


Capt. (Dr.) Nitin Pandurang Sonaje, M.B.A., M.E., PhD (Civil Engg)

Office Address: Capt. (Dr.) N. P. Sonaje Principal, Government Polytechnic Gadchiroli, MIDC Road, Gadchiroli, Maharashtra - 442605 e-mail: nitinsonaje@yahoo.co.in Mob: +919822315705 / +919921676731	Residential Address: Capt. (Dr.) N. P. Sonaje Flat No. 406, Sachi Residency Phase -2, Near Water Tank, Rajendra Nagar, Kolhapur – 416004, Maharashtra (India) e-mail: nitinsonaje@yahoo.co.in Mob: +919822315705 / +919921676731	
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Male, born on Apr 24, 1972, Married
Languages known: English, Marathi, Hindi

CAREER OBJECTIVE

Present objective is to establish a strong group and alliances to work at the various branches of Civil Engineering. To utilize knowledge, analytical skills and experience to explore interdisciplinary research to create advance technologies and provide technical support to groups with common interests.

HIGHLIGHTS

- Having about total 22 years plus of experience in the professional civil engineering services as well as teaching, research, consultancy and academic administration in Government and private sector.
- Out of which about 15 years of academic administrative experience at State Govt. University in various sections out of which 3½ years as a Registrar of State University (Solapur University, Solapur).
- 06 years of Indian Army Engineers experience at Captain Rank.
- Doctorate in Engineering with MBA in Higher Education
- Experience in leading a team of multi cultural and multi ethnical personnel in the field of engineering, technology and consultancy.
- Experience in leading a team of architects, consultants, engineers and contractors for timely completion of the projects with strong ethical convictions and a commitment to quality service.
- Experience in providing consultancy services in Civil engineering profession and academic activities.
- Experience in establishing priorities and meet multiple deadlines.
- Experience in understanding complex rules and regulations and to apply them appropriately.
- Capability to get the work done through motivation with strong interpersonal skill.
- Experience in multiple capacities and contributed to the field of teaching, learning, research, and administration and community services.
- Served on various Academic Bodies of parent and other universities including expert of the Selection Committee, Research and Reorganization Committee, Co-ordinating Officer to Search Committee for Vice Chancellor, Solapur University.
- Guided two PhD scholars and eight M.Tech (Environmental Science & Technology) students.
- 44 Research papers published in National and International Journals, out of which 25 papers are in Good Impact Factor Journals.
- Member of National Assessment and Accreditation Council (NAAC) Peer Team for Engineering and Management.
- Member and Fellow of various professional bodies in the field of Civil engineering, Structural engineering, Water resources and Military engineering, Valuers organization, etc.

ADMINISTRATIVE AND PROFESSIONAL EXPERIENCE

1. Aug 2018 - Till date, Principal, Government Polytechnic Gadchiroli, Maharashtra (India).
2. Nov 2003 - Aug 2018, Deputy Registrar, Shivaji University, Kolhapur, Maharashtra.
3. Nov 2009 - Apr 2013 (On lien), Registrar, Solapur University, Solapur.
4. Apr 2002 - Oct 2003, Consultant- Tech Services, ING Vysya Bank Ltd., Mumbai.
5. Jun 1990 - Aug 1991, Site Engineer, Natraj Consultant, Lasalgaon, Nashik, Maharashtra.
 - Professional and educational institute experience.
 - Experience in professional civil engineering services as well as teaching, research, consultancy and academic administration in Government and private sector.

- Experience in providing consultancy services in Civil engineering profession and academic activities.
- Handling of legal matters.
- Formulated and got approval of Statutes, Ordinances, Rules and Regulations.
- Formulated the duties and responsibilities of the officers and other administrative staff.
- Estate management for 340 hectares area.
- Custodian of all documents, movable and immovable property of the University.
- Prepared and executed the Tender Documents, Agreement Documents and Annual Maintenance Contract Documents.
- Material Management from procurement, distribution and stock accountings.
- Recruitment of Teaching and Administrative Staff.
- Conduct of the meetings of the Senate, Management Council, and Academic Council from preparation of agenda to confirmation of minutes of meeting.
- Part of the team of writer of Shivaji University Account Code, which is subsequently accepted and admired by the Govt. of Maharashtra.
- Thorough knowledge of University's Post Graduate and PhD admission.
- Administration of Center for Distance Education including online admission to result declaration of about 40,000 distance learners.
- Prepared Rule and Regulations pertaining to academic matters.
- Experience in pre, on and post examination work.
- Conduct of annual convocation process.
- Verification and attestation of academic certificates and preparation of transcript.
- Successfully and timely prepared and executed computerization of "Finance and Account" system.
- Executed interior and exterior renovation works of 11 Branches, hiring of the premises for ATMs and Bank office of ING Vysya Bank worth Rs.430 Lacs.
- In charge for general administration other than routine banking operations (i.e. equipments, machinery, housekeeping, security, fire fighting, etc).

TEACHING AND RESEARCH EXPERIENCE

1. Mar 2015 - Oct 2016 (Additional Charge), Director, Center for Distance Education, Shivaji University, Kolhapur
✓ Academic administrator for about 40000 distance learners.
2. Jun 2008 - Dec 2008 (On lien) Professor, JSPM's Imperial College of Engg. and Research, Wagholi, Pune
✓ Taught to degree engineering subjects like Elementary Civil Engineering and Strength of Materials.
3. Apr 2001- Mar 2002, Adhoc Lecturer, College of Military Engineering, Pune
✓ Taught subjects like Fluid Mechanics and Building Materials as a part of engineering degree programme.
4. Contributory faculty:
 - Jun 2013 - May 2016 and Jun 2004 - May 2009, Dept of Environmental Science and Technology for M. Tech course.
 - Jun 2010 - Mar 2013, STB College of Engg., Tuljapur for M.E. (Water Resources Mgt) course.
 - Jun 2004 - May 2009, Dept. of Management, Shivaji University, Kolhapur for MBA course.
✓ Taught subjects in engineering and technology as well as management like Ground Water, Industrial Wastewater Treatment, Advance Water and Wastewater Treatment, Material Management and Human Resources as a part of post graduate programmes.
5. Jun 2004 – Oct 2007, Research Scholar, Shivaji University, Kolhapur

INDIAN ARMY (CORE OF ENGINEERS: COMBAT ENGINEERING) EXPERIENCE

May 1995 - Jun 2001, Captain, Indian Army (Corps of Engineers)

- Training, motivating and leading a sub-unit of approx 200 men to fight as a cohesive unit in war, function efficiently in counter insurgency operations and other peace time operations.
- Management of mechanical transport fleet of 70 vehicles and engineer earth moving plants like earth movers, dozers, etc of 30 in nos.
- Material management to the tune of approx Rs.300 Million ranging into an inventory list of 56000 items including sensitive electronic equipments, arms and ammunitions.

- Logistic, planning and organization of 1000 personnel in war and peace with engineering transport fleet of 70 vehicles and equipment fleet of 30 numbers.
- Blasting, demolition and handling of engineer explosives.
- Construction and maintenance of operational shelters at an altitude of 14000 feet.
- Organization of training, social, cultural and sports events.

ACADEMIC QUALIFICATION

- 2007, **Ph.D. (Civil Engg)**, Shivaji University, Kolhapur, Thesis entitled “Use of Information System (Sof Computing Tools) for Infiltration Modeling in Rainfall – Runoff Simulation”.
- 1997, **M. E. (Civil) Water Resources Management**, Gujrat University, Ahmedabad with 68.44%.
- 1994, **GATE (Civil Engg.)** qualified with percentile score 69.09.
- 2010, **M.B.A. (Higher Education)**, Shivaji University, Kolhapur, with 59.00%.
- 1994, **BE (Civil - Water Mgt)**, Dr. B.A. Marathwada University, Aurangabad with 65.66%.
- 2000, **Master Diploma** in Personnel Mgt and Industrial Relations, Symbiosis Institute of Management Studies, Pune with 63.00%.
- 2001, **Post Graduate Diploma** in Foreign Trades, Symbiosis Institute of Management Studies, Pune with 70.00%.
- 1990, **DCE**, Govt. Polytechnic Nagpur with 73.90%.

MILITARY QUALIFICATIONS

- 08May 95 - 08 Mar 96, Basic Military Training, Officers Training Academy, Madras.
- 14 Oct 96 - 05 Apr 97, Young Officers (Engineers) Course, College of Military Engineering (CME), Pune.
- 29 Sep 97 - 01 Nov 97, Engineer Officers Camouflage Course, CME, Pune.
- 05 Nov 97 - 27 Jan 98, Nuclear, Biological and Chemical Warfare Course, CME, Pune.
- 09 Nov 98 - 30 Jan 99, Engineer Officers Combat Engg Instructor Course, CME, Pune.

PUBLICATIONS

Journal Paper Publications (41International and 03 National)

1. Mane S. J. and **Sonaje N. P.**, 2018, Artificial Neural Network model for Respirable Particulate Matter Concentration Prediction, International Journal of Technical Innovation in Modern Engineering and Science, Vol.- 4, Issue 6, Pg. 1479 -1486, **ISSN** 2455 2585. (IF 5.22)
2. **Sonaje N. P.** and Mane S. J., 2018, Development of SO₂ Prediction Model with Artificial Neural Network for Pune City, International Journal of Application or Innovation in Engineering and Management, Vol.-7, Issue 6, **ISSN** 2319 4847. (IF 2.379)
3. **Sonaje N. P.**, Deshmukh G. K. and Rawat U. M., 2018, Effect of Variable Frequency Drive on Energy Optimization: A Case Study of Lokmangal Sugar Ethanol and Co-Generation Industries Ltd., Bhandarkawathe, Solapur, IOSR Journal of Engineering, Vol.- 08, Issue- 03, Pg. 25-28, **ISSN** 22503021. (IF 1.645)
4. Gawade S.P. and **Sonaje N. P.**, 2017, Designing of Curriculum Aspects of Pharmacy Undergraduate Course in Respect of Graduate Employability, Indian Journal of Pharmaceutical Education and Research, Vol.- 51, Issue-04. Pg. 502-509, **ISSN** 0019 5464. (IF 0.219)
5. **Sonaje N. P.**, Deshmukh G. K. and Sathe N. J., 2017, Strength and Volume Reduction of Wastewater in Sugar Industry: A Case Study of Vitthalrao Shinde Sahakari Sakhar Karkhana Ltd., Pimpelner, International Journal of Research Publications in Engineering and Technology, Vol.-3, Issue-9, **ISSN** 2454 7875. (IF 2.97)
6. **Sonaje N. P.** and Deshmukh G. K., 2017, Water Conservation in Sugar Industry: A Case Study of Lokmangal Sugar, Ethanol and Co-Generation Industries Ltd, Bhandarkavathe, International Journal of Innovations in Engineering Research and Technology, Vol.-4, Issue- 8, Pg. 20-26, **ISSN** 2394 3696 (IF 5.558)
7. **N. P. Sonaje** and Deshmukh G. K., 2017, Review on Performance Evaluation of Sugar Industry Through Energy Conservation, International Journal of Application or Innovation in Engineering and Management, Vol.- 06, Issue-07, Pg. 176-178, **ISSN** 2319 4847 (IF 7.319)
8. **N. P. Sonaje** and M. B. Chougule, 2015, Unit Operations in Pilot Wastewater Treatment Plant Used for Textile Wet Processing - A Review, International Journal of Research in Advent Technology, Vol.3, No.11, Pg. 38-45, **ISSN** 2321 9637. (IF 2.865)

9. **N. P. Sonaje** and M. G. Joshi, 2015, A Review of Modeling and Application of Water Distribution Networks (WDN) Softwares, International Journal of Technical Research and Applications, Vol. - 03, Issue - 05, Pg. 174-178, **ISSN** 2320 8163. (IF 4.395)
10. **N. P. Sonaje** and A. A. Kulkarni, 2015, Moisture Content in By-products of Sugar Industry: A Critical Review, International Journal of Engineering Technology and Computer Research, Vol.-3, Issue-05, Pg. 56-60, **ISSN** 23482117. (IF 3.983)
11. **N. P. Sonaje** and V. B. Koli, 2015, Hydrology - Ecology Relationship in Streams: A Review, International Journal of Engineering Research And Management, Vol.- 02, Issue - 09, Pg. 73-76, **ISSN** 23492058. (IF 2.36)
12. **N. P. Sonaje** and M. B. Chougule, 2015, An Experimental Study on Water Reuse in Textile Pre-Treatments Especially in Scouring and Bleaching, International Journal of Advanced Research, Vol.- 3, Issue - 3, Pg. 707-711, **ISSN** 23205407. (IF 4.588)
13. **N. P. Sonaje** and M. B. Chougule, 2015, Wastewater Recycling in Cotton Textile Wet Processing: An Experimental Study, International Journal of Engineering Research and General Science. Vol.-3, Issue- 2, Pg. 384-390, **ISSN** 20912730. (IF 3.843)
14. **N. P. Sonaje** and M. B. Chougule, 2015, Municipal Wastewater Recycling in Cotton Textile Wet Processing - A Review, International Journal on Recent and Innovation Trends in Computing and Communication Vol.-3, Issue-3, Pg. 992 – 1000, **ISSN** 23218169. (IF 5.837)
15. **N. P. Sonaje** and N. D. Berlekar, 2015, Modeling of Wastewater Treatment Plant Design for Pulp and Paper Industry: A Review, International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development Vol. - 05, Issue - 01, Pg. 59-68, **ISSN** 22496866. (IF 5.923)
16. B. A. Yadav, **N. P. Sonaje** and N. J. Sathe, 2015, Design of Hydraulic Jump Type Stilling Basin at Warana Canal, Elixir International Journal of Civil Engineering. Vol. 79, Pg. 30286-30288, **ISSN** 2229712X. (IF 5.525)
17. Thorvat A. R., **Sonaje N. P.** and Mujumdar M.M., 2015, Regression Modeling and Impact Assessment of Panchaganga River Water Quality in Kolhapur City, International Journal of Advance Foundation and Research in Science and Engineering Volume 2, Special Issue, TACE, Pg. 456-460, **ISSN** 23494794. (IF 2.356)
18. M. B. Chougule and **N. P. Sonaje**, 2014, Anova Method and T-test Method as Statistical Tools for Monitoring Performance of Pilot Plant Water Used in Textile Wet Processing, International Journal of Application or Innovation in Engineering and Management, Vol.- 3, Issue- 7, Pg. 242-248, **ISSN** 23194847. (IF 4.550)
19. **N. P. Sonaje** and M. B. Chougule, 2014, Experimental Studies on Municipal Wastewater Recycling and Water Conservation in Cotton Textile Wet Processing, International Journal of Current Engineering and Technology Vol. - 4, No. - 3, Pg. 1862- 1869, **ISSN** 22774106. (IF 2.552)
20. Thorvat A.R., **Sonaje N. P.**, and Mujumdar M. M., 2013, Statistical Approach towards Physico-Chemical Characteristics of the Panchaganga River Water Quality in Kolhapur City, Maharashtra, India, International Journal of Earth Sciences and Engineering (IJESE), Vol. – 6, No. - 5, Pg. 1266-1272, **ISSN** 09745904. (IF 0.042)
21. **Sonaje N. P.**, 2013, Modeling of Infiltration Process – A Review, Indian Journal of Applied Research Vol.- 3, Issue - 9, Pg. 226-230, **ISSN** 2249555X. (IF 0.8215)
22. **Sonaje N. P.**, 2013, Drivers of India's Water Turbulence, European Academic Research, Vol.- I, Issue - 6, Pg. 1405 -1418, **ISSN** 22864822. (IF 0.485)
23. **Sonaje N. P.** and Mane S. J., 2013, Artificial Neural Network for One- Day-Ahead Forecasting of Respirable Suspended Particulate Matter Concentration, Research Arena, Vol.-1, Issue - 6, Pg. 95-99, **ISSN** 23206263.
24. **N. P. Sonaje** and M. B. Chougule, 2013, Evaluation of the Effectiveness of Sodium Hypochlorite for Disinfection of Recycled Wastewater Used in Textile Wet Processing, International Journal of Research in Civil Engineering, Architecture and Design, Vol.- 1, Issue -1, July, Pg. 23-27, **ISSN** 23472855. (IF 0.776)
25. **N. P. Sonaje** and M. B. Chougule, 2013, Comparison of Whiteness Index of Cotton Fabric Bleached With Recycled Wastewater, International Journal of Innovative Research in Science, Engineering and Technology, Vol. - 2, Issue - 8, Pg. 3946-3951, **ISSN** 23198753. (IF 1.672)
26. **N. P. Sonaje** and M. B. Chougule, 2013, Experimental Analysis of Washing and Rubbing Fastness of Cotton Fabric Processed with Recycled Wastewater Using Different Dyes, International Journal of Emerging Science and Engineering, Vol.-1, Issue-10, Pg. 29-37, **ISSN** 23196378. (IF 1.0)
27. **N. P. Sonaje** and M. B. Chougule, 2013, Experimental Analysis of k/s Values of Cotton Fabric Processed with Recycled Wastewater, International Journal of Application or Innovation in Engineering and Management Vol. - 2, Issue - 8, Pg. 28-31, **ISSN** 23194847. (IF 2.379)

28. **Sonaje N. P.**, Mane S. J. and Kote A. S., 2013, Modeling of Respirable Suspended Particulate Matter Concentration Using Artificial Neural Networks in an Urban Area, IRACST – Engineering Science and Technology: An International Journal, Vol.-3, No.- 4, Pg. 694-698, **ISSN** 22503498. (IF 0.356)
29. **Sonaje N. P.**, Karambelkar K. R., Hinge. G. A and Sathe N. J., 2013, Design Of Water Wheel For Micro power generation With Supercritical Inflow, Golden Research Thoughts. Vol.-3, Issue-1, Pg. 1-5, **ISSN** 22315063. (IF 1.951)
30. M. B. Chougule and **N. P. Sonaje**, 2013, Cost- Benefit Analysis of Wastewater Recycling Plant for Textile Wet Processing, International Journal of Computational Engineering Research, Vol.-3, Issue - 1, Pg. 27-31, **ISSN** 22503005. (IF 1.145)
31. **Sonaje N. P.**, 2012, Indices - A Tool for Research Assessment, Indian Streams Research Journal Vol. - 2, Pg. 11-19, **ISSN** 22307850. (IF 1.761)
32. Thorvat A.R., **Sonaje N.P.**, Mujumdar M. M. and Swami V.A., 2012, Study on Physico-Chemical Characteristics of Panchaganga River in Kolhapur City M.S., India, Research Journal of Chemical Sciences, Vol.- 2(8), Pg. 76-79, **ISSN** 2231606X.
33. M. B. Chougule and **N.P.Sonaje**, 2012, Recycling of Wastewater in Textile Wet Processing, Contemporary Research in India, , Vol.- 2, Issue- 4, Pg. 7-12, **ISSN** 22312137.
34. Chougule M. B. and **Sonaje N. P.**, 2012, In-plant Recycling of Wastewater in Textile Wet Processing – A Stochastic Analysis of Best Available Technologies (BATS), Contemporary Research in India, Vol.-2, Issue -2, Pg. 26 – 35, **ISSN** 22312137.
35. **Sonaje N. P.**, and Joshi S. K., 2012, Experimentation of Microhydel Power Generation from Low Head Weirs (Bandhara), Contemporary Research in India, Vol.-2, Issue - 1, Pg. 307 – 310, **ISSN** 22312137.
36. Chougule M. B. and **Sonaje N. P.**, 2012, Novel Techniques of Water Recycling in Textile Wet Processing Through Best Management Practices (BMP's), International Journal Applied Science and Advance Technology, Vol-1, No.-1, Pg. 29-33, **ISSN** 09737405
37. Chougule M. B. and **Sonaje N. P.**, 2012, Use of GAC Technology and Two Stage Ion Exchange Technique for Recycling of Wastewater in Textile Wet Processing, International Journal of Engineering Science and Technology, Vol.- 4, No.- 1, Pg.50 -55, **ISSN** 09755462.
38. **Sonaje N. P.** and Chincholkar P. R., 2012, Redefining the Role of University Administrator: An Indian Scenario, Journal of Higher Education Management, Vol.- 27, No.-1, Pg. 118-126, **ISSN** 10773398.
39. Mane S. J., and **Sonaje N. P.**, 2011, Prediction of Respirable Suspended Particulate Matter Concentration at Pimpri-Chinchwad with Artificial Neural Network, Contemporary Research in India, Vol.- 1, Issue - 4, Pg. 422-424, **ISSN** 22312137.
40. **Sonaje N. P.**, 2011, University - Industry Interface, University News- A weekly Journal of Higher Education Vol.- 49, No.-50, Pg.197-200, **ISSN** 05662257.
41. Thorvat A.R., **Sonaje N. P.** and Mujumdar M. M., 2011, Development of Regression Model for the Panchaganga River Water Quality in Kolhapur City, M.S., International Journal of Engineering Research and Applications, Vol.-1, Issue - 4, Pg.1723-1730, **ISSN** 22489622. (IF 1.69)
42. **Sonaje N. P.** and Waikar M. L., 2009, Application of Mathcad for Hydrological Analysis Using Natural Resources Conservation Service Method, Journal of Indian Water Works Association, Vol.- XXXXI, No.-2, Pg. 136 – 143, **ISSN** 0920275X.
43. **Sonaje N. P.** and Waikar M. L., 2009, Application of Mathcad for Hydrological Analysis Using Kostiaikov's Method, Asian Journal of Environmental and Chemical Research, Vol.- 2, Pg., 57 – 63, **ISSN** 09743049.
44. **Sonaje N. P.** and Waikar M. L., 2006, Modeling of Precipitation – Runoff Relation Using Natural Resources Conservation Service (NRCS) Method and MathCAD, Journal of Shivaji University, Kolhapur (Science and Technology) Vol.- 40, Pg.77-85.

Conference Paper Publications (02 International and 02 National)

1. **Sonaje N. P.**, 2010, Information Communication Technology and eResearch, National Conference on Computer, Communication and Information Technology.
2. A. R. Deshmukh and **Sonaje N. P.**, 2009, A Clear Water Scour Around Circular Pier, National Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering HYDRO 2009.
3. **Sonaje N. P.** Vikhe S.D., 2008, Water Resources: Some Facts and Approaches, Proceedings of Indo-Italian International Conference on Green and Clean Environment (GCE 2008).
4. **Sonaje N. P.**, 2006, Rain Water Harvesting at Lasalgaon, Dist - Nashik (Maharashtra), International Conference on Hydrology and Watershed Management.

Book Publications

1. Objective Civil Engineering, Lulu Publications, Raleigh, USA, ISBN 9781304465399, **N. P. Sonaje**.
2. Role of ICT in Enhancing the Quality of Higher Education in India, Indotech Publishers Pvt. Ltd., ISBN 9789383193073, **N. P. Sonaje**.
3. Mathcad A Tool for Infiltration Modeling, Lambert Academic Publishing GmbH & Co. Germany, ISBN 9783843362467, **N. P. Sonaje**.
4. ICT for Doctoral Research, Author Press, New Delhi, ISBN 9788172736392, **N. P. Sonaje**.
5. Production and Operations Management, Shivaji University, Kolhapur, **N. P. Sonaje** and Others (Co-author).
6. Accounts Code, Shivaji University, Kolhapur, **N. P. Sonaje** and Others (Co-author).

PAPERS PRESENTED / PARTICIPATED IN CONFERENCES, SEMINARS, WORKSHOPS, SYMPOSIA ETC

1. Participation: The ICDE International Conference on the theme Unleashing the potential of ODL - "Reaching the Unreached" at Symbiosis Centre for Distance Learning, Pune.
2. Participation: Round Table Conference of Directors of Dual Mode Universities at University of Mumbai, Mumbai.
3. Participation: National Conference on "Distance and Online Learning" at Symbiosis Centre for Distance Learning, Pune.
4. Architectural Studies of Ellora Caves, Art and Architecture in the Indian Subcontinent at DBF Dayanand College of Arts and Science, Solapur.
5. NAAC Accreditation: Role of Student Administration, Best Practices and Student Participation in Quality Enhancement at Arts at Science and Commerce College, Kille Dharur (Beed).
6. Role of Basic Sciences in Research and Technology, Physics Club Activity, DBF Dayanand College of Arts and Science, Solapur.
7. Rainwater Harvesting at Ballarpur Industries Limited: A Case Study, Recent Trends in Green Buildings and Products at KIT College of Engg. Kolhapur and Dyandeep Education and Research Foundation.
8. Women Staff and University Administration, Workshop for Women Officers and Staff at Shivaji University, Kolhapur.
9. Advances in Workshop Practices, Teaching Methodology and Training at PVP Institute of technology, Budhgaon (Sangli).
10. Examination Bills, Value Added Tax, Income Tax & Professional Tax, College Administration at New College Kolhapur.
11. Interview Preparation and Technique, Interview Techniques for BPO Trainee Students at D G College of Commerce Satara.
12. Interview Technique Lecture & Demo, Interview Techniques at LBS College Satara
13. Mathematical Software and Introduction to Mathcad, Mathematical Softwares for M Sc Students at Department of Mathematics, Shivaji University, Kolhapur.

14. Participation: Right to Information Act at Shivaji University, Kolhapur
15. Link between College and University Administration, Modern College Administration at Ajara Mahavidyalaya, Ajara.
16. Participation: Emerging Trends in Information Technology in University Management by Association of Indian Universities and University of Madras.
17. Participation: Use of Solar Energy in Building Planning and Design by KIT College of Engg. Kolhapur and Dyandeep Education and Research Foundation.
18. Participation: Sensitization on Functioning and Jurisdiction of Sexual Harassment Prevention Committee at Shivaji University, Kolhapur.

EXPERIENCE OF GUIDING DOCTORAL RESEARCH SCHOLARS

1. **Chougule M B**, Recycling of Wastewater in Textile Wet Processing.
2. **Deshmukh G K**, Wastewater Minimization in Sugar Industry Incorporating Green Technology
3. **Mane S J**, Prediction of Suspended Particulate Matter (SPM) Concentration in Pune City using Artificial Neural Network (Under Progress).
4. **Pawar M M**, Development of Methodology for converting Existing Water Supply into 24 x 7 Water Supply Scheme (Under Progress).
5. **Jagtap A K**, Design of Gray Water Treatment System and its Management for Rural Area (Under Progress).

EXPERIENCE OF GUIDING M. TECH PROJECTS

1. **Thorwat A R**, Impact of Jayanti Nallah on the Panchaganga River Water Quality in Kolhapur (M.S.)
2. **Bhomaj P R**, To develop Membranes Bio Reactor Model for Domestic Sewage Treatment.
3. **Kale A A**, Use of Recycled Polystyrene in Construction Industry.
4. **Berlekar N D**, Application of Mathcad for Design of Effluent Treatment Plant for Paper Industry.
5. **Koli V B**, Ecological Rejoinder: A Case Study of Malaprabha River Regime.
6. **Patil A A**, Wastewater Management of Sugar Industry Towards Zero Discharge.
7. **Joshi M G**, Design and Development of Water Supply Scheme for Periurban Area as per National Rural Drinking Water Programme (NRDWP).
8. **Kulkarni A A**, Water as a By-Product of Sugar Industry.
9. **Patil P U**, Low Cost TDS Removal System for Small Community in Urban Area.

EXPERIENCE OF GUIDING M. B.A. PROJECTS

1. **Jadhav R A**, A Study of Productivity Improvement by Combined Approach of Value Stream Method Time Measurement, 2013-14.
2. **Daware R D.**, Study of Six Sigma with reference to M/s Sound Castings Pvt. Ltd., 2013-14.
3. **Talwar S. L.**, A Brief Study on Effectiveness of Distribution Channel of Cement in Sangli with reference to Penna Cement Industries Ltd. Sangli, 2013-14.
4. **Patil V. N.**, A Brief Study on Operational Cost Saving in Dosage Cup Placing and Pressing at Charak Pharma with special reference to Charak Pharma Pvt. Ltd. Silvassa, 2013-14.
5. **Gawade S. P.**, Designing of Curriculum Aspects of Pharmacy Undergraduate Course in respect of Graduate Employability, 2014-15.
6. **Jagtap B. R.**, A Study of Dispatch of Finished Goods in Small Scale Industries with reference to Crown Industries, 2014-15.
7. **Mole S. H.**, e-Learning in Distance Education with special reference to M.B.A. Course, 2015-16.
8. **Kulkarni S. S.**, An Analytical Study of Entrepreneurs in Pharmaceutical Industry, 2015-16.

9. **Patil C. A.**, Study of Industrial Product Strategies and Marketing Environment for Perna Cane Harvesters Pvt. Ltd., 2015-16.
10. **Ghatge P. A.**, Market Potential and Buying Behavior of Customers for Premium Make Gear Boxes in Kolhapur and Sangli Region, 2015-16.
11. **Chavan A. P.**, Study and Application of Production Line Balancing in Automobile Seating System, 2016-17.
12. **Devkar J. P.**, A Study of Co-generation Plant in Dudhganga- Vedhganaga Sahakari Sakhar Karkhana Ltd., 2016-17.
13. **Sawant S. P.**, A Study of Employee Job Satisfaction with reference to Textile Industry, 2016-17.
14. **Mane N. S.**, E-governance in Higher Education Institute; A Case Study of Dental College, 2016-17.
15. **Antredi V. L.**, Ideal Admission Process for M. Phil and Ph.D., 2016-17.
16. **Kavathekar R. M.**, Engineering Project Management: A Case study of DMC - Dock master Complex Building Project Mumbai, 2016-17.
17. **Waghmode B.B.**, Educational Related Certificates Issued by Revenue Department: A Case Study of Kadegaon Sub-division, Dist: Sangli, Maharashtra, 2016-17.

OTHER ACADEMIC ACTIVITIES

1. External examiner for Ph.D thesis to North Maharashtra University, Jalgaon.
2. External examiner for M.E. (Water Management) and M.E. (Hydraulics) to Shri Ramanand Tirth Marathwada University, Nanded, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and University of Pune.
3. External examiner for M.Tech (Civil and Water Management) to SGGS Institute of Technology, Nanded (An autonomous Institute, cent percent aided by Govt of Maharashtra).
4. Paper Setter, Moderator for M.Tech (Env Sci & Tech), Shivaji University, Kolhapur.

MEMBERSHIP OF PROFESSIONAL BODIES

- Fellow, Institution of Engineers (India), Kolkata. (F- 1216291)
- Fellow, Institution of Valuers.
- Life Member, Institution of Civil Engineers (India) (M- 30372)
- Life Member, Indian Water Works Association, Mumbai. (LM- 6107)
- Life Member, Institute of Military Engineers, Pune.
- Member, Indian Society of Structural Engineers. (M-1125)
- Member, Hydrological Data User Group, Hydrology Project, Maharashtra State.

MILITARY DECORATIONS

- General Officer in Chief, Eastern Command's Commendation Card
- Special Service Medal
- Sainya Seva Medal
- 50th Anniversary of Independence Medal.

DISTINCTIVE ACHIEVEMENT

- As a combat engineer officer of Indian Army I was tasked with constructions and maintenance of Operation Shelters at 14000 feet high in the ranges of Himalaya, which involves extreme weather and terrain, insufficient time. In spite of the said difficulties, the said task has been completed within a record time (before snowfall starts). And for this task, I have been decorated as „General Officer Commanding in Chief's (GoC in C's) Commendation Card.
- In the year 2006-07, I was functioning as a Deputy Registrar (Administration) in Shivaji University. Due to my engineering qualification, I was given the additional charge of Deputy Registrar (Engineering) i.e. University Engineer. And that time I had executed a Water Harvesting Programme which resulted in self sufficiency of University in terms of drinking water and University has saved a municipal corporation water bill in tune of Rs. 1.2 Million per year.

REFERENCES

1. Prof. (Dr.) Manikrao M. Salunkhe
Vice Chancellor,
Bharati Vidyapeeth Deemed University, Pune
(Former Vice Chancellor, Central University of
Rajshthan, Yashwantrao Chavan Maharashtra Open
University, Nashik and Shivaji University, Kolhapur)
e-mail: mmsalunkhe@hotmail.com,
manikrao.salunkhe@gmail.com
Mobile: 09822069521
2. Prof. (Dr.) B. P. Bandgar
(Former Vice Chancellor, Solapur University, Solpaur)
17, Shimala Nagar, Vijapur Road,
Solpaur- 413008.
e-mail: bandgar_bp@yahoo.com,
Mobile: 8805058888
3. Prof. (Dr.) Devanand B. Shinde,
Vice Chancellor, Shivaji University, Kolhapur
e-mail: devas23@gmail.com,
vcoffice@unishivaji.ac.in
Mobile: 7588057562, 8378007788

Station:

Date:

(N. P. Sonaje)