

NICMAR University of Construction Studies, Hyderabad

Position: Vice-Chancellor

Name: Lal Bahadur Roy
Email: lbroy@nitp.ac.in
Mobile: 9430248909
Gender: Male
Date of Birth: 30-Dec-1961



Education Detail

Education Level	Board / University	Institute / School / College	Marks	CGPA	Year
PhD	Patna University	Patna University	0.00	0.00	1993
Subjects / Specialization: Water Resources Engineering (Thesis Title: Drainage as Environmental Vector in Water Resource Projects of Bihar)					
Post Graduation	University of Roorkee (Now IIT Roorkee)	University of Roorkee (Now IIT Roorkee)	77.12	0.00	1987
Subjects / Specialization: Civil Engineering (Geotechnical Engineering)					
Graduation	Regional Institute of Technology Jamshedpur (Now NIT Jamshedpur)	Regional Institute of Technology Jamshedpur (Now NIT Jamshedpur)	79.33	0.00	1984
Subjects / Specialization: Civil Engineering					
Higher Secondary	Patna University	Science College Patna	66.33	0.00	1978
Subjects / Specialization: Physcis, Chemistry, Mathematics, English, Hindi, General Knowledge (Elective)					
Secondary	Bihar School Examination Board	High School KanhaiyaChak (Parbatta)	78.33	0.00	1976
Subjects / Specialization: Physics, Chemistry, Advance Mathematics, Elementary Mathematics, English 1, English 2, Hindi 1, Hindi 2, Social Studies, Sanskrit (Elective)					

Work Experience (Total: 40Y 0M)

#	Organization	Designation	From	To	Duration
1	National Institute of Technology Patna	Professor	Aug 2013	Present	13Y 0M
2	National Institute of Technology Patna	Associate Professor	Jan 2006	Aug 2013	7Y 7M
3	WALMI, Patna	Assistant Professor	Aug 2004	Jan 2006	1Y 5M
4	President Arba Minch University, P. O. box 21, Arba Minch, Ethiopia	Associate Professor	Feb 2002	Jul 2004	2Y 4M
5	WALMI, Patna	Assistant Professor	Jul 2001	Feb 2002	0Y 6M
6	Arba Minch University, Ethiopia	Associate Professor and HOD	Oct 1999	Jul 2001	1Y 9M
7	AWIT, Arba Minch University, Ethiopia	Associate Professor	Oct 1997	Sep 1999	1Y 11M
8	AWIT, Arba Minch University, Ethiopia	Associate Professor	Sep 1995	Sep 1997	2Y 0M
9	WALMI, Patna	Assistant Professor cum Assistant Engineer	Apr 1988	Sep 1995	7Y 5M
10	NIT Jamshedpur	Lecturer	Feb 1987	Aug 1987	0Y 6M
11	NIT Jamshedpur	Part Time Lecturer	Dec 1984	Jul 1985	0Y 6M
12	WRD, Government of Bihar	Assistant Engineer	Sep 1987	Apr 1988	0Y 7M

Research Publication

#	Title	Journal	Year
1	Model tests on ordinary and geosynthetic encased stone columns with recycled aggregates as filler material	International Journal of Geo-Engineering	Jan-2024
2	Reliability analysis of reinforced soil slope stability using GA-ANFIS, RFC, and GMDH soft computing techniques	Case Studies in Construction Materials	Jul-2023
3	Rainfall induced geotextile reinforced model slope embankment subjected to surcharge loading: a review study	Archives of Computational Methods in Engineering	Aug-2022
4	Probabilistic based reliability slope stability analysis using FOSM, FORM, and MCS	Engineering, Technology & Applied Science Research	Apr-2022
5	Reliability analysis of soil slope stability using MARS, GPR and FN soft computing techniques	Modeling Earth Systems and Environment	Jun-2022
6	Assessment of groundwater quality using water quality indices: a case study of Paliganj Distributary, Bihar, India	Engineering, Technology & Applied Science Research	Feb-2022
7	Suitability analysis of stone column materials with PLAXIS	Engineering, Technology & Applied Science Research	Apr-2022
8	The effect of geometric parameters on the strength of stone columns	Engineering, Technology & Applied Science Research	Aug-2022
9	Application of soft computing techniques for shallow foundation reliability in geotechnical engineering	Geoscience Frontiers	Jan-2021
10	A statistical investigation of different parameters influencing compressive strength of fly ash induced geopolymer concrete	Structural Concrete	Oct-2018

Published Books / Chapters

#	Book Title	Publisher	Institution
1	Groundwater and water quality	Springer International Publishing (License Springer Nature Switzerland AG 2022)	ISSN: 0921-092X / ISBN: 978-3-031-09550-4
2	Recent Advances in Civil Engineering	Excel India Publishers	e-ISBN: 978-93-89947-11-3
3	River Hydraulics	Springer International Publishing (License Springer Nature Switzerland AG 2022)	0921-092X / 978-3-030-81767-1
4	Application of Graphics in Engineering	Standard Publishers Distributors, 1705-B, New Delhi-6	N.A.
5	Hydrological Modeling	Springer Nature Publication (Switzerland AG 2022)	0921-092X / 978-3-030-81357-4
6	Static Graphics (in Hindi)	Standard Publishers Distributors, 1705-B, New Delhi-6	N.A.
7	Water Resources Management and Reservoir Operation	Springer International Publishing (License Springer Nature Switzerland AG 2021)	Series ISSN 0921-092X / ISBN: 978-3-030-79399-9
8	River and Coastal Engineering	Springer International Publishing (License Springer Nature Switzerland AG 2022)	Series ISSN 0921-092X / ISBN 978-3-031-05056-5
9	Climate Change Impacts on Water Resources	Springer Cham (License Springer Nature Switzerland AG 2021)	ISSN: 0921-092X / ISBN: 978-3-030-64201-3

Administrative Experience (Total: 59Y 2M)

#	Post	Institution	From	To	Duration
1	Member, Board of Governors	Government Engineering College Gaya	Oct 2019	Apr 2024	4Y 6M
2	Dean, Research & Consultancy	National Institute of Technology Patna	Apr 2019	Apr 2022	3Y 0M
3	Chairman Purchase committee	NIT Patna, Civil Engineering Department	Jul 2018	Mar 2025	6Y 8M
4	Dean Academics	National Institute of Technology Patna	Jan 2014	Jan 2016	2Y 0M
5	Associate Dean Academics	National Institute of Technology Patna	Jul 2013	Dec 2013	0Y 5M
6	Member, Board of Studies	National Institute of Technology Patna	Jul 2013	Apr 2024	10Y 9M
7	HOD, Civil Engineering	National Institute of Technology Patna	Jul 2011	Jul 2013	2Y 0M
8	Chairman, Board of Studies	National Institute of Technology Patna	Jul 2011	Jul 2013	2Y 0M
9	Member, Senate	National Institute of Technology Patna	Jul 2011	Jun 2026	14Y 11M
10	National Institute of Technology Patna	Deputy Registrar, Examination Service	Apr 2006	Nov 2011	5Y 6M
11	HOD, Irrigation Engineering Department	Arbaminch Water Technology Institute, Arba Minch University, Ethiopia	Oct 1997	Jul 2001	3Y 9M
12	Coordinator, induction course for junior engineers and Short term Courses for Middle level officers of WRD, Govt. of Bihar	WALMI Patna	Apr 1992	Sep 1995	3Y 5M

Major Research

#	Project Title	Value	Agency	From	To	Duration
1	The Technical and social Problems and their solutions in the commands of Hare Irrigation Scheme	10000 Ethiopian Birr	The Netherlands Technical Cooperation, SNV Ethiopia	Mar 2000	Apr 2004	4Y 1M
2	Cement Lime and Teff straw-ash stabilized Soil	5000 Ethiopian Birr	Ethiopia Science and Technology Commission	Mar 1997	Apr 1999	2Y 1M

International Experience

#	Organization / Body	Experience
1	AWTI, Arba Minch University, Ethopia (1995-1997)	Associate Professor
2	Irrigation Engineering Department, Arba Minch University, Ethopia (1999-2001)	Associate Professor
3	President Arba Minch University, P.O. box 21, Arba Minch, Ethiopia (2002-2004)	Associate Professor of Irrigation Engineering
4	AWTI, Arba Minch University, Ethopia (1997-1999)	Associate Professor

Leadership Experience

#	Brief Description
1	Member of Margdarshak Cell, under the All India Council For Technical Education (AICTE)
2	Member of Board of Governors (BOG) for Gaya College of Engineering , Gaya.
3	Worked as an Expert for NBA Accreditation for several years
4	Country Representative for Ethiopia in the ICID Journal
5	HOD of Civil Engineering Department, NIT Patna
6	Worked as an Scrutiny/Re Scrutiny Committee Expert for AICTE

Statutory Authorities

#	Institution	Statutory Forum	From	To
1	National Institute of Technology Patna	Member, Senate	Jul 2007	Sep 2026
2	National Institute of Technology Patna	Chairman, Board of Studies	Jul 2011	Jul 2013
3	Government Engineering College Gaya	Member, BoarD of Governors	Sep 2019	Apr 2024
4	National Institute of Technology Patna	HOD, Civil Engineering	Jul 2011	Jul 2013
5	National Institute of Technology Patna	Member, Board of Studies	Jul 2013	Apr 2024
6	National Institute of Technology Patna	Dean Academics	Jan 2014	Jan 2016
7	National Institute of Technology Patna	Dean, Research & Consultancy	Apr 2019	Apr 2022
8	National Institute of Technology Patna	Chairman Purchase committee	Jul 2018	Mar 2025
9	Arbaminch Water Technology Institute, Arba Minch University, Ethiopia	HOD, Irrigation Engineering Department	Oct 1997	Jul 2001
10	National Institute of Technology Patna	Deputy Registrar, Examination Service	Apr 2006	Nov 2011

Quality Assurance Experience

#	Area	Institution	From	To	Achievements
1	Expert member for NBA Accreditation	National Board of Accreditation (NBA)	Apr 2024	Sep 2026	Expert visiting member for several years
2	Scrutiny and Re-Scrutiny Committee member for AICTE	All India Council for Technical Education (AICTE)	May 2023	Sep 2026	Expert/Committee member for several years
3	CCMT counselling and administrative work	CCMT (Graduation admission)	Jul 2018	Aug 2019	Committee Member

PhD Student Guided

#	Guide No	Co-Guide No
1	13	4

Youth Development Experience

#	Activity	Institution	Achievements	From	To	Duration
1	Formulation of MOU	Korean Culture Centre India, The Embassy of the Republic of Korea	Establishment of a Centre of The King Sejong Institute South Korea at NIT Patna	Jun 2014	Jun 2014	0Y 0M