at S.R. Mahadik Road, Jogeshwari (East). INR 2,04,488/- (Completed- 6th January, 2015).
- Peer Review for estimation of SWD work in Western Suburbs – Improvement of Storm Water Drain along Marol Maroshi Marg up to Krishna Nagar Nalla, Andheri (East). INR 2,30,660/- (Completed-13th August, 2014).
- Review and approval of training program and methodology for the National Graduates of Oman recruited by GALFAR E&C SAOG Company for Infiniti Programme management solutions Pune INR 1,22,832/- (Completed-9th September, 2014).
- Peer Review for estimation of Widening and Deepening and Training of S.N.D.T. Nalla from Juhu Road culvert to Pawan Hans culvert in H/west ward (Phase-III) INR 10,46,811/- (Completed-2014-15).
- Peer Review for estimation of Fees for Peer Review for estimation of Training and Construction of Shivaji Nagar Nalla from Mangalwadi to S.N.D.T. in K/ West ward INR 2,25,862/- (Completed-2014-15).
- Completed consultancy project of Independent Survey of Swashraya Co. Op. Hsg. Soc. Ltd. NA Plot CTS No. 400/1 and 400/2, of village Upsarastreet, Andheri (West), Mumbai 58. (INR 97,325/-) (Completed 2015-16).
- Consultancy of third part audit of NABARD buildings at Ghatkopar Mumbai (@ INR 6.5 Lakhs) (completed 2017-18)
- Consultancy of third part audit of Film City buildings at Goregaon Mumbai (@ INR 3.50 Lakhs) (completed 2017-18)
- Structural audit of Central Press Old Buildings, New Buildings, Director Central Press & Canteen Buildings, at Charni Road Mumbai (INR 10.96 Lakhs) (2018-19-In progress)
- Consultancy of Rs.1.18 Lakhs Hydraulic and hydrologic analysis at Malad East catchment (Omkar Contractor and Raje Consultant) (September 2019).
- Municipal Corporation of Greater Mumbai (MCGM) Letter No. Dy. Ch.E/SWD/3775/WS, dated 08.07.2021) to provide consultancy services for abatement of flooding at various locations in H/West ward of Mumbai INR 12.80 Lakhs) (2021-22/2022-23).
- Third Part inspection of Jawhar Nagar Parishad, water supply scheme construction work (Ref.: Bandhakam/ 1336/ Ka.VI/ 2019/Dated 19-08-2019 and Estimated Cost of Project: INR. 16.70 CR.) under Suvarna Jayanti Maharashtra Nagrothan Mahaabhiyan (Consultancy Charges @ INR 13 Lakhs)
- Municipal Corporation of Greater Mumbai (MCGM) to provide consultancy services for abatement of flooding at various locations in Malad Reservoir and Malad East SWD INR 17.50 Lakhs) (2021-22/2022-23)

- Municipal Corporation of Greater Mumbai (MCGM) to provide consultancy services for alternative design of SWD for abatement of flooding at various locations in H/West ward of Mumbai INR 2.00 Lakhs) (2023-24).
- Condition assessment report/Structural Audit of Palmlands CHS, 20, Pali Mala Road, Bandra (W), Mumbai- 400050 (February 2024-INR-3.00Lakhs)
- Structural Audit of a Andheri Anna Nagar Shiv Shakti SRA CHA Andheri West (INR 2.40 Lakhs) (April 2024)
- Structural Audit for replacement of Window Mumbai (INR 0.50 Lakhs). (April 2024)
- Condition assessment Arif Mansion, Irla Commercial & Residential Ground floor- Commercial, 1st to 3rd floor- Residential VileParle West, Mumbai (INR 1,47,736/-) (April 2024)
- Condition assessment Ahmed Mansion, Irla Society road, Ram Ganesh Gadkari Marg, Vileparle(W), Mumbai-400056. (INR 1,47,736/-) (April 2024)
- Condition assessment Shafi Mansion, Irla Irla Society road, Ram Ganesh Gadkari Marg, Vileparle(W), Mumbai-400056. (INR 1,47,736/-) (April 2024)
- Third party audit of water supply scheme, Reference: letter Ja. Kr./Pa. Pu. Vi/ ८७५/२०२४ dated 25/05/2024 regarding (न. पं. मोखाडा पा. पू. योजना त्रयस्थ लेखापरीक्षण) Mokhada Nagar Panchayat Mokhada. Dist. Palghar Pin Code: 401 604, Maharashtra (INR 26 Lakhs).
- Honorary Advisor for Technical Solutions on Sustainability Initiatives at ISKCON-Govardhan Eco-Village Palghar <https://ecovillage.org.in/sustainability-new/>

Conferences/Courses attended/Organized

2019-20

- Attended a course on Marine Infrastructure Development: Efficient Design of Ports, Terminals, Waterways & Coastal Structures” at IIT Bombay during Jul 1-5, 2019.

2018-19

- Participated in the Professional Development Training Professional Development Training organized by NPIU and IIM Indore IIM Indore NPIU

2016-17

- Attended Continuing Education Programme on “Design of Rural water Supply Scheme” on 23 September 2016 at Govt. College of Engg. Aurangabad under TEQIP/UMA/UBA.
- Attended meeting on State advisory Committee on UMA/UBA on 12 August 2016 at Mantralaya Maharashtra State (TEQIP).
- Organized Training on “Personality development, Organization, Team Building” during Three days training on “Personality Development and e-learning” for Class IV employees of SPCE Mumbai, Dr. BATU Lonere and GCOE Aurangabad at Dr. BATU Lonere Raigad Maharashtra India during 22-24 Dec. 2016 organized under TEQIP-II-SPFU Maharashtra.
- Organized Training cum workshop on “Harmony at workplace” for Class IV employees of SPCE Mumbai, Dr. BATU Lonere and WCE Sangli at Dr. BATU Lonere Raigad Maharashtra India during 27-29 January 2017 organized under TEQIP-II.

2015-16

- Attended 3rd National Conference on “Sustainable Water Resources Development and Management”, SWARDAM-2016 during 4-5 July 2016 at Govt. College of Engg. Aurangabad (TEQIP).
- Attended meeting for activities under “Unnat Maharashtra Abhiyan” at Bharti Vidyapeeth UCOE Pune on 26th Feb. 2016.

2014-15

- Participated in one day workshop on “Adding Sustainability to Engineering Courses” on January 16, 2015 at IIT Bombay organized by IIT Bombay in association with CENTER FOR SUSTAINABLE ENGINEERING (CSE) WORKSHOP (Syracuse University, Georgia Institute of Technology, Carnegie Mellon University, and Arizona State University).
- TEQIP-KIT-CDEEP Workshop on “Water Sector” on 12th September 2014 at IIT Bombay.
- Attended One day workshop on “*Outcome based education and accreditation for the faculty members of technical institutions*” on 07th Sept. 2014 at VJTI Mumbai.
- Participated in INDIAN TECHNOLOGY CONGRESS – 2014 on “Advanced Technology as Change Agent to Make India an Economic Superpower” 21 - 22 August 2014, NIMHANS Convention Centre, Bangalore organized by Institution of Engineers.
- Participated in the Three day workshop on “Internal quality assurance mechanisms” organized by Teaching Learning Centre IIT Madras held during 28-30 October 2014 at IIT Chennai.
- Coordinator training on MS project (3 days: 8 hrs daily) and Primavera (3 days: 8 hrs daily) by CADD Centre (Project Management Institute) for SPCE Andheri (West), Mumbai students (34 in Numbers) of Civil/Mechanical/Electrical Engineering during 13/14/15 Nov. 2014 and 17/18/19 Nov. 2014.

2013-14

- Attended and presented a paper during National Conference on TEQIP-II: Best Policies and Practices held at SGGS Nanded during 10-11 January, 2014 and presented a paper.
- Attended a Five day workshop on “Offshore Structural Engineering: Recent Developments, Challenges and Opportunities” held at NIT Durgapur during 25-29 Sept. 2013.
- Participated in a Training Programme on “Objectives & Outcomes based education system with special emphasis on feedback & Assessment of PEO’S & PO’S” at SPCE, Mumbai during 10-12 July 2014.

2012-13

- Participated in a National Conference on Hydraulics, Water Resources and Ocean Engineering- Hydro2012, held at IIT Bombay, Powai, Mumbai. (07th -08th Dec. 2012).
- Participated in a Three days training on “Dam Safety and Rehabilitation” at CWPRS (GOI, MoWR) Pune during 05-07 February 2013.
- Attended a One week Environmental Management System (Lead Auditor) training at Lloyds Register QA office Mumbai during February 11-15, 2013.

2011-12

- Participated in a National Conference on Hydraulics, Water Resources and Ocean Engineering- Hydro2011, held at SVNIT Surat, Gujrat.
- Participated in one day India-Canada Bilateral workshop entitled “Management and Valorisation of Industrial and Agricultural Wastes” The workshop was organized jointly by CESE, IIT Bombay, Centre for water, earth and environmental INRS-ETE, Qubec Canada and Laval University Qubec, Canada held on 12-10-2011 at IIT Bombay.

2009-10

- Attended and presented a paper during National Conference on Coastal Processes, Resources and Management, Centre for Earth Sciences studies (CESS), Thiruvananthapuram. Feb. 2010 India.
- Attended and presented a paper during a National Conference on Hydraulics, Water Resources and Ocean Engineering- Hydro2009, held at CWPRS Pune India.
- Attended and presented a paper during ASCE International Workshop on Computing in Civil Engineering, U.T. Austin, Texas, June 2009 USA.
- Attended IITB-IAESTE training program in Ocean Engineering from 20th January 2009 to 19th March 2009 at *TAISEI CORPORATION*, Technical Center, Tokyo, Japan.

2008-09

- Attended a National Conference on Hydraulics, Water Resources and Ocean Engineering- Hydro2008, held at MNIT Jaipur India.

2006-07

- Attended a National Conference on “Emerging Technology and Developments in Civil Engineering” at Government College of Engineering, Amravati 2007 India
- Attended a National Conference on Hydraulics, Water Resources and Ocean Engineering- Hydro2007, held at SVNIT Surat, Gujrat, India.
- Attended a Indian National Conference on Harbor and Ocean Engineering (INCHOE 2007), held at Karnataka NIT Surathkal, Karnataka India.
- Attended a National Conference on Hydraulics, Water Resources and Ocean Engineering- Hydro2006, held at Bharti Vidyapeeth, COE Pune, India.

2004-05

- Attended a 2nd Indian International Conference on Artificial Intelligence (IICAI-2005), held at National Insurance Academy (NIA) Pune India.

2002-03

- Attended a National conference on Water resources, Hydraulics, Ocean EngineeringHydro2002, held at IIT Bombay India.

FACULTY development Programme/Short Term Training Programme (Participation)

- Completed a SWAYAM course on “DIGITAL TRANSFORMATION IN TEACHING LEARNING PROCESS” organized during 04 April to 24 April 2020 by National Programme on Technology Enhanced Learning (**NPTEL**) by Indian Institutes of Technology Bombay and Technical Education Quality Improvement Programme (TEQIP) MHRD Government of India.
- Completed Faculty development Programme organized by National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh MHRD Government of India on “ENVIRONMENT AND SUSTAINABLE DEVELOPMENT” during 14 to 20 April 2020.
- Completed Faculty development Programme organized by National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh MHRD Government of India on “UNDERSTANDING PROJECT MANAGEMENT BASIC” during 27 April to 01 May 2020
- Completed Faculty development Programme organized by National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh MHRD Government of India on “STRATEGIC PLANNING FOR ENTREPRENEURSHIP PROMOTION” during 05 to 08 May 2020
- Completed Faculty development Programme organized by National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh MHRD Government of India on “RESEARCH ORIENTED PROJECTS” during 11 to 15 May 2020
- Completed Faculty development Programme organized by National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh MHRD Government of India on “LIFE SKILLS DEVELOPMENT” during 18 to 22 May 2020

- Completed a Certificate Course on “FROM CLIMATE SCIENCE TO ACTION” Coursera May 2020 <https://www.coursera.org>
 - Attended a course on ‘Coastal Structures’ between Nov. 18-22, 2002 at IIT Chennai, India
 - Attended a course on ‘Finite Element & Boundary Element Methods with Applications in Civil Engineering’ during Dec. 01 to 05, 2003 at IIT Bombay India.
 - Attended a course on ‘Integrated Water Resources Management Using Numerical Methods, Remote Sensing and GIS’ during Nov. 22 to 26, 2004 at IIT Bombay India.
 - Attended a course on ‘Soft Computing in Civil Engineering’ during Jan. 02 to 06, 2006 at IIT Bombay India
 - Attended a course on ‘Enabling Technologies & Technology Driven Practices for Accentuating Value Chain management’ during May 09 to June 03, 2006 at SPCE Mumbai, India
 - Attended a course on ‘Advanced techniques in Water resources management’ during Nov. 13 to 17, 2006 at IIT Bombay, India.
 - Attended a course on ‘Recent trends in water resources systems planning and management’ during Nov. 03 to 07, 2008 at IIT Bombay India.
 - Attended a course on ‘Advances in Geotechnical Engineering’ during April 12 to 16, 2010 at IIT Bombay, India.
 - Attended a course on “Coastal Processes and Modeling”, during March 19th-23rd, 2012 at IIT Bombay, Powai, Mumbai.
 - Attended a course on “Finite Element Analysis of Structures with MATLAB and ABAQUS Based Simulations” during 23rd July to 27th July, 2012 at IIT Delhi.
 - Attended a course on “Quality initiative in Technical and Higher Educational Institution” at Engineering Staff College of India Hyderabad. 28th-30th August, 2012.
 - Attended a course on Five day workshop on “Offshore Structural Engineering: Recent Developments, Challenges and Opportunities” held at NIT Durgapur during 25-29 Sept. 2013.
 - Attended a course on Five day training on “Knowledge and Innovation Management” by National Productivity Council of India during 26-30 May, 2014 at Leh-Ladakh.
 - Attended a course on "IPR & Ethical Issues in Engineering - Becoming Innovators" organized by Effective Quality Up-gradation Assistance for Technical Education (EQUATE) during 23rd-25th June 2014 at NOIDA UP.
 - Attended a course on “Hydro-climatic Modeling and Climate Change Impacts Assessment” during 30th June – 4th July, 2014 at IIT Bombay Mumbai under QIP.
 - Attended a course on Marine Infrastructure Development: Efficient Design of Ports, Terminals, Waterways & Coastal Structures” at IIT Bombay during Jul 1-5, 2019.

Other Important administrative work in the past

- Dean Academics since January 2016 ~
- Institute Academic Coordinator: 2013- Dec. 2015
 - Preparation of University extension of autonomy report submitted to University of Mumbai.
 - Preparation of extension of autonomy report submitted to UGC Delhi.
 - Civil Engineering Department, Procurement Committee member TEQIP-II SPCE Mumbai.

- Examiner Ph.D. Entrance Test Mumbai University for Water Resources Engineering.
- TEQIP and NBA report preparation team member at SPCE.
- Coordinator Civil Engineering Students Association for two years and organized lectures of various Eminent Experts in the field of Civil Engineering from India for students and faculties (Two years).
- Coordinator Two Days National level Technical Symposium for Students in Civil Engineering across India (Two years).
- Organized Technical Visits to various construction Sites in MS.
- Coordinator and Joint Coordinator for Admission process at Application receipt Centre at Sardar Patel College of Engineering, Andheri (w), Mumbai, India for MBA/MMS/MCA/Engineering/Pharmacy for Directorate of Tech. Education Maharashtra
- TEQIP-II Academic Audit Committee member.
- AICTE Observer for CMAT 2012/CMAT2013/CMAT May 2013 Examination for MBA.
- External examiner for “Dams and Hydraulic Structures” at BE Civil Sem. VII, Pune University. Nov.2012 Exam.
- Member TEQIP-II-MIS Committee SPCE Mumbai.
- Member, DTE MS committee for inspection of Engineering/Management/Pharmacy Colleges in Mumbai Region.
- Member TEQIP-II-Procurement Committee (Civil Engg.) SPCE Mumbai.
- Organized visit of Final Year BE Sem. VIII students of Elective-II: Water Resources Engineering and Management to CWPRS Pune on 28 Feb. 2013.
- Sub Liaison Officer (SLO) MHT-CET-2013 Examination, DTE Maharashtra.
- Observer for JEE 2014 Examination (CBSE) at Rizvi College of ASC Bandra (West), Mumbai on 06 April 2014

Lectures Arranged (Few Representative)

2014-15

- Lecture arranged on “Career counseling of SPCE students for admission in CBS University USA” on 10 July 2014, by **Prof. (Ms.) Divya Choudhary** (Associate Director, Graduate Engineering and Associate Professor Electrical and Computer Engineering of CBS University Memphis TN 38104 USA).
- Lecture arranged on “Study Abroad” by **Ms. Katrina Velkova** of ACE Overseas Education Consultants Mumbai.
- **Dr. Terry Cousens**, Faculty of Engineering (www.leedsindia.com/www.leeds.ac.uk/lubs) on 18 Nov. 2014 at SPCE Mumbai.
- Lecture arranged on Emerging World on 3D Printing helping Additive Manufacturing" by **Mr. P.J. Srikanth** Head Channel Sales CADD Center India at 12.00 Noon to 1.00 PM. on 17 March, 2015.

2015-16

- “Construction Management: Quality, Issues and challenges” by **Prof. B.A. Metri** Dean International Management Institute (IMI) New Delhi on 23rd July 2015.
- Expert guest lecture on: “Retrofitting of Structures” by **Dr. Gopal Rai** Chief Executive Officer, Dhirendra Group of Company (R&M International Pvt. Ltd.) India arranged for UG and PG students of Civil Engineering on Monday, 14th Sept. 2015.
- Expert guest lecture on: “Project Formulation and Role of Consultant” by **Mr. R. Ramakrishnan** (Addl. Chief Engineer (Retd.) JNPT Mumbai, Ex. Advisor-Gammon, NICMAR Pune arranged for PG students of Civil Engineering on Tuesday, 15th Sept. 2015.

Mumbai: June 2025



Dr. Ajaykumar Ramdas Kambekar
Associate Professor, Department of Civil Engineering,
BVB's Sardar Patel College of Engineering Andheri (West),
Mumbai, Maharashtra India