

Dr.Dnyaneshwar V Wadkar

BE (Civil Engg), ME Civil (Environmental Engg), PhD (Civil Engg)

Assistant Professor

Department of Civil Engineering

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Academic Qualification

Examination	University/Board	Institute	Year	Class
Ph. D	SPPU, Pune	DYPIET, Pune	2020	-
M.E. (Env)	Shivaji University, Kolhapur	WCE , Sangli	2003	I
B.E. (Civil)	Shivaji University, Kolhapur	RIT , Islampur	2000	I-Dist
HSC	HSC Board Pune	SGM , solapur	1995	I

Experience

INSTITUTE/FIRM	POST	DURATION	PERIOD
AISSMS's COE, Pune	Assistant Professor	03 rd Oct. 2002 to Till date	18Years
BVCOE ,Pune	Lecturer	10 st June 2002 - 30 th Sep 2002	04 Months
WCOE, Sangli	Lecturer	1 st July. 2001 -30 th June 2002	01 Years

Areas of Interest & subjects taught

📄 **Areas of interest- Environmental Engineering**

📄 **Subjects taught (UG Course)**

Sr. No.	Subject Taught	UG	FE/SE/TE/BE	No. of times
1.	Engineering Mechanics	UG	FE	07
2.	Basic Civil & Environmental Engineering	UG	FE	08
3.	Strengths of materials	UG	SE	02
4.	Air pollution and control	UG	BE	01
5.	Building Technology and materials	UG	SE	02
6.	Statistical Methods	UG	BE	01
7.	Environmental Engineering -I	UG	TE	12
8.	Environmental Engineering -II	UG	BE	12

Indian Society of Hydraulics membership (1397)

Life Member of IE (M1592895)

Responsibilities handled at Institute/university:

University level

- ❖ Subject Chairman- F.E (Theory)-Basic civil &Environmental engineering (2008 course)
- ❖ Subject Chairman-S.E (Theory)-Building materials And Construction
- ❖ Examiner & Moderator-Engg. Mechanics, Basic Civil and environmental Engg.
- ❖ Examiner (Theory/Practical)-Environmental Engg-I, Environmental Engg-II, Air pollution and control, Strength of Materials
- ❖ Paper Setter (Theory)- Environmental Engg-I
- ❖ Advisor member on Building committee for new construction under University of Pune

Institute Level

- ❖ Departmental R &D coordinator
- ❖ Building committee member
- ❖ Laboratory in charge of environmental engineering
- ❖ Project co-ordinator for final year civil engineering students.
- ❖ Seminar Co-ordinator for Third year civil engineering students.
- ❖ GFM for final year civil engineering students.
- ❖ Departmental Library-Faculty In charge.
- ❖ Joint Faculty co-ordinator for Indian concrete institute's (ICI)student Chapter
- ❖ Joint faculty co-ordinator for paper presentation and quiz competition in AISSMS Engineering Today.
- ❖ Moderation section-Officer for second year common assessment program (CAP) of university of Pune.
- ❖ GFM for F.E, S.E,& T.E class.
- ❖ Subject co-ordinator for Engineering Mechanics
- ❖ Departmental Time-Table In charge
- ❖ Faculty advisor of Environmental Engineering Centre
- ❖ Organizing committee member of National Symposium on "Durability of Concrete" held at AISSMSCOE, Pune on 1st March 2006.
- ❖ Faculty advisor for exhibition on Bio-sorption
- ❖ Setting up of Environmental Engineering Laboratory, Engineering Mechanics & Surveying Laboratory (related to FE)
- ❖ Involved in Preparation of Academic Calendar.
- ❖ Subject co-ordinator for Basic Civil Engineering.
- ❖ Faculty advisor for sustainable development centre.
- ❖ Departmental Library-Faculty In charge.
- ❖ Faculty co-ordinator for Indian concrete institute's (ICI)student Chapter
- ❖ Committee member for documentation of evaluation activities like Accreditation by NBA, State Government, etc of college

- ❖ Involved in activities like planning, construction, area measurement, survey of civil work etc

Publications:

☒ Number of paper published exclusively in Journals	: 10
☒ Number of Article published in newspaper(Times of India, etc)	: 04
☒ Number of paper Presented/published in Conferences (International and National)	: 09
☒ Number of Workshops/seminars/conferences attended/participated	:12
☒ Number of research project received financial assistance(Rs 2 lakh)	:01
☒ Number of books published	:03

Paper Publications

International journals [10]

- 1) A technical paper on “*prediction of residual chlorine in a Water treatment plant using Generalized regression neural Network*” is published in International Journal of civil engineering and technology , Volume 8, Issue 8, August 2017, pp. 1264–1270, ISSN Print: 0976-6308 and ISSN Online: 0976-6316 .Scopus and other 41 indexing agencies
- 2) A technical paper on “*Removal and Recovery of Hexavalent Chromium from Industrial Wastewater by Precipitation with Due Consideration to Cost Optimization.*” is published in International Journal of Environmental Research And Development [E-ISSN : 2319-5983] ,Vol.2 No. 2, pp. 209-216(Oct-Dec 2007) ,**impact factor -0.6,as per Scopus**
- 3) A technical paper on “*Impact of Textile industry on ground water quality with special reference to Ichalkaranji city (MS).*” is published in International Journal of Environmental Research And Development , Vol. 2 No. 4, pp. 717-725(April-June 2008),
- 4) A technical paper on “*Aerobic Thermophilic Composting of Municipal Solid Waste*” is published in International journal of science and technology, Vol 5 No. 3, pp.716-718, March 2013[ISSN0975-5462],**Index Copernicus international value(US) 3.14**
- 5) A technical paper on “*Urban town planning & applications of sustainable energy*” is published in international Journal of Multidisciplinary research(ISSN:2277-9302), Vol. 2 Issue 5(III), August 2013, pp. 30-34
- 6) A technical paper on “*Analysis of Water Distribution Network with Logical of Flow Allocation*” in ISH (Indian society of Hydraulics) **Journal of Hydraulic Engineering**[0971-5010 (Print),2164-3040 (Online)], Vol 13 No. 3, pp.66-77(special issue 2007), published by **Taylor and Francis, Impact factor -1.2**
- 7) A technical paper on “*Application of Feed Forward Neural Network for Prediction of Optimum Coagulant Dose in Water Treatment Plant* ” **Journal of Hydraulic Engineering**[ISSN: 2278-3075 (Online)], Vol 08 Issue 12, pp.1853-56, 2019 published by **Blue Eyes Intelligence Engineering & Sciences Publication**
- 8) Paper published on (2019).“*Modelling of Chlorine and Coagulant Dose in a Water Treatment Plant by Artificial Neural Networks.* ” Engineering, Technology & Applied Science Research, 9(3), June 2019 (Web of Science / Thomson Reuters Master Journal List / Emerging Sources Citation Index and other 44 indexing agencies)(accepted for publication)

National Journals [02]

- 1) A technical paper on "*Aerobic Thermophilic Composting of Municipal Solid Waste by solar energy*" is published in **Journal of Environmental Research And Development** [ISSN : PARIS ISSN 0973-6921], Vol 7 No.4A, April-June 2013, **impact factor-0.67, as per Scopus**
- 2) A technical paper on "*Eco Friendly model for aerobic Meso-Thermophilic composting of Municipal Solid Waste*" is selected for publication in **Journal of Environmental Science and engineering (NERRI) Nagpur** [ISSN 0367-827 X]

International Conferences [05]

- 1) Paper presented and published on "Multiple water quality modeling by ANN using Levenberg-marquardt and bayesian regularization Training function for a water treatment plant" at International Conference Hydro 2016 International at pune on 8-10th December 2016
- 2) Paper published on "*Quantitative and qualitative assessment of municipal solid waste for Nagpur city*" in international conference on Advances in mechanical and building sciences in the 3rd millennium at Vellore institute of technology(VIT) ,Vellore on 14-16 Dec 2009
- 3) Paper published on "*An Integrated Approach for Impact of Textile Industrial wastewater on Groundwater quality and treatment alternatives*" at International Conference On Natural Hazards And Disaster Management(IC-NHDM), at Hyderabad on 12-14th December 2007
- 4) Paper published on "*Techno Economical evaluation for removal and recovery of Hexavalent chromium from industrial wastewater effluent* " at International Conference On Natural Hazards And Disaster Management(IC-NHDM), at Hyderabad on 12-14th December 2007
- 5) Paper published on "*Urban town planning & applications of sustainable energy*" in 2nd international conference on Engineering, technology and social science in association with INAAR and INDO GLOBAL at Surat ,India on 24 August 2013

National Conferences [04]

- 1) Paper published on "*Advanced Flood Mitigation Techniques*", in National conference on Recent trends in civil engineering at Rajarambapu Institute of Technology, Sangli on 9th & 10th March 2007
- 2) Paper published on "*Analysis Of Water Distribution Network With Logical Approach Of Flow Allocation* ", in National conference- HYDRO 2006 arranged by Bharti Vidyapeeth's College of Engg., Pune on 8th & 9th December 2007
- 3) Paper published on "Removal and Recovery of Hexavalent Chromium from Industrial Wastewater by Precipitation with Due Consideration to Cost Optimization." in International Congress of Environmental Research-2007(ICER-07) at Bhopal on 28th -30th December 2007
- 4) Paper published on "Impact of Textile industry on ground water quality with special reference to Ichalkaranji city (MS)." in International Congress of Environmental Research-2007(ICER-07) at Bhopal on 28th -30th December 2007

Workshop/STTP/Seminar /FDP/attended

1. Frontier Technologies in waste Management January 15-17, 2014 National, AISSMS College of Engg. Pune
2. Advanced wastewater treatment technologies March 25-26, 2013, National AISSMS College of Engg. Pune
3. Soft computing and its application in engineering February 5-6, 2014, State ,AISSMS College of Engg. Pune
4. Research Methodology 2 day, State ,Marathwada M M's Institute of Technology, Lahogaon, pune

5. Data mining and optimization Techniques in computer engineering ,2 day 11, 12 December 2014, State, AISSMS College of Engineering, Pune
6. Intellectual property rights -patents 1day State AISSMS College of Engineering, Pune.
7. Faculty Development Program 2 day college level AISSMS College of Engineering, Pune
8. Participated at Two day national Seminar on “Soft computing and its applications in engineering” organized by Department of computer engineering, AISSMS College of engineering, Pune , on February 5-6, 2014
9. Participated at Three day national conference on “Frontier Technologies in waste management” organized by AISSMS College of engineering, Pune , on January 15-17, 2014.
10. Attained two day state level seminar national on “Advanced wastewater treatment technologies” organized by AISSMS College of engineering, Pune , on March 25-26, 2013
11. Participated at Three day faculty development programme” organized by AISSMS College of Engineering, Pune , on May 15-17, 2013
12. Short term training program on” Mission 10X Learning Approach(MXLA)” held at Cummins’s Women College of Engineering during 7th – 11th July 2008 (05 Days)
13. One day workshop on “Implementation of Revised syllabus of the subjects Basic civil &Environmental engineering and Engineering Mechanics” for F.E of University of Pune ,on 9th April 2008.
14. National Waste in Urban Areas” held at The Institution of Engineers India, Pune Local Centre during 15th – 16th October 2004 Symposium on “Durability of Concrete” held at AISSMSCOE, Pune on 1st March 2006
15. Workshop on “Environment Pollution and Awareness” held at DYPCOE, Akurdi, Pune on 6th September 2004
16. Seminar on “Environmental Problems in Waste Water and Solid waste management “at COE, Pune, 13 Aug 2004
17. Short term training programme on” Special methods of Teaching Engineering mechanics”held at AISSMS COE during 12th – 16th July 2004
18. Workshop on Rain Water Harvesting held at BAIF, Pune on 18th April 2004
19. Two day workshop on “Engineering Mechanics-Effective teaching Methodology” on 9th &10th January 2004 at AISSMS COE, Pune
20. Air Pollution – a Global Threat to our Health, 5 Week, University of Copenhagen, Joint Monitoring Programme by WHO
21. Introduction to Household Water Treatment and Safe Storage, 5 Week, École Polytechnique Fédérale de Lausanne,Joint Monitoring Programme by WHO
22. Municipal Solid Waste Management in Developing Countries, 5 Week, École Polytechnique Fédérale de Lausanne,Swiss Federal Institute for Environmental Science and Technology
23. Moodle Learning Management System, 04/05/20 to 09/05/20, Anantrao Pawar College of Engineering and research , Pune
24. FDP -Online Course on Examination Reforms conducted by AICTE, – 29th April to 02nd May 2020., AICTE New Delhi

25. Q Cad, 17 May 2020 to 21 May 2020, Indira College of Engineering and Management
26. Municipal Solid Waste Management, 28/05/2020 to 30/05/2020, Anurag University Telangana
27. ICT tools for Online Teaching, 04/06/2020, Sanjivani College of Engineering, Dept. of MBA, Kopargaon
28. A Smart and Sustainable World in Concrete and Structures, 04/06/20 to 08/06/20, AISSMS College of Engineering, Pune
29. Promoting Quality Culture in Technical Institutions, 25 May 2020 to 29 May 2020, AISSMS College of Engineering, Pune
30. Prefabricated Dry Construction Technology, 29th May 2020, AISSMS College of Engineering, Pune
31. Re-Engineering The Supply Chain:Imperatives For Post pandemic Scenario, 7th June 2020, AISSMS College of Engineering, Pune
32. Advanced Digital Content Creation Tools and Techniques for Education, 31th May 2020, AISSMS College of Engineering, Pune
33. Role and important of pre-incubators and Accelerators in HEIs, 29/04/2020, MHRD's Innovation Cell - Online Session
34. Hangout With Emerging Innovative Entrepreneur o, 30/04/2020, MHRD's Innovation Cell - Online Session
35. Ferrocement Applications, 10/06/2020, AISSMS College of Engineering, Pune
36. Advanced Digital Content Creation Tools and Techniques for Education, 31/05/2020, The Institution of Engineers (India) and ioCare,Pune
37. Student - Alumni Interaction Linkage, 20/06/2020, AISSMS College of Engineering, Pune
38. Energy and Innovation, 27/05/2020, AISSMS College of Engineering, Pune

Workshop/STTP/Seminar /FDP/organized

1. Two days State level Seminar on 'Advanced Wastewater Treatment Technologies' on 25th -26th March 2013, organized by Chemical and Civil Engineering Department, AISSMS's COE, Pune.
2. As a Managing Committee for National Conference 'Frontier Technology in Waste Management' held on 15th – 17th Jan.2014,organized by Chemical and Civil Engineering Department , AISSMS's COE, Pune.
3. Department of Civil Engineering, AISSMS's COE, Pune organized One Day Workshop on Drafting of BE Civil Syllabi held on 10th June 2015 at AISSMS's COE, Pune.
4. As an Organizing Committee Member for " Post graduate Conference 2016", held on 09th -10th June 2016, organized by Department of Civil Engineering in Association with BOS Civil Engineering, SPPU, Pune.
5. AISSMS COE, Pune and ITI, Borobhadak in association with VESBE Germany organized Indo - German conference on "Water Management" held on 29th May 2017 at Sherlton Hotel, Pune.
6. Coffee and Conversation with Alumni, 11 June 2020, Coordinator, Mr. Swapneel Deshpande *(Design Engineer & Head of Marketing at EMS LLC, Houston, USA.Co-Founder & Owner at ModernBlox LLC, USA)*
7. Alumni interaction with students, 01May2020, Coordinator, Vikram Dhoot, Dhoot Industries
8. Alumni interaction with students, 02 June 2020, Coordinator, Mr. Vivek D. Kate, Kate industries
9. Coffee and Conversation with Alumni, 27 May 2020, Coordinator, Mr. Shivam Phadtare-Project controls Manager - SoCalGas Company - Los Angeles, USA)

10. Environmental engineering I –Quiz organized , 28 May 2020, Coordinator, Online quiz with certification
11. Alumni interaction with students, 09 June 2020, Coordinator, Mr.Jitendra Pethkar, MD - Pethkar Project
12. Alumni interaction with students, 4/28/2020, Organizer, Akhilesh Mishra- Yardi Software pvt ltd pune
13. Alumni interaction with students, 4/29/2020, organizer, Kunal maharukar- Dassault Systemes Global Services, Pune
14. Alumni interaction with students, 27April 2020, Organizer, Sarish Kanugo
15. Alumni interaction with students, 4 May 2020, organizer, Mr Dhirendra Kumar
16. Alumni interaction with students, 5 May 2020, Organizer, Dr Chankya Kumar,
17. Alumni interaction with students, 5 May 2020, organizer, Ashutosh Thatte
18. Alumni interaction with students, 12May2020, Organizer, Pushpak n katkhede
19. Alumni interaction with students, 10 May 2020, organizer, Shantanu Pathak
20. Alumni interaction with students, 11 May 2020, Organizer, Prasad Venikar
21. Alumni interaction with students, 12 May 2020, organizer, Pradeep Patil
22. Alumni interaction with students, 14 May 2020, Organizer, Aishwariya Chandrasekhar
23. Alumni interaction with students, 14 May 2020, organizer, Dr. Yash Tamhanka
24. Alumni interaction with students, 15 May 2020, Organizer, Chetan Shende
25. Alumni interaction with students, 16 May 2020, organizer, Saurabh Patil
26. Alumni interaction with students, 17 May 2020, Organizer, Ashu Sahu
27. Alumni interaction with students, 18 May 2020, organizer, Rajesh Joshi
28. Alumni interaction with students, 22 May 2020, Organizer, Shubham S Ghodke
29. Alumni interaction with students, 23 May 2020, organizer, Akshay A Misal
30. Alumni interaction with students, 23 May 2020, Organizer, Sanjay s Bodhani
31. Alumni interaction with students, 23 May 2020, organizer, Amol A Chandhari
32. Alumni interaction with students, 25 May 2020, Organizer, Akash P Malas

Research Project

- 1) Project title- Development of eco-friendly model for removal of CO_x by using adsorbents and absorbents
- 2) Sponsoring authority-University of Pune
- 3) Time duration-2 years
- 4) Budget-2 lakh
- 5) Co investigator: Dr Alka S kote,P R Modak

Articles Published in Newspapers

- 1) "AISSMS clean air with coconuts" is published in **THE TIMES OF INDIA** dated 10/10/17 related to air pollution control project sponsored by SSPU
- 2) "SILENCING the noise" is published in **The Indian EXPRESS** dated **15/07/08** (PUNE News line page No.07) related to project work of final year civil engineering students.(Academic year 2008-09)
- 3) "Fighting pollution, nature's way" is published in **THE TIMES OF INDIA** dated **16/07/08** (page No. 07) related to project work of final year civil engineering students.(Academic year 2008-09)
- 4) "Walking plaza too noisy: Study" is published in **DNA Pune** dated **09/07/08**(page No.05) related to project work of final year civil engineering students.(Academic year

2008-09)

List of Books published

1. **Basic civil and environmental Engineering** by Technical publication for first year engineering (ISBN 978-93-5099-130-5)
2. **Building Technology & Materials** by Technical publication for Second year Civil engineering (ISBN 978-93-5099-154-1)
3. **Concrete technology** by Technical publication for Second year Civil engineering (ISBN:978-93-5099-660-7)

Social Contribution

- ✓ Worked as Presiding Officer for PMC Election duty held on 21st Feb.2017.

27 July 2020
Pune

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