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3. Institution : Maulana Azad National Institute of Technology,
Bhopal (An Institute of National Importance)
4. Date of Birth : 17th August 1975
5. Gender (M/F/T) : Male
6. Category Gen/SC/ST/OBC : General
7. Academic Qualification (Undergraduate Onwards)

Sl.	Degree	Year	Subject	University/Institution
1.	B.E	1999	Civil Engineering	MANIT, Bhopal
2.	M.Tech	2001	Stress & Vibration Analysis of Structures	MANIT, Bhopal

8. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Ph.D thesis title	Guide's Name	Institute/Organization/University	Year of Award
Dynamic Analysis of Intze Water Tank-Fluid-Layered Soil Interaction System (Structural Engineering)	Dr. M. S. Hora	MANIT, Bhopal	2014

9. *Work experience (in chronological order).*

S.No.	Positions held	Name of the Institute	period
1.	Associate Professor	MANIT, Bhopal	11 Months
2.	Assistant Professor	MANIT, Bhopal	19 years 5 Months
3.	Contract Lecturer	MANIT, Bhopal	3 years 3 Months
4.	Lecturer	Radha Raman College, Bhopal	1 years 6 Months

10. Administrative work done at MANIT Bhopal

S.No.	Positions held	period
1.	Associate Dean (Civil Development Work)	8 Months
2.	Associate Dean (Civil Maintenance)	1 Year
3.	I/C Executive Engineer	2 Years
4.	Coordinator of Quality Control Cell for Matters related to quality control of ongoing construction work in MANIT	5 Years
5.	Faculty coordinator of Training & Placement Cell	4 Years
6.	Alumni Faculty Representative of the Department	5 Years
7.	Warden (Outside Hostel, M.A.N.I.T.)	2 Years
8.	Assistant. Procter	2 Years
9	Institute Canteen Coordinator	1 Year
10	Member (Institute Public relation cell)	1 Year
11	Member (Hindi Rajbhasha Samiti)	3 Years
12	Member (Admission Committee, U.G.)	1Year

12. Number of PhD Theses Guided/Perusing: 07 (Five)

13. Number of P.G. (M.Tech.) Projects guided: 50

14. Consultancy Project undertaken: More then **200** (Amounting 5 Cr.)

15. Any other information: One U- Tube channel at which 115 (more than 70 Hours content) subject specific videos are there.

16. Member of professional bodies

S.No.	Name of Professional Societies	Membership No.	Remark
1	The Institution of Engineers (India)	M-1720435	Life Member
2	Indian Society of Structural Engineers (ISSE)	LM-1955	Life Member
3	Indian Concrete Institute (ICI)	LM-13148	Life Member

17. LIST OF PUBLICATIONS IN INTERNATIONAL SCI Journals

S.No.	Authors	Title	STATUS	INDEXING
1.	Karan Singhai, Dr. Neeraj Tiwari.	A state-of-the-art review on Earthquake Soil-Structure Interaction including Dynamic cross interaction (DCI) and Site city interactions (SCI).	Published online, (Volume 27, Issue-5), 2024	Earthquake and structures. (SCIE Q3)
2.	Tushar Golait, Dr. Neeraj Tiwari, Dr. M.S. Hora,	Evaluating the seismic response of reinforced concrete buildings with shear walls on varied sloping terrains using pushover analysis.	Published online. (Volume 32, Issue-1)	Archives for Technical Sciences (ESCI)
3.	Karan Singhai, Dr. Neeraj Tiwari.	Numerical Investigation on Pile-Soil-Structure Interaction Using Response Spectrum Method.	Published online	National Academy science Letters (SCIE Q3)
4.	Karan Singhai, Dr. Neeraj Tiwari.	Time History Analysis of Pile-Soil-Structure Interaction Under Various Indian Seismic Scenarios: A Numerical Investigation Using ANSYS.	Published online	National Academy science Letters (SCIE Q3)
5	Tushar Golait, Dr. Neeraj Tiwari, Dr. M.S. Hora,	Nonlinear Static analysis of RCC space frame on sloping grounds incorporating SSI	Accepted.	Archives for Technical Sciences (ESCI)
6.	Karan Singhai, Dr. Neeraj Tiwari.	Integrating AI with Seismic Soil-Structure Interaction: From Foundations to Underground Structures	Published online (Volume 29, Issue-2), 2025	Earthquake and structures. (SCIE Q3).
7.	Karan Singhai, Dr. Neeraj Tiwari, Shrish Chandrawanshi.	Structure-Soil-Structure Interaction Effects on Pounding Vulnerability and Force Distribution Between Adjacent Buildings	Published online (Volume 29, Issue-2), 2025	9Earthquake and structures. (SCIE Q3).

8.	Kamal Singhai, Abhay Kumar Jha, Karan Singhai & Neeraj Tiwari	Material Evaluation for Shear Walls in (G+17) Residential Buildings Across Indian Seismic Zones using ETABS 2021	Published online, May 2025	National Academy Science Letters. (SCIE Q3).
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LIST OF PUBLICATIONS IN INTERNATIONAL SCOPUS Journals

S. No.	Authors	Title of Paper	Journal Name	Publisher
1	Dr. Neeraj Tiwari, Dr. M.S. Hora,	Interaction Analysis of Intze Tank-Fluid-Layered Soil System	Journal of engineering and applied science	ARPJN (SCOPUS Indexed)
2	Dr. Neeraj Tiwari, Dr. M.S. Hora,	TRANSIENT ANALYSIS OF ELEVATED INTZE WATER TANK- FLUID-SOIL SYSTEM	ARPJN	SCOPUS
3	Tushar Golait, Dr. Neeraj Tiwari, Dr. M.S. Hora,	A succinct review of the analysis of various types of structures subjected to random vibration.	Published online	International journal of Environmental Sciences (Scopus Indexed)

18. LIST OF PUBLICATIONS IN INTERNATIONAL CONFERENCE

S.No.	Authors	Title	STATUS	INDEXING
1.	Neeraj Tiwari, Dr J. K. Jain	FEM Analysis of corrugating roofing sheet	Published	REC Hamirpur 30 Nov, 2001
2.	Karan Moolchandani, Dr. Neeraj Tiwari	Analysis of Grid Type Bridge	Published	RACESD-2021
3.	Karan Singhai, Dr. Neeraj Tiwari	Earthquake resistant Techniques: a review	Published	RACESD-2021

4.	Tushar Golait, Dr. Neeraj Tiwari	Interaction analysis of Multi Story Building with Rigid and Flexible Foundation.	Published	RACESD-2021
5.	Mishra K., Tiwari Neeraj, Tiwari H.L.	Analysis of Reservoir Sedimentation using Satellite Images	Published	HYDRO-2022
6.	Gourav Kumar Agrawal, Dr. Neeraj Tiwari, Dr. M.S. Hora,	Effect of Geometric Parameters on Structural Behaviour of RCC Voided Deck Slab Bridge using Grillage Analogy Method.	Published	RACESD-2021
7.	Karan Singhai, Dr. Neeraj Tiwari, Sarthak Pathak, Aakash Varma.	Analyzing the Impact of Multi-Point Response Spectrum Analysis on the Seismic Response of Structures.	Presented	Scopus indexed conference SEC 2024 NIT TRICHY.
8.	Aakash Varma, Dr. Neeraj Tiwari, Karan Singhai, Yaduveer Singh Kansana.	Seismic Analysis of irregular plan multi- storey building considering Soil structure interaction.	Presented	Scopus indexed conference SEC 2024 NIT TRICHY.
9.	Karan Singhai, Dr. Neeraj Tiwari.	Study of Soil-Structure Interaction Effect for Different Types of Soil on a Flat Slab with Drop Panels Using ANSYS Software and Winkler's Model.	Published Online	Scopus indexed conference RAISE 2024 SVNIT SURAT
10.	Aakash Varma, Dr. Neeraj Tiwari	Seismic Performance of RC Frame Structure with the Amalgamation of Different Bracing Systems	Presented	Scopus indexed conference RAISE 2024 SVNIT SURAT
11	Karan Singhai, Dr. Neeraj Tiwari.	Time-Dependent SSSI Effects on RC Buildings During Uttarkashi Earthquake: A Comprehensive Analysis	Presented	Scopus indexed conference at IIT Roorkee,

				IMPLAST-2025
12	Aakash Varma, Dr. Neeraj Tiwari	Comparative Seismic Performance Analysis of Reinforced Concrete, Steel, and Composite Structural Systems in Irregular Multi-Story Buildings Using Equivalent Static and Response Spectrum Methods	Presented	Scopus indexed conference at IIT Roorkee, IMPLAST-2025

19. List of publications in National Conferences

S.No	Title of paper	Name of the Conference	Date & Year
1	Failure analysis of a hydro generator spider assembly employing FEM	IEI, Bhopal	25-26 May, 2009
2	Application of artificial intelligence techniques in fault diagnosis of induction motors	IEI, Bhopal	25-26 May, 2009
3	Computer simulation of forging process using FEM	Bubaneswer Orissa	11 June, 2006
4	Critical analysis of bending behaviour in hydro generator using FEM	Bubaneswer Orissa	11 June, 2006

20. Book Chapter

S.No.	Authors	Title	STATUS	INDEXING
1	Dheeraj Kumar Kaurav, Juned Raheem, and Neeraj Tiwari	Machine Learning Applications in Structural Health Monitoring of RCC and Steel Bridges: A Chronological Review	Published online.	Book Chapter Indexing Scopus, Published by Springer

		of Advancing Technologies		
2	Karan Singhai and Neeraj Tiwari	Study of Soil-Structure Interaction Effect for Different Types of Soil on a Flat Slab with Drop Panels Using ANSYS Software and Winkler's Model	Published online.	Book Chepter Indexing Scopus, Published by Springer
3	Dr. Neeraj Tiwari, Karan Singhai, Dr. M.S. Hora.	Economic analysis of RCC buildings with different types of slabs under seismic loading conditions.	Published online.	Book Chepter Indexing Scopus, Published by Springer
4	Dr. Neeraj Tiwari, Karan Singhai,	Dynamic Analysis of G+10 RCC Structure by Using RC Shear Walls at Different Locations for All Seismic Zone.	Published online.	Book Chepter Indexing Scopus, Published by Springer
5	Dr. Neeraj Tiwari, Dr. M.S. Hora, Karan Singhai, Tushar Golait, Rakesh Kumar.	Dynamic Analysis of Regular and Irregular Buildings with And Without Shear Wall Using Response Spectrum Method.	Published online.	Book Chepter Indexing Scopus, Published by Springer
6	Dr. Neeraj Tiwari, Dr. M.S. Hora, Tushar Golait	Pushover Analysis of Irregular Infill building frame to evaluate structural performance.	Published online.	Book Chepter Indexing Scopus, Published by Springer
7.	Dr. Pushyamitra Mishra, Dr. Neeraj Tiwari	Efficient Floor Design of Production workshop of Manufacturing units for Optimal Production.	Published	Materials today Proceedings (Elsevier)

Name two referees:

- (1) Dr. K. K. Pathak
Professor, Civil Engineering,
IIT, BHU, Varanasi
Mobile No. 09425303685
- (2) Dr. A. K. Jain
Professor, Civil Engineering,
NITTR, Bhopal
Mobile No. 09425675530

21. Details of Technical Reports

S.No.	Details of Technical Reports
1	Steady of Technical suitability of adopting Intze type tank OHT in place of Flat bottom overhead tanks for Sheopur water supply project. (MPUSIP-AF-4H)
2	Structural Audit Report of overhead water tank of located at Jawahar Navodaya Vidyalaya, Shyampur, Distt.- Sehore (MP) as per codal provisions.
3	Physical inspection and structural audit of a building located at ward No.- 18, House No.-06B, Hamidiya Road, Bhopal (MP).

Details of Ph.D. Supervision:

S. No	NAME OF STUDENT	Year of Reg.	Title of Thesis	Work Progress	Guide(s)
1	Tushar Golait	Jan.-2019	Nonlinear interaction analysis of irregular RC space frame-soil system on sloping ground.	Not Interested (3 Papers submitted)	Neeraj Tiwari M.S. Hora
2	Karan Singhai	Dec.-2021	Earthquake Analysis of civil engineering structures considering soil structure interaction.	Ongoing 5 Paper Published in SCI journal, 2 submitted	Neeraj Tiwari
3	Man Singh Meena 2231101007	Dec.-2022	Comparative study of ductile detailing in exterior beam-column joint using different type of concrete under different loading.	Ongoing	Neeraj Tiwari & Nitin Dindorkar
4	Akash Verma	June-2023	Course Work Completed, literature work on Torsional Buckling	Ongoing	Neeraj Tiwari
5	Dheeraj Korav	Augu.-2023	Course Work Completed, literature work on Bridges.	Ongoing	Neeraj Tiwari, Juned Raheem
6	Sarthak Pathak	Aug. 2025	Course Work is Ongoing	Ongoing	Neeraj Tiwari
7	Divya Goswami	Aug. 2005	Course Work is Ongoing	Ongoing	Neeraj Tiwari

Place: Bhopal

Date: May 22, 2025

(Signature)