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4. Educational Qualification:

Diploma/Degree	College / University / Institute	Class / Division	Year of Completion
Diploma in Civil Engineering	Government Polytechnic, Nanded. (Maharashtra State Board of Technical Education, Mumbai.)	First Division	1985
B.E. (Civil –Water Management)	Shri Guru Gobind Singhji College of Engg. & Tech., Nanded. (Marathwada University, Aurangabad.)	First Division With Distinction	1988
M.E. (Civil –Water Management)	Shri Guru Gobind Singhji College of Engg. & Tech., Nanded. (Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.)	First Division	1996
Ph.D. (Civil Engineering)	Indian Institute of Technology Bombay.	Completed	2008

5. Teaching Experience:

Employer	Position	From	To	Pay Scale
Shri Guru Gobind Singhji College of Engg. & Tech., Nanded.	Lecturer	26/06/1988	31/12/1995	Rs. 8,000/- to Rs. 12,000/-
Shri Guru Gobind Singhji College of Engg. & Tech., Nanded.	Lecturer (Senior Scale)	01/01/1996	25/08/1998	Rs. 10,000/- to Rs. 13,500/-
Shri Guru Gobind Singhji College of Engg. & Tech., Nanded.	Lecturer (Selection Grade)	26/08/1998	31/12/2005	Rs. 12,000/- to Rs. 18,300/-
Shri Guru Gobind Singhji Institute of Engg. & Tech., Nanded.	Associate Professor	01/01/2006	Till date	Rs. 37,400/- to Rs. 67,000/- (Rs.9000/-)

6. Courses offered at UG & PG level:

Sr. No.	Course Title	UG / PG
1	Water Resources Engineering-I	U.G.
2	Water Resources Engineering-II	U.G.
3	Groundwater Engineering	P.G.
4	Watershed Management	P. G.

7. Research Project:

Year of Funding/ Submission	Sponsoring Organization	Title of Project	Amount of Grant /Status
2018-19	AICTE-NDF Research Promotion Scheme	Geopolymer Concrete	Rs. 20.00 Lakhs (Presented in Feb.2019)

8. Student Research Guidance:

Sr. No.	Name of Student	Year of Completion	PG/Ph.D.& Title of Thesis
1	Mr. Zaheer A.M.	2015	M.Tech. Civil (Water Management): Numerical Modeling of Groundwater Flow in an Unconfined Aquifer using Galerkin Finite Element Method.
2	Mr.Nandkishore Mande	2016	M.Tech. Civil (Water Management): Analysis of River Network using MODSIM-A Case Study of Pravara River, India.
3	Mr. Yuvraj Shete	2016	M.Tech. Civil (Water Management): Floodplain Mapping using HEC-RAS along Krishna River, India.
4	Mr. Mayank Gupta	2018	Ph.D. in progress.

9. Consultancy Provided:

Year	Organization	Nature of Projects	Amount Earned
2012-16	Nanded Waghala City Municipal Corporation and Municipal Councils in Nanded District, Maharashtra.	Third Party Technical Audit of CC Road and Drainage Network Project	Rs. 10 Lakhs (Approx.)
2015-19	Jalyukta Shivar Abhiyan, Government of Maharashtra.	Third Party Technical Audit of JYS works.	Rs. 5 Lakhs (Approx.)

10. Industrial Training:

Year	Organization	Description of Work and Responsibilities
1996	Rashtriya Chemicals & Fertilizers, Chembur, Mumbai.	Use of Project Management Software Microsoft Project for Fertilizer Project.
1996	Humphreys and Glasgow Ltd., Mumbai	Use of Project Management Software Primavera for Seawater Magnesia Project.

11. Areas of Research:

Sr. No.	Research Area
1	Numerical Methods (Finite Differences, Finite Element, Method of Characteristics and Random Walk Method) for Groundwater Flow and Solute Transport Simulation.
2	Soft Computing Techniques (Genetic Algorithm, Artificial Neural Network and Fuzzy Logic) for Groundwater Resources Optimization.
3	Remote Sensing and GIS for Groundwater System Management.

12. Publications in International/National Journals/Conference Proceedings:

(a) List of International Journal Publications:

Sr. No.	Author(s)	Year of Publication & Volume of Publication	Title of Paper	Complete Reference of Journal/Conference Proceedings
1	N.H.Kulkarni & A.K.Rastogi	Vol. 2(8), August 2012 , ISSN 2250-2459.	Numerical Experiments on Solute transport in Groundwater Flow System	International Journal of Emerging Technology and Advances in Engineering
2	N.H.Kulkarni & A.K.Rastogi	Vol. 1(1), pp. 1-8, March 2014 , ISSN 2278-2311.	Groundwater Quality Modeling using Finite Element and Modified Method of Characteristics Models	International Journal of Innovative Research in Advanced Engineering
3	N.H.Kulkarni & A.K.Rastogi	Vol.1(2), pp. 23-30, April 2014 , ISSN 2278-2311.	Comparison of Explicit Finite Difference Model and Galerkin Finite Element Model for Simulation of Groundwater Flow	International Journal of Innovative Research in Advanced Engineering
4	N.H.Kulkarni & A.K.Rastogi	Vol. 1(2), pp. 1-8, April 2014 .	Comparison of Galerkin Finite Element, Modified Method of Characteristics and Random Walk Models for Solute Transport Simulation in Groundwater Flow Systems	International Journal of New Technologies in Civil Engineering
5	N.H.Kulkarni	Vol. 7(5), pp. 75-83, May 2015 , ISSN 2141-6613.	Numerical Simulation of Groundwater Recharge from Injection Well	International Journal of Environmental & Water Resources Engineering (Academic Journals)

6	Nilkanth Kulkarni	November, 2018	Numerical Simulation of Solute Transport in Groundwater Flow System using Modified Method of Characteristics (MMOCSOLUTE) model.(Under Revision)	Journal of Aquademia: Water, Environment and Technology
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(b) List of National Journal Publications:

Sr. No.	Author(s)	Year of Publication	Title of Paper	Complete Reference of Journal
1	N.H.Kulkarni, B.M.Naik & G.B. Jambagi	1992	Professionalism-Need for Prudent Project Management	Indian Water Works Association Journal

(c) Publications in International Conference Proceedings:

Sr. No.	Author(s)	Year of Publication	Title of Paper	Name of Conference
1	N.H.Kulkarni & A. K. Rastogi	2001	Numerical Experiments on Solute Transport in Subsurface Flow Domain	International Conference on Mathematical Modeling, University of Roorkee, India.
2.	N.H.Kulkarni & A. K. Rastogi	2002	A MMOC Model for Solute Transport Modeling in Groundwater Flow.	International Groundwater Conference, Dindigal, India.
3.	N.H.Kulkarni & A. K. Rastogi	2006	Numerical Modeling of Solute Transport in Groundwater Flow System.	International Conference on Challenges in Coastal Hydrology & Water Quality, Louisiana State University, U.S.A.

4.	N.H.Kulkarni & A. K. Rastogi	2008	An application of FEFLOW-MMOC Model for Large Aquifer Flow System.	International Conference on Groundwater Dynamics and Global Change, University of Rajasthan, Jaipur, India.
5	Nilkanth Kulkarni	2015	Numerical Simulation of Solute Transport in Highly Heterogeneous Aquifers- A Case Study of Mahi Right Bank Canal Command (MRBC) Aquifer, India.	AGU Chapman International Conference on The MADE Challenge for Groundwater Transport in Highly Heterogeneous Aquifers, Valencia, Spain.
6	Nilkanth H.Kulkarni & Rajesh Gupta	2017	Numerical Simulation of Solute Transport in Groundwater Flow System using Random Walk Method	Springer Publications of Proceedings of International Congress on Geostatistics, Valencia, Spain.
7	Nilkanth Kulkarni	2017	Numerical Simulation of Effect of Climate Change on Solute Transport in Groundwater Flow System. (Accepted and Published in 2017)	International Conference on Technological Advances in Climate Smart Agriculture and Sustainability, SGGSI&T,Nanded.
8	Mr. Mayank Gupta & Dr. N.H. Kulkarni	2019	Review on the recent development of ambient cured geopolymer composites.	International Conference on Emerging Trends in Engineering, University College of Engineering, Hyderabad.

(d) Publications in National Conference Proceedings::

Sr. No.	Author(s)	Year of Publication	Title of Paper	Name and Place of Conference
1.	N.H.Kulkarni & A. K. Rastogi	2003	Numerical Modeling of Solute Transport in Groundwater Flow	National Conference on Integrated Sustainable Water Resources Development and Management, BITS, Pilani.
3	N.H.Kulkarni & A. K. Rastogi	2014	Numerical Simulation of climate change on groundwater Flow in Mahi Right Command (MRBC) Aquifer (Invited Lecture)	National Conference on Sustainable development of Environmental Systems, IIT Guwahati.

(e) Books/Research Monographs Published:

Sr. No.	Name of Book & Author(s)	Year of Publication	Name of Publisher
1	Basic Civil Engineering (Surveying, Building Planning and Construction) by N.H.Kulkarni	1996	Sadhusudha Publications, Nanded, India.
2	Numerical Modeling of Solute Transport in Groundwater Flow System by Nilkanth.Kulkarni & Ashok Kumar Rastogi	2011	LAMBERT, Academic Publishers, Germany.

(f) Patent Filed/Granted:

Sr. No.	Details of the Patent	Year of Publishing/ Granting	Number of the Patent
1	A Novel Artificial Groundwater Recharge Unit by N.H.Kulkarni, Nayan Pund & Prashant Tamboli. (Examination of Patent is going on.)	Published in the Patent Office Journal dated 22/05/2015 on the Page 35060.	664/MUM/2015 A

13. Awards Received:

Sr. No.	Nature of award	Year
1	National Merit Scholarship	1982 - 1988.
2	Gold Medal for being University Topper at U.G. level in Faculty of Engineering at the auspicious hands of then Chief Minister of Maharashtra Late Hon'ble Shri S.B. Chavan	1988
3	Student Travel Award for participating in the American Institute of Hydrology Annual Meet & International Conference on Challenges in Coastal Hydrology and Water Quality, Louisiana State University, U.S.A.	2006
4	Rashtriya Gaurav Award for meritorious service in technical education by IIFS, New Delhi	2012
5	Bharat Vikas Award from Institute of Self Reliance, Bhubaneswar-751003	2016
6	Distinguished Professor Award from Computer Society of India.	2017
7	Distinguished Professor Award by Auropath Global Awards 2019, Puducherry, India.	2019
8	Award for Excellence in Research by EET CRS a Research wing for Excellence in Professional Education & Industry, NOIDA, India.	2020

14. Any Other Relevant Information:

(a) Field Visits with U.G. and P.G. students:

Sr. No.	Name of the Organization	Year
1	Watershed Works: At: Ralegan Siddhi Dist. Ahmednagar (Maharashtra)	2009
2	Barrage Works: Babhali Barrage on Godavari River, At: Babhali, Dist. Nanded. (Maharashtra)	2009

(b) Department/Institute Level Portfolios:

Sr. No.	Nature of portfolio	Duration	Department/Institute Level
1	M.Tech. Civil (Water Management Engg.) Coordinator	2011-2013	Department
2	M.Tech. Civil (Structures) Coordinator	2016-2018	Department
3	B.Tech. III rd Year Civil (Water Management Engg.) Coordinator	2015-2016	Department

4	B.Tech. I st Year (All Branches) Course Coordinator of Engineering Mechanics	2013-2017	Institute
4	Coordinator for N.B.A. of M.Tech. Civil (Water Management Engg.) Course	2012	Department
5	Member of the Curriculum Design of B.Tech. (Civil Engg.) Course	2015	Department
6	Coordinator of the Academic Audit of B.Tech. Civil (Water Management Engg.) Course	2013	Department
7	Faculty Incharge of Civil Works of New Departmental Building (Approx. Cost Rs. 10 Crores) at Shri Guru Gobind Singhji Institute of Engg. & Tech., Nanded.	2012	Institute
8	Unnat Maharashtra Abhiyan (UMA) and Unnat Bharat Abhiyan (UBA) Nodal Officer	2015-18	Institute

(c) Resource Person:

Sr. No.	Name of the Organization	Subject taught & Year
1	Govt. College of Engineering, Aurangabad (M.S.)	Project Management – 2009
2	AP-IIIT, Basar (A.P.)	Fluid Mechanics -2012

(d) Membership of Professional Bodies:

Sr. No.	Name of the Body	Status of Membership : Life / Annual Year of Membership
1	Indian Society for Technical Education, New Delhi,	Life Member-1991
2	Indian Institute of Public Administration, New Delhi.	Life Member-1994
3	Association of Global Groundwater Scientists	Life Member-2013
4	Editorial Board of STM Journal of Water Pollution & Purification Research	Member-2013
5	Board of Studies in Civil Engineering of Government College of Engineering, Amravati.	Member-(2019)
6	Board of Studies in General Engineering of Swami Ramanand Teerth Marathwada University, Nanded.	Member.

(e) Contact information of Referees:

Sr. No.	Name of the Referee	Affiliating Organization & Address
1	Prof. Jaime Gomez Hernandez	Professor in Dept. of Hydraulic and Environmental Engineering, UPV, Spain. E-mail: jgomez@upv.es
2	Prof. V.P. Singh	Professor in Dept. of Agricultural and Biological Engineering, Texas A&M University, Texas, U.S.A. E-mail: vsingh@tamu.edu

15. Training courses organized and attended:

(a) Training courses organized:

Sr. No.	Title of the training course	Year	Organization
1	Workshop on Technologies for Rural Development	1994	SGGSCE&T, Nanded.
2	One week ISTE-STTP on Emerging trends in Project Management	2009	SGGSIE&T, Nanded.
3	One day program on Importance of Patent in Research	2015	SGGSIE&T, Nanded.
4	Two Days Workshop on Tall Buildings Design	2016	SGGSIE&T, Nanded.
5	A QIP short term course on "Advances in Water Engineering"	2019	SGGSIE&T, Nanded.

(b) Training courses attended:

Sr. No.	Year	Nature of Training	Duration	Organization where training was provided
1	1990	Structures for Nuclear Power Plants	2 Weeks	IIT Madras
2	1991	Experiments in Fluids	2 Weeks	IIT Kanpur
3	1994	Project Management	1 Week	IIPA, New Delhi.

4	1996	Project Formulation and Appraisal Techniques- Small Industry Projects	1 Week	NISIET, Hyderabad.
5	1996	Remote Sensing and Digital Image Processing	1 Week	NRSA, Hyderabad.
6	1997	Ground Improvement Technology	2 Weeks	Bengal Engg.College, Howrah.
7	1998	Advances in Civil Engineering	1 Week	SGGSCE&T, Nanded.
8	2000	C and C++ Programing	3 Weeks	SGGSCE&T, Nanded.
9	2001	Water Management-Interdisciplinary Approach	2 Weeks	SGGSCE&T, Nanded.
10	2001	Finite Element Analysis	1 Week	IIT Bombay
11	2008	Action Research in Technical Education	1 Week	NITTR, Bhopal.
12	2009	Geomatic Applications for Sustainable Water Resources and Environment	3 Weeks	JNTU, Hyderabad.