

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

Office Address:

Capt. (Dr.) N. P. Sonaje
Principal, Government Polytechnic Miraj, Near Maji Sainik Vasahat
Vidyanagar, Miraj, Dist: Sangli, Maharashtra - 416410
e-mail: nitinsonaje@yahoo.co.in
Mob: +919822315705 / +918275916076



Male, born on Apr 24, 1972, Married
Languages known: English, Marathi, Hindi

Present Designation: Principal (Professor Grade)

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 23 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 three PhD scholars and nine 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.

AREA OF RESEARCH

- Water Resources Management, Environmental Science and Technology, Hydrology, Greening of Industries.

ADMINISTRATIVE AND PROFESSIONAL EXPERIENCE

1. Principal, Government Polytechnic Miraj, Maharashtra (India).
2. Principal, Government Polytechnic Gadchiroli, Maharashtra (India).
3. Deputy Registrar, Shivaji University, Kolhapur, Maharashtra.
4. Registrar, Solapur University, Solapur.
5. Consultant- Tech Services, ING Vysya Bank Ltd., Mumbai.
6. Site Engineer, Natraj Consultant, Lasalgaon, Nashik, Maharashtra.

It includes,

- 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, firefighting, etc).

TEACHING AND RESEARCH EXPERIENCE

1. Director, Center for Distance Education, Shivaji University, Kolhapur
 - ✓ Academic administrator for about 40000 distances learners.
2. 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. 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:
 - Dept of Environmental Science and Technology for M. Tech course.
 - STB College of Engg., Tuljapur for M.E. (Water Resources Mgt) course.
 - 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.

INDIAN ARMY (CORE OF ENGINEERS: COMBAT ENGINEERING) EXPERIENCE

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

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

MILITARY QUALIFICATIONS

- Basic Military Training, Officers Training Academy, Madras.
- Young Officers (Engineers) Course, College of Military Engineering (CME), Pune.
- Engineer Officers Camouflage Course, CME, Pune.
- Nuclear, Biological and Chemical Warfare Course, CME, Pune.
- Engineer Officers Combat Engg Instructor Course, CME, Pune.

Paper Publications

- Journal Paper Publications (41 International and 03 National)
- Conference Paper Publications (02 International and 02 National)

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).

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.
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 (ENVIRONMENTAL SCIENCE AND TECHNOLOGY) 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 wheather and terrain, insufficient time. Inspite 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 Programe 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.
- Worked as a Director, Centre for Ditance Education Shivaji University, Kolhapur having the student's strength about 40000 plus for the period from March 2015 to Oct 2016.

Capt Dr. N P Sonaje