

Brief Faculty Profile [Till March 31, 2025]

Name	Dr. Manjeet Singh Hora
Designation	Professor (Structural Engineering)
Date of Birth	November 04, 1961 [Age 63 years 05 months] Senior Citizen
Educational Qualification	-B.E. (Civil Engineering) 1983 -M.E. (Structural Engineering) 1986 -Ph.D. (Structural Engineering) 2005 -Diploma in Computers & Office Management (IGNOU), Delhi -Certificate Course in Industrial & Business Management (1983)
Experience	Teaching, Research and Administrative Experience: 40 Years
Present Basic	Rs 2,20,200=00 (Reached ceiling in AGP of Rs. 10500, PB4)
Specialization /Research Area	Specialization: Structural Engineering Research Areas: Soil-structure interaction, Nonlinear FEM, Fracture Mechanics, Earthquake resistant design & Bridge Design
Research Publication	- International Journals: 34 (SCI/ESCI/Scopus) - National Journals: 04 - International Conferences: 30 - National Conferences: 16 - Total number of publications: 88 - Book chapter: 06 (Springer/Scopus indexed)
Patent Published	02 in the year 2023 & 01 in year 2024
Membership of renowned Professional Bodies	- Indian Society for Tech. Education (Life member) –LM20519 - Institution of Engineers (IEI)- Fellow member F-174900 - Institution of Engineers (IEI)- Chartered Engineer M-60167/5 - Indian Geotechnical Society- Fellow Member LF-0617 - Institution of Valuers (IV)- Fellow Member F-20031 - Institution of Valuers (IV)- Approved Valuer F-20031 - Indian Association of Structural Engineers Fellow , F-306 - Indian Roads Congress (IRC)- LM-38928 - Indian Buildings Congress (IBC)-ML 6179 - Indian Concrete Institute (ICI)- LM10054 - Association of Consulting Civil Engineers (India)– Fellow F-4304 - Fire and Safety Association of India, ID. No. BHO-I-0719-0046 - Tunneling Association of India (TAI), 0017/TAI/IND/LM/2023 -Professional Engineer (PE) Certificate (IEI), PE7006972
Awards and Honors	-Chartered Engineer (IEI) since last 20 years -Awarded certificate of Professional Engineer (PE) by IEI in January 2024 based on professional expertise in the area of structural experience (based on credit points/credentials) -Approved valuer of Institution of Valuers (India)
Countries visited	Russia, Singapore, Malaysia, Dubai, Maritius, Switzerland, UK, France, Netherland, Belgium
U.G. & P.G. Projects	B. Tech. projects supervised: 18 M. Tech. Projects supervised: 80 [Ongoing 02]
Ph. D.'s Supervised	08 (Awarded, 05 as sole supervisor) [01 Ongoing]
Ph. D.'s Evaluated	22 (of NITs, GTU and other universities of the country)

Reviewer of reputed International Journal papers	Total papers reviewed so far 30
Research Project and /Consultancy Projects	R&D Project: Efficient methodologies for nonlinear interaction analysis of high-rise buildings and numerical validation: Grant-in Aid of Government of India (16.0 Lakhs) Consultancy Projects >1100 [Proof checking of structural design]
Administrative Responsibilities (Institute Level)	- Professor Incharge (Library) [2009] for 2 years - Professor Incharge (Human Resource) [2009-2010] - Head of Department –Applied Mechanics [2005-2006] -Member of committee of 6CPC for pay fixation (2009) - Head of Department- Applied Mechanics) [2011-2012] - Dean (Planning and Development) [2014 to 2016] - Member of ICC [Women Harassment Committee at work place] - Chairman 7CPC Pay Fixation of all employees (2018) -Chairman Canteen Monitoring Committee (2014) - Member of Library Development Committee (2019) -Chairman Pay Protection Committee (2021-22) -Standing committee for resolving academic issues of the Institute
Expert Lectures delivered	-Concepts of Structural Engg., SPA Bhopal (20 Lecture series) - RCC and steel design SPA Bhopal (20 Lecture series) -Theory of plates and shells, NITTTR, Bhopal (20 Lecture series) -Analysis of Plates, NITTTR, Bhopal (20 Lecture series) -Design of Shells, NITTTR, Bhopal (20 Lecture series)
Outreach Activities	-Reviewer of highly reputed international Journals -Member of BOS of NIT Raipur -External Expert of Academic Audit of NIT Jaipur -External Expert of Academic Audit of NIT Raipur -Developed computer Programs for nonlinear FEM analysis -Letter of appreciation from BOG MANIT [Recruitment 2010] -Member of pay fixation committee at SVNIT Surat -Member of pension fixation committee -Expert lectures delivered at MHRD governed institutions: 40 -Evaluated Ph.D. Thesis (22) of NITs/Research Lab/Universities
Any other information	- Competence in commercial software STAAD-Pro and ANSYS - Competence in high level language C++, Python coding - Subjects taught at UG and PG level: - Engineering Mechanics/Solid Mechanics (UG) - Strength of Materials/Mechanics of Materials (UG) - Advanced Mechanics of Solids (PG) - Stress and Vibration Analysis (UG) - Structural Analysis-I (UG) - Theory of Elasticity (PG) - Theory of Plates and Shells (PG) - Finite Element Method (UG & PG) - Experimental Stress Analysis (PG) - Structural Dynamics (PG) - Theory of Plasticity (PG) - Numerical Methods and Computer Programming (PG) - Analysis and Design of Shells (PG) - RCC Design (UG)