

NICMAR Recruitment

Position: Vice-Chancellor

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Gender: Female
Date of Birth: 17-Nov-1968



Education

#	Board / University	Institute	Specialization	Marks	CGPA	Year
1	Pune University	Government College of Engineering Pune		0.00	0.00	2009
2	Shivaji University	Government college of Engineering Karad		60.00	0.00	1994
3	Pune University	Maharashtra Institute of Technology Pune		66.20	0.00	1990
4	Director of Technical education Mumbai	Government Polytechnic Pune		65.00	0.00	1987

Work Experience (Total: 36Y 10M)

#	Organization	Designation	From	To	Duration
1	Maharashtra Institute of Technology	Professor and Head of Applied Mechanics and Structural engineering	Jul 1990	Jun 2017	26Y 10M
2	MIT College of Engineering	Principal: first UGC approved Principal	Mar 2011	May 2012	1Y 2M
3	MIT World PeaecUniversity Pune	Progessor and Head of School of Civil Engineering	Jun 2017	Mar 2026	8Y 9M

Research Publication

#	Title	Journal	Year
1	Exploring the Quality and Safety Aspects of LGSF -Ferron Modular Construction in Indian Context	Journal of Mines, Materials and Fules	Feb-2025
2	Improvement of Torsional Rigidity of Steel Supporting Structure Topside Module	Journal of Mines, Metals and Fules	Mar-2025
3	Revolutionizing Indian construction sector with sustainable modular LGSF-ferron composite construction technology	Innovative Infrastructure Solutions	Jan-2025
4	Studies on Biomechanics of Human Ankle Joint, Joint Forces Foot Pressure Assessment During Gait	Trends in Biomeatrials and artificial organs.	Jan-2025
5	Bond behaviour of ferrocement with different wire mesh specifications	AIP Conferance Proceedings	Mar-2024
6	Machine Learning based Material Demand Prediction of Construction Equipment for Maintenance	International Journal of Computing and Digital Systems	Mar-2024
7	Comprehensive review on the use of plastic waste in sustainable concrete construction	Discover Materials	Oct-2024
8	Biomechanical variations in patients with flatfoot deformity: Impact of gender, age, and BMI on foot kinetics and kinematics	Journal of Orthopaedics	Jun-2024
9	Bond behaviour of ferrocement with different wire mesh specifications	AIP Conferance	Jan-2024
10	Utilizing Machine Learning Approach to Forecast Fuel Consumption of Backhoe Loader Equipment	International Journal of Advanced Computer Science and Applications	Jun-2024
11	A state-of-the-art review of ferrocement as a sustainable construction material in the Indian context	Materials Today proceedings	Mar-2023
12	Nonlinear behaviour of a reinforced concrete building subjected to blast load and optimisation using a meta-heuristic algorithm	Asian Journal of Civil Engineering	Jul-2023
13	Optimal design of FPSO topside module for in-place, lift and weighing conditions utilizing meta-heuristic optimization algorithms	Asian Journal of Civil Engineering	May-2023
14	A systematic approach for rework reduction in precast buildings in India	Journal of Innovative Infrastructure Solution	Oct-2023
15	A Study on Durability Parameters of Ferrocement	E3S web of Conferance	Oct-2023
16	Fly Ash Based Subgrade Reinforced with Pet Bottles as Non-conventional Geocell: a 3D Finite Element Analysis	Geotechnical and Geological Engineering	Oct-2023
17	Review on comparative study of diverse wall materials for affordable housing	Materials Today proceedings	Mar-2023
18	A review on the geotechnical response of fly ash-colliery spoil blend and stability of coal mine dump	Cleaner Waste System	Dec-2022
19	Effect of isolated footing on fly ash subgrade reinforced with PET bottles: An experimental and analytical study	Construction and Building Materials	Nov-2022
20	Analysis of LGS- ferrocement composite construction technology as a cost-effective & sustainable alternative to RCC	Materials Today proceedings	Oct-2022
21	Analysis of challenges and opportunities of prefabricated sandwich panel system: A solution for affordable housing in India	Materials Today proceedings	Sep-2022
22	Model Testing on PET Bottle Mattress with Aggregate Infill as Reinforcement Overlaying on Fly Ash Under Circular Loading	Recent Trends in Construction Technology and Management	Sep-2022

23	Determination of elastic properties of bovine femur bone: Solid mechanics approach	Trends in Biomeaterials and artificial organs.	Nov-2020
24	Comparitive study of steel fibre reinforced concrete panels and ferrocement panels under blast loading by fem analysis	International Journal of Scientific and Technology Research	Oct-2019
25	Effect of different meshes on the energy absorption of ferrocement panel	International Journal of Scientific and Technology Research	Oct-2019
26	Effect of mortar strength on the behaviour of ferrocement panel under low velocity impact	International Journal of Innovative Technology and Exploring Engineering	Oct-2019
27	Comparative study on SFRC composites under blast load by varying aspect ratio of fibres	International Journal of Scientific and Technology Research	Oct-2019
28	Achieve high compressive strength and durability of concrete made from recycled concrete aggregate	International Journal of Innovative Technology and Exploring Engineering	Oct-2019
29	Flexural behavior of ferrocement-LGS composite under monotonic loading	International Journal of Scientific and Technology Research	Oct-2019
30	International Journal of Scientific and Technology Research	International Journal of Scientific and Technology Research	Oct-2019
31	Healthcare for all in emerging countries: A preliminary investigation of facilities in Kolkata, India	Annali dell'Istituto Superiore di Sanita	Nov-2016
32	Comparative study of initial structural stability of oxinium hip joint fixation with steel hip joint fixation	Trends in Biomaterials and Artificial Organs	Oct-2013
33	Finite element analysis of mechanical behavior of SMP hip joint implanted in femur bone	Trends in Biomeaterials and artificial organs.	Oct-2009
34	Experimental determination of material properties of cortical cadaveric femur bone	Trends in Biomeaterials and artificial organs.	Sep-2008

Published Books / Chapters

#	Book Title	Publisher	Institution
1	Advanced Concrete technology	Techknowldge publications	Pune University BE ,ME Civil Engineering courses
2	Theory and behaviour of Ferrocement in Construction	https://www.amazon.in/dp/B08FHX1S4F	Pune University BE ,ME Civil Engineering courses
3	Design of Ferrocement Structural elements	https://www.amazon.in/dp/B08FHX1S4F	Pune University BE ,ME Civil Engineering courses
4	FEM analysis of hip Joint prosthesis	Lap Lambert Publishing Germany	Nil
5	Bovine Science: Challenges and Advances	BoD - Books on Demand Rediff Books Flipkart Infibeam	Nil
6	Mechanical Properties and Elasticity Model for Bovine Hard Tissue	Intechopen Publisher : ISBN 978-1-83969-509-4	Nil

Administrative Experience (Total: 20Y 6M)

#	Post	Institution	From	To	Duration
1	Incharge Principal	Maharashtra Institute of Technology Pune.	Feb 2024	Dec 2026	2Y 10M
2	Dean Student Affairs MITWPU	MIT World Peace University Pune	Sep 2021	Sep 2025	4Y 0M
3	Progessor and Head of School of Civil Engineering	MIT World Peace University Pune	Jun 2017	Sep 2021	4Y 3M
4	Elected member of Seanate Pune University	Pune University	Jul 2012	May 2014	1Y 10M
5	Principal	MIT College of Engineering	Jul 2011	May 2012	0Y 10M
6	Professor and Head of Applied Mechanics and Structural engineering	Maharashtra Institute of Technology Pune.	Sep 2010	Jun 2017	6Y 9M

Major Research

#	Project Title	Value	Agency	From	To	Duration
1	To establish new Technology in Recycled concrete waste, Entrepreneurship and to create research ambience for masters and Doctoral students of Civil Engineering for projects based on `Characterization of concrete demolition waste	25,50,000[2016-2020]	AICTE-RPS	Sep 2016	Mar 2020	3Y 6M
2	2. Indo Italian MAE-DST Executive Project of Cooperation-Researcher Exchange Programme with Politecnico De Milano Italy. Department of Building Engineering and Architecture.Grant: MAE01992672013-09-11:	25,00,000	MAE-DST	Sep 2012	Dec 2016	4Y 3M
3	UKIERI `Institutional Capacity Building Project ICB-13`, [2014-2016]. International Curriculum Development in Construction British Council	50,00,000	British Council UKIERI	Mar 2014	Mar 2016	2Y 0M
4	7. FEM analysis of Knee Joint prosthesis, Pune University BCUD Grant	200000	UGC-Pune University BCUD	Jul 2012	Dec 2014	2Y 5M

International Experience

#	Organization / Body	Experience
1	International ferrocement Society	Interbnational conferance at Rutgers university USA
2	Politecnico De Milano ,Building Engineering and Scinece and Technology department Italy	Collaborative Reserch, centre excellence for Innovative Design and Construction technology, resercher Excahnge,Studnet exchange program, semster abroad program
3	Burton and derbyshire college of skill develoment	International Student skill development program ,Construction and Built environment accredited skill develoment program
4	Politecnico De Milano ,Building Engineering and Scinece and Technology department Italy	Excahnge reserch Faculty for Building Engineering department 2012-2018
5	British Council Travel fellowship	Travel fellowship 2013 for visit and acedemic ,reserch collaboration,MOU :Birmingham City University UK,Manchester Metropolitan University,Plymouth University,Cardiff University ,Dundee University

Leadership Experience

#	Brief Description
1	Dean of Student Affairs MIT World Peace University Pune
2	Incharge Principal Order
3	Professor and Head School of Civil Engineering MIT World Peace University Pune
4	Professor and Head of Applied Mechanics Order
5	Principal MIT College of Engineering

Statutory Authorities

#	Institution	Statutory Forum	From	To
1	Pune University	Senate member	Jul 2012	Jul 2014
2	Pune University	member Board of studies	Jul 2012	Jul 2014
3	MIT World Peace University	Board of management , teachers representative member	Jun 2017	May 2022
4	MIT World Peace University	Chairman Board of Studies Civil Engineering	Jul 2017	May 2022
5	MIT World Peace University	Acedemic council ,member(Chairman BOS -Civil Engg)	Jul 2017	May 2022
6	MIT World Peace University	Student affairs and welfare , Dean	Sep 2021	Oct 2025
7	Pune University	Acedemic council memembr	Jul 2012	Jul 2014
8	Vishwakarma Institte of Iformation technology Pune	Member BOS: professional expert	Jul 2020	Jun 2026
9	NICMAR-Pune	Board of Studies -School of Architecture	Jul 2024	May 2026
10	MIT World Peace University	Examination Griveance and Enquiry committee	Jan 2024	May 2026
11	MIT World Peace University	Examination Exigency committee member	Apr 2024	May 2026
12	MIT World Peace University	Unfair Means Enquiry Committee	Oct 2024	May 2026
13	MIT World Peace University	IQAC: Inyternal Quality audit committee	Jun 2023	May 2026

Quality Assurance Experience

#	Area	Institution	From	To	Achievements
1	NBA	MIT-Pune	Jan 2014	Dec 2018	3 consecutive times NBA accreditation(Tier-II) evaluation faced as Head of Civil Engineering Department and awarded 3 year accreditation each time.
2	NAAC	MIT World Peace University	Jul 2018	Mar 2026	University level IQAC core memeber, OBE acedemic auditor
3	IQAC	MIT World Peace University	Sep 2017	Mar 2026	Core committee memeber, OBE implementation, acedemic audit, mentor mentee program, student achievement

PhD Student Guided

#	Guide No	Co-Guide No
1	9	1

Youth Development Experience

#	Activity	Institution	Achievements	From	To	Duration
1	Student clubs	MIT World Peace University	Over 100 student clubs registred and activities rolled out	Mar 2023	Oct 2024	1Y 7M
2	Student council and representative elections	MIT World Peace University	Formulated the policy documents for Student elections and process. sucessfully conducted student elections for three years for student strength of appr.20000,27000,35000 students.	Jul 2023	Oct 2024	1Y 3M
3	Student Hostel management	MIT World Peace University	Formualted Hostel policy ,mannual , code of conduct for University	Jul 2023	Oct 2024	1Y 3M
4	Chairman for student Decipline and grivances committee	MIT World Peace University	Resolved hundreds of student deciplinary cases and implemented decipline actions	Jul 2023	Oct 2024	1Y 3M
5	conducted every year Industry meets, Alumini meet	MIT World Peace University	Generated internships and Placements for students, funding for student projects	Jul 2017	Mar 2026	8Y 8M
6	student Hand book	MIT World Peace University	Drafted students hand book a ready referance for a student from his entry to passing out of University	Jul 2023	Oct 2024	1Y 3M
7	Got NCC unit permission and expanded students NCC activity	MIT World Peace University	Got permission from small sub unit to full NCC Unit for boys and girls students at University	Jul 2023	Oct 2024	1Y 3M
8	Established Boat club, from construction to traning unit for sports Rowing	MIT World Peace University	Construction of Boat club at Loni campus , to started training unit to students achiving National sports reputation over last 01 years	Mar 2012	Mar 2026	14Y 0M