

Bio-Data

DR. LAXMIKANT YADU

Corresponding Address

Assistant Professor,
Civil Engineering Department,
NIT, Raipur, (www.nitr.ac.in)
Nagar,
Chhattisgarh (India) 492010
Ph: +91- 9425216529

E-mail – lkyadu@gmail.com, lkyadu@nitr.ac.in

Residential Address

S/O Shri L. C. Yadu
HD-244, Phase – III
Near Goul Chowk, Kabir
Raipur, C.G. (India) -492001



EDUCATION QUALIFICATION:

Degree	Institute	Board/University	Year of Passing	Grade/Percentage
Ph.D (Doctor of Philosophy)	National Institute of Technology Raipur, G.E. Road Raipur http://www.nitr.ac.in	National Institute of Technology Raipur, G.E. Road Raipur	7 th Nov. 2014	-
Master's (M.Tech. in Geotechnical Engineering)	Indian Institute of Technology (IIT), Delhi, India http://www.iitd.ac.in	Indian Institute of Technology, Delhi, India	2005	7.95 (Scale of 10)
Bachelor's (B.E. in Civil Engineering)	Government Engineering College (GEC), Raipur, Now known as National Institute of Technology (NIT), Raipur, Chhattisgarh, India http://www.nitr.ac.in	Pt. Ravi Shankar Shukla University, Raipur, Chhattisgarh, India	2001	72.12
Higher Secondary Examination (12 th Standard)	Saraswati Higher Secondary (S.H.S.) School, Bagbahara, Chhattisgarh, India	Board of Secondary Education, Bhopal, Madhya Pradesh, (M. P. Board), India	1996	73.55
High School Examination (10 th Standard)	S.H.S. School, Bagbahara, Chhattisgarh, India	M. P. Board, India	1994	87.07

PAPER PUBLISHED IN INTERNATIONAL / NATIONAL JOURNALS

1. Thomas A., Tripathi R.K. and Yadu L.K. (2016) “Soil Stabilisation using Terrasil”, International Journal of Earth Sciences and Engineering. (ISSN 0974-5904) (Accepted for publication) (**Scopus Indexed**)
2. Yadu L.K. and Tripathi R.K. (2015). “Response of Circular Footing on New Key Engineering Material - Granulated Blast Furnace Slag as Structural Fill”

International Journal of Advanced Materials Research, Trans Tech Publications, Switzerland, Vol 1119, pp 726-730.

doi:10.4028/www.scientific.net/AMR.1119.726

3. Vivek Verma and Yadu L.K. (2014). "Response of circular footing by varying the vertical spacing of reinforcement resting on structural fill." International Journal of Innovative Research in Science Engineering and Technology, Volume-3, Issue-9, pp 16294-16299. (ISSN: 2319 –8753). *doi: 10.15680/IJRSET.2014.0309070*
4. Yadu L.K. and Tripathi R.K. (2014). "Effect of Depth and Number of Layers of Reinforcement on Bearing Capacity Ratio of Strip Footing Resting on Granulated Blast Furnace Slag Reinforced with Geogrid" Geotechnical Special Publication No. 234, ASCE pp 3605-3614. (**Scopus Indexed**)
doi: <http://dx.doi.org/10.1061/9780784413272.349>
5. Tripathi R.K. and Yadu L.K. (2014). "Effect on Bearing Capacity Ratio of Strip Footing for Various Granular Fill Thickness and Number of Geogrid Layers in Granular Fill Overlay on Soft Soil " Geotechnical Special Publication No. 234, ASCE pp 2503-2512. *doi: <http://dx.doi.org/10.1061/9780784413272.242>* (**Scopus Indexed**)
6. Yadu L.K. and Tripathi R.K. (2013). "Effect of the Length of Geogrid Layers in the Bearing Capacity Ratio of Geogrid Reinforced Granular Fill-Soft Subgrade Soil System" Procedia - Social and Behavioral Sciences, Elsevier, pp 225-234. (ISSN: 1877-0428). *doi:10.1016/j.sbspro.2013.11.115* (**Scopus Indexed**)
<http://www.sciencedirect.com/science/article/pii/S1877042813045060>
7. Yadu L.K. and Tripathi R.K. (2013). "Stabilization of Soft Soil with Granulated Blast Furnace Slag and Fly Ash" International Journal of Research, Engineering and Technology, Volume 2, Issue 2, pp115-119. (ISSN: 2319-1163), *DOI: 10.15623/ijret.2013.0202005*
8. Yadu L.K. and Tripathi R.K. (2013). "Effectiveness of Granulated Blast Furnace Slag over Sand as Overlay for the Stabilization of Soft Clay" International Journal of Advanced Technology in Civil Engineering, Volume-2, Issue-2, pp 32-37. (ISSN: 2231 –5721), Available online at
http://interscience.in/ijatce_vol2Iss2.html.
http://interscience.in/IJATCE_Vol2Iss2/32-37.pdf
9. Yadu L.K., Tripathi, R.K. (2012). "Effects of Granulated Blast Furnace Slag in the Engineering Behavior of Stabilized Soft Soil" Elsevier Procedia Engineering 51(2013)125-131. (ISSN: 1877-7058) *DOI: 10.1016/j.proeng.2013.01.019* (**Scopus Indexed**)
10. Yadu, L.K., Tripathi, R.K., and Singh, D.V. (2011). "Comparison of Fly Ash and Rice Husk Ash Stabilized Black Cotton Soil," International Journal of Earth Sciences and Engineering, Volume 04, No. 06 SPL, pp 42-45. (ISSN 0974-5904). (**Scopus Indexed**)

11. Singh D.V., Reddy, S.K., and Yadu, L.K. (2011). "Moisture and Compaction Based Statistical Model for Estimating CBR of Fine Grained Subgrade Soils," International Journal of Earth Sciences and Engineering, Volume 04, No. 06 SPL, pp 100-103. (ISSN 0974-5904). (**Scopus indexed**)
12. Yadu, L.K., Tripathi, R.K., and Singh, D.V. (2011). "Laboratory Performance Evaluation of Stabilized Black Cotton Soil with Rice Husk Ash," Journal of Chhattisgarh Swami Vivekanand Technical University Bhilai, Volume 4, No. 1, pp 50-55. (ISSN 0974-8725).

PAPER PUBLISHED IN INTERNATIONAL / NATIONAL CONFERENCES

1. Thomas A., Yadu L.K. and Tripathi R.K. (2016) "Variation in shear modulus of enzyme treated soil under cyclic loading", Geochina 2016 Geotechnical Special Publication, American Society of Civil Engineers. (Accepted) (**Scopus Indexed**)
2. **Yadu L.K.**, Tripathi, R.K. (2013). "Effectiveness of Granulated Blast Furnace Slag over Sand as Overlay for the Stabilization of Soft Clay". International Conference on Advances in engineering and Technology Convergence (AETC) Organised by Interscience Research Network, at Bangkok Thailand on 28th April 2013, pp 40-45. (ISBN No. 978-93-82208-89-1). Availbale online at www.irnetexplore.ac.in. (Received Young Investigator Award for this paper). (*Published in the Journal of IJATCE*)
3. Tripathi R.K. and **Yadu L.K.** (2013). "Bearing Capacity of Square Footing on Soft Soil Stabilized with Rice Husk Ash – An Experimental Study". International Conference on Emerging Trends in Engineering and Technology (ICETET'2013) Dec. 7-8, 2013 Patong Beach, Phuket (Thailand).
4. **Yadu, L.K.**, Singh, D.V., and Tripathi, R.K. (2011). "Strength Characteristics of Rice Husk Ash Stabilized Black Cotton Soil," Proceedings of International Conference on Advances in Materials and Techniques for Infrastructure Development (AMTID 2011), Department of Civil Engineering, National Institute of Technology, Calicut, Kerla, India, September 28-30, Paper No. T022.
5. **Yadu, L.K.**, Tripathi, R.K., and Patel, A. (2011). "Smart Building and Photovoltaic Based Cooling System," Proceedings of 27th National Convention of Civil Engineers and National Seminar on Integrated Development of Towns as Growth Centers, The Institution of Engineers (India) Chhattisgarh State Centre, Raipur in Association with National Institute of Technology Raipur, CG, India, October 15-16, pp 150-153.
6. Singh, D.V., Reddy, K.S., **Yadu, L.K.** (2010). "Characterization of Fine Grained Subgrade Soils for Pavement Design," Proceedings of International Conference on Development of Road Transportation, Department of Civil Engineering, National Institute of Technology, Rourkela, Orissa, India, October 08-10, pp 367-375.
7. **Yadu, L. K.**, and Shahu, J. T. (2007). "Analysis of Gravity Dam Foundation with Shear Seam and Remedial Measure," Proceedings of National Conference on Civil Engineering Advancement and Challenges (CEAC-2007), M. M. Engineering, College, Ambala, Haryana, India, March 9-11, pp 126-131.

8. **Yadu, L. K.**, and Shahu, J. T. (2007). “Gravity Dam Foundation Analysis with Shear Seam and Concrete Pile as a Remedial Measure,” Proceedings of National Conference on Emerging Technology and Developments in Civil Engineering, Government College of Engineering, Amravati, Maharashtra, India, March 22-23, pp VII-86-VII-92.
9. **Yadu, L. K.** (2007). “Analysis of Gravity Dam Foundation With Shear Seam – A Parametric Study,” Proceedings of National Conference on Advances and Innovations in Civil Engineering, Mepco Schlenk Engineering College, Sivakasi, Tamilnadu, India, March 24, pp 20-23.

SPONSORED R&D PROJECTS:

- “Improving soft subgrade for the construction of low volume roads using locally available materials” Sponsored by Chhattisgarh Council of Science and Technology, Government of Chhattisgarh for two years of Amount 2.0 Lakhs. (on going – Awarded in March 2012).
- “Construction of Low Volume Roads on Soft Subgrade Soil Imporved by Locally Available Marginal Materials” Funded by Human Settlement Managment Institute - Housing and Urban Development Corporation (HSMI-HUDCO), New Delhi for two year of Amount 25.0 Lakhs (on going – Awarded in Feb 2014).
- “Performance Evaluation of some Selected PMGSY Roads sections in the state of Chhattisgarh” Funded by National Rural Road Development Agency, New Delhi of amount 41.89 Lakhs (Ongoing- awarded in 15th October 2015).

GOOGLE CITATION:

Citation indices	All	Since 2011
Citations	39	37
h-index	3	3
i10-index	1	1

RESEARCH GATE SCORE: 3.55

VISIT ABROAD:

Thailand: Bangkok, Pataya
Singapore:

During 27th April to 30th April 2013.
 During 20th March to 24th March 2015

PROFESSIONAL MEMBERSHIP:

- Member of American Society of Civil Engineers [**A.M. ASCE, Member ID# 9132503**]
- Member of Geo-Institute, American Society of Civil Engineers.
- Member of International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) for the Years 2014-2017. [**IND12LM-3183**]
- Member of Indian Geotechnical Society, Delhi Chapter, India. [**LM-3183**]
- Member of Indian Roads Congress, New Delhi, India. [**LM-37607**]
- Member of Institution of Engineers (India) [**AM099438-6**]
- Member of Indian Concrete Institute [**LM-9656**]
- Member of Indian Association of Soil and Water Conservationists [**LM-1827**]
- Member of Indian Meteorological Society [**LM-2587**].

REVIEWER

Journals:

- Reviewer of Journal of Geological Resource and Engineering, David Publishing. ISSN:2328-2193. (http://www.davidpublishing.com/journals_info.asp?jld=2119#)
- Reviewer of Geomechanics and Engineering: An International Journal.
- Reviewer of Canadian Geotechnical Journal.

TEACHING EXPERIENCE:

- Currently working as an Assistant Professor in Civil Engineering Department in National Institute of Technology, Raipur, Chhattisgarh, India (March 2009 to till date). (<http://www.nitr.ac.in>)
- Worked as a Lecturer in Civil Engineering Department (Geotechnical Group) in Birla Institute of Technology and Science (BITS), Pilani, Rajasthan, India (December 2005 to July 2008). (<http://www.bits-pilani.ac.in>)
- Worked as a Lecturer (Guest Faculty) in Civil Engineering Department, National Institute of Technology, Raipur, Chhattisgarh, India (Sep. 2001 to July 2003). NIT, Raipur is considered one of the most reputed Engineering Institute of India. (<http://www.nitr.ac.in>)

FIELD EXPERIENCE:

- Worked as an Assistant Engineer (Sub-Divisional Officer) in Rural Engineering Services, Panchayat and Rural Development Department, Government of Chhattisgarh, Raipur at Project Implementation Unit (PIU), Pradhan Mantri Gram Sadak Yojana Durg, Chhattisgarh, India (July 2008 to March 2009).
- Worked as an Assistant Engineer (Sub-Divisional Officer) for Asian Development Bank funded project under Pradhan Mantri Gram Sadak Yojana (PMGSY) affiliated with National Rural Roads Development Authority (NRRDA), New Delhi, India at Project Implementation Unit (PIU) Mahasund, Chhattisgarh, India (June 2005 to Nov. 2005).

ADMINISTRATIVE EXPERIENCE:

1. TEQIP-II Departmental Coordinator of Civil Engineering Department, NIT Raipur, Chhattisgarh, India. (October 2013 to till date).
2. Head (Incharge) of Civil Engineering Department, NIT Raipur, Chhattisgarh, India. (June' 12th to June 30th 2013).
3. Assistance to Dean (Planning and Development), NIT Raipur, Chhattisgarh, India (Sep' 2011 to till date).
4. Professor-Incharge of Testing works in Civil Engineering Department, NIT, Raipur, Chhattisgarh, India (Sep'2009 to Aug 2011) and (July'2013 to till date).
5. Professor-Incharge of Civil Engineering Association in Civil Engineering Department, NIT, Raipur, Chhattisgarh, India (July'2009 to July' 2013).

6. Geotech Engineering Laboratory Incharge in Civil Engineering Department, NIT, Raipur, Chhattisgarh, India (May'2009 to till date).
7. Member of the Anti Ranging Committee for Boy's Hostels on Wednesday and Thursday. [Institute order No./NITRR/Anti Ranging/2011/264 Raipur Dated 19.07.11].
8. Member of the committee for the venue and seating arrangement in ECLECTIAK 2009 and 2010.
9. Faculty Member of the Institute Technical Committee for year 2009-10 and 2010-11.
10. Member of the team for investigation for Chimney collapse at Balco Nagar Polce Station Crime N0. 377/09 under section 304,34 of I.P.C. [Institute order No 370/Civil/Consultancy/2009, Raipur, Dated 07.10.2009].
11. Worked as an Analyzer of the question paper for Sub-Engineer (Civil) Rural Engineering Services selection Exam 2011 conducted by Chhattisgarh Professional Examination Board Raipur (CGVYAPAM).
12. Worked as an Analyzer of the question paper for Sub-Engineer (Civil) Nagriya Nikay selection Exam 2010 conducted by Chhattisgarh Professional Examination Board Raipur (CGVYAPAM).
13. Worked as an Analyzer of the question paper of Public Health Engineering for Sub Engineer (Civil) Selection Exam – 2010 conducted by Chhattisgarh Professional Examination Board Raipur (CGVYAPAM).
14. Worked as an Analyzer of the question paper of Tribal Department, Civil Engineering Recruitment Exam-2008 conducted by Chhattisgarh Professional Examination Board Raipur (CGVYAPAM).

SEMINAR / WORKSHOP/SHORT TERM COURSE ORGANISED:

1. Organised two weeks course “Modern Geotechnical Engineering” under Global Initiative for Global Network (GIAN) programme funded by Ministry of Human Resources Development, Government of India from 21st Dec to 28th Dec 2015 at NIT Raipur as Course Coordinator and host faculty.
2. Organized five days short term hands on training programme “Testing Methods in Civil Engineering Construction” under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur from 16th November to 20th November 2015 as Coordinator.
3. Organized two days workshop “Water Resources in Developing Countries: Planning and Management under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur on 27th and 28th August 2015 as organising member.
4. Organized one day workshop under research project “Construction of Low Volume Roads on Soft Subgrade Soil Improved by Locally Available Marginal Materials” funded by Human Settlement Management Institute (HSMI), HUDCO New Delhi at Civil Engineering Department, National Institute of Technology Raipur in association with HSMI, HUDCO New Delhi on 14th August 2015 as Coordinator.

5. Organized one day workshop “Research Schemes in DST & Recent Advances in Civil & Transportation Engineering” under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur on 1st August 2015 as Coordinator.
6. Organized a Regional Educational Workshop on “Structural Engineering Solutions” organized by Civil Engineering Department, National Institute of Technology Raipur in association with Concept Tele Systems (Bentley Channel Partner) on 29th and 30th October 2012 at National Institute of Technology Raipur as Member of Organizing Committee.
7. Organized a Short term course for the Practicing Engineers of the Government Department of Government of Chhattisgarh, under National Programme for Capacity Building of Engineers in Earthquake Risk Management funded by Ministry of Home Affairs, Government of India, during 3rd May to 7th May 2010 at National Institute of Technology Raipur as a Co-ordinator.

EXPERT LECTURE DELIVERED:

1. Delivered a lecture on “Geo-environmental Challenges and Solutions” on two weeks course “Modern Geotechnical Engineering” under Global Initiative for Global Network (GIAN) programme funded by Ministry of Human Resources Development, Government of India from 21st Dec to 28th Dec 2015 at NIT Raipur on 27.12.2015.
2. Delivered a lecture on “Geotechnical Investigations for various sites & Laboratory & field investigations for Construction of subgrade and granular layers using locally available material” in five days short term hands on training programme “Testing Methods in Civil Engineering Construction” under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur on 19.11.2015.
3. Delivered an Expert Lecture on topic “New Trends in Geotechnical Engineering” at O.P. Jindal Institute of Technology Raigarh, Chhattisgarh, India on 1st April 2015.
4. Delivered an Expert Lecture on topic “Design Aspects of Earthquake Resistant Shallow Foundation” in Training Programme on “Earthquake Resistant Building Construction Techniques and Safe Construction Practices” for the Engineers of various government department of Government of Chhattisgarh and Engineers of Public & Private Sectors on 9th March 2015 at Government Engineering College Bilaspur, Chhattisgarh, India.
5. Delivered a Lecture on topic “Fly Ash: A Resource Material for Soil Stabilisation and Embankment Construction” in one day Workshop “Ash Utilization Challenges and Opportunities” on 24th February 2015 at NSPCL Bhilai Expansion Plant Bhilai, Chhattisgarh. India.
6. Delivered a Lecture on topic “ Geotechnical Investigation and Foundation Types” in “Training Programme for Capacity Building of Engineers -2012” for the Engineers of Public Works Department, Government of Chhattisgarh, PWD (B&R) Division Kanker on 22nd September 2012 at Manas Bhavan, Kanker, Dist-Kanker, Chhattisgarh.
7. Delivered a Lecture on topic “Design Aspects of Earthquake Resistant Shallow Foundation” in a short term course for the Practicing Engineers of the

Government Department of Government of Chhattisgarh, under National Programme for Capacity Building of Engineers in Earthquake Risk Management funded by Ministry of Home Affairs, Government of India, on 4th May 2010 at National Institute of Technology Raipur.

8. Delivered Lecture on “Radioactive Waste: The Problem and its Management” as an Expert for Academic and Industrial Participant on Hazardous Waste Management two days seminar under Ministry of Environment and Forest Department, Government of India in association with National Institute of Technology Raipur at National Institute of Technology Raipur Chhattisgarh (22nd August 2009).
9. Delivered Series of Lectures on “Quality Control and Assurance of Rural Roads” for Assistant Engineer and Junior Engineer of Public Works Department (PWD) Rajasthan State, India under Pradhan Mantri Gram Sadak Yojana (Prime Minister Village Road Scheme) Training Programme, conducted by National Rural Roads Development Authority (NRRDA), New Delhi, India at Birla Institute of Technology and Science (BITS), Pilani, Rajasthan, India (Jan - March 2006).

SHORT TERM COURSE ATTENDED:

1. One week refresher course on “Finite Element Method” Organised by Department of Mechanical Engineering, National Institute of Technology Raipur at NIT Raipur from 18-22nd June 2012.
2. Short term course on “Waste Treatment and Cleaner Technologies” held at National Institute of Technology Raipur organised by Department of Chemical Engineering during 28th May to 1st June 2012.
3. Short Course on “Finite Element Method, Constitutive Modeling and Applications” held at Indian Institute of Technology Gandhinagar during April 02-05, 2012.
4. Four Weeks Training programme under “National Programme for Capacity Building of Engineers in Earthquake Risk Management (NPCBEERM)” Conducted by Ministry of Home and National Earthquake Risk Management Department, Government of India at Civil Engineering Department, Indian Institute of Technology Kharagpur West Bengal as a Faculty of State Resources Institute (NIT Raipur) (June 08 – July 05 2009).

SEMINAR / WORKSHOP ATTENDED:

1. Two day workshop on Sustainable Construction Materials and Agricultural Waste” organised by Department of Civil and Engineering, VNIT Nagpur on Oct 11 to Oct 12, 2015 at VNIT Nagpur.
2. One day workshop under research project “Construction of Low Volume Roads on Soft Subgrade Soil Improved by Locally Available Marginal Materials” funded by Human Settlement Management Institute (HSMI), HUDCO New Delhi at Civil Engineering Department, National Institute of Technology Raipur in association with HSMI, HUDCO New Delhi on 14th August 2015.

3. One day workshop “Research Schemes in DST & Recent Advances in Civil & Transportation Engineering” under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur on 1st August 2015.
4. Workshop on “Intellectual Property Rights (IPR)” on 4th and 5th April 2014 organised by National Institute of Technology Raipur and Chhattisgarh Council of Science and Technology, held at National Institute of Technology, Raipur.
5. Workshop on “Intellectual Property Rights (IPR)” on 4th and 5th April 2014 organised by National Institute of Technology Raipur and Chhattisgarh Council of Science and Technology, held at National Institute of Technology, Raipur.
6. Workshop on Mathematical Modelling, Chemoinformatics and Quantum Chemistry on 19th February 2013 conducted by Department of Electronics & Telecommunication and Central Computing Center, held at National Institute of Technology, Raipur.
7. Workshop on “Deployment and Collaboration of Analytical Reports & Models” on February 1, 2013 held at National Institute of Technology Raipur.
8. Regional Educational Workshop on “Structural Engineering Solutions” organized by Civil Engineering Department, National Institute of Technology Raipur in association with Concept Tele Systems (Bentley Channel Partner) on 29th and 30th October 2012 at National Institute of Technology Raipur.
9. National seminar on “Emerging Concept of Green Buildings in Chhattisgarh”, organized on 17th October, 2012 at Hotel Golden Tulip, Raipur by E-Tech Consultancy Services & Enterprises GEC Structural Consultants & Contractors.
10. All India workshop on ”Awareness of Indian Standards with Particular Reference to National Building Code (NBC) 2005” organised by The Institution of Engineers (India) Chhattisgarh State Centre, Raipur (Under the aegis of Civil Engineering Division Board IEI Kolkata) in association with Bureau of Indian Standards, New Delhi on 27th April 2012, at Raipur Chhattisgarh.
11. QIP Course – AICTE Sponsored workshop on Engineering Optimization using Matlab and Excel held at IIT Guwahati, organised by Civil and Mechanical Engineering Department during February 29 to March 2, 2012.
12. Indo – Norwegian Workshop on “Potential For Increased Use Of Mineral Wastes In Cement And Concrete” at Le Mariadian Hotel New Delhi on 20th Dec 2011, Sponserd by National Council for Cement and Building Materials and SINTEF Norway.
13. Three days 44th Annual convention of Indian Water Works Association at Shri Agrasen Dham, Raipur, CG, India (7th to 9th January 2012).
14. Two days 27th National Convention of Civil Engineers and National Seminar on “Integrated Development on Town as Growth Centers”, The Institution of Engineers (India) Chhattisgarh State Centre, Raipur in Association with National Institute of Technology Raipur, CG, India, (15th and 16th October 2011).
15. One day International Seminar/workshop on “Mega Foundations-Large and Deep Foundations,” Civil Engineering Department, Indian Institute of Technology Mumbai at Indian Institute of Technology Mumbai, India. (9th September 2010).

16. Two days National Seminar on “Future Urbanization” organized by Arhitecture Department, National Institute of Technology Raipur at National Institute of Technology Raipur. (27th and 28th July 2010).
17. Two days National seminar on “Hazardous Waste Management,” under Ministry of Environment and Forest Department, Government of India in association with National Institute of Technology Raipur at National Institute of Technology Raipur Chhattisgarh. (21st and 22nd August 2009).
18. One day National Seminar/workshop on “Durability of concrete and Role of Blended Cements,” ACC Cements in Association with Civil Engineering Department, National Institute of Technology Raipur at National Institute of Technology Raipur Chhattisgarh. (29th March 2009).

PROJECT SUPERVISION:

PhD Supervision:

Sl. No.	Candidate Name	Proposed Topic	Joint-Supervisors
1	Mr. Ishtiyag Ahamd	Integrated river basin planning & management: Sheonath basin in Chhattisgarh state	Dr. M. K. Verma
2	Mrs. Shobha Maliwal	Flood control measures by integrated operation of multi reservoir system: Mahanadi reservoir project complex	Dr. M. K. Verma
3	Mr. Manikant Verma	Assessing the impact of climate variability and land use change on hydrological processes of Seonath river basin	Dr. M. K. Verma
4	Ms. Ansu Thomas	Soil Stabilisation using non-traditional stabiliser	Dr. R. K. Tripathi
5	Mr. Atul Dubey	Study of various granular fill soft soil system behaviours under transverse loading on rigid square footing.	Dr. R. K. Tripathi
6	Mr. Pankaj	Study on vertical and batter piles subjected to lateral loading	Sole
7	Mr. Tarun Kumar Rajak	Slope stability of dump materials	Sole

B. Tech. (Graduate Level) Final Year Thesis:

1. Chandrashekhhar Ogrey, Tapan Kumar Chakravarty, Sagar Sahu, Jwala Kant Sahu, Rajkumar Sinha and Lokesh Chandrakar (2009). “Improvement of Soft Subgrade Soil by Rice Husk Ash for Low Volume Roads,” for the partial fulfillment for the requirement of Pt. Ravishankar Shukla University Raipur for the award of degree

- of Bachelor of Technology in Civil Engineering in 2009-2010 at National Institute of Technology Raipur Chhattisgarh.
2. Sandeep Kumar Sahu and Rahul Dev Berma (2010). "Improvement of Soft Sub-Grade Soil by Rice Husk Ash for Low Volume Roads," for the partial fulfilment for the requirement of National Institute of Technology Raipur (C.G.) for the award of degree of Bachelor of Technology in Civil Engineering in 2009-2010.
 3. Lawrence Kumar and Vinay Kumar (2010). "Ground Improvement and Soil Structure Interaction," for the partial fulfilment for the requirement of National Institute of Technology Raipur (C.G.) for the award of degree of Bachelor of Technology in Civil Engineering in 2009-2010.
 4. Manvendra Kumar Singh Mayank Parakh and Tikeshwar Verma (2011). "Soil Stabilisation using Fly-Ash & Design of Block-Type Machine Foundation using Matlab Programming," for the partial fulfilment for the requirement of National Institute of Technology Raipur (C.G.) for the award of degree of Bachelor of Technology in Civil Engineering in 2010-2011.
 5. Kamini Joshi, Paridhee Agrawal and Sarita Mishra (2011). "Stabilization of Soft Soil using Geosynthetics Material Gunny Bag," for the partial fulfilment for the requirement of National Institute of Technology Raipur (C.G.) for the award of degree of Bachelor of Technology in Civil Engineering in 2010-2011.
 6. Omprakash Meena and Saurabh Singh (2012). "Stabilisation of Soft Soil using Rice Husk Ash And Fly Ash for Low Volume Roads" for the partial fulfilment for the requirement of National Institute of Technology Raipur (C.G.) for the award of degree of Bachelor of Technology in Civil Engineering in 2011-2012.
 7. Lavanya Pushp Parganiha and Rohit Bhardwaj (2012). "Granulated Blast Furnace Slag as Stabilizer of Soft Sub Grade Soil for Low Volume Roads" for the partial fulfilment for the requirement of National Institute of Technology Raipur (C.G.) for the award of degree of Bachelor of Technology in Civil Engineering in 2011-2012.
 8. Atul Kumar Singh and Jai Chand Bhagat (2012). "Soil Stabilisation using Fly Ash and Slag for Low Volume Roads" for the partial fulfilment for the requirement of National Institute of Technology Raipur (C.G.) for the award of degree of Bachelor of Technology in Civil Engineering in 2011-2012.
 9. Abhishek Singh (2013). "Effect of thickness on load settlement behaviour of blast furnace slag overlay on soft clay under square Footing." at NIT Raipur.
 10. Dharmendra Prasad & Satish Gupta (2013). "Load settlement behaviour of reinforced granulated blast furnace slag with single layer of geogrid under circular footing: an experimental study." at NIT Raipur.
 11. Sunil Kumar (2013). "Statical analysis of soil properties & numerical modeling of granular fill." at NIT Raipur.
 12. Rahul Ranjan & Rakesh Kumar Pure (2013). "Use of Fly ash to Improve soft subgrade soil for low volume roads." at NIT Raipur.
 13. Ashish Kumar Nayak, Rajendra Bairwa & Poonam Wankhede (2013). "Load settlement behaviour of stabilized soil using fly ash and rice husk ash." at NIT Raipur.

14. Shruti A. & Vivek Kumar (2014). “Load settlement behaviour of granulated blast furnace slag as a granular fill under circular footing.” at NIT Raipur.
15. Manisha Kujur & Karan Gupta (2014). “Load-settlement behaviour of unreinforced and reinforced granulated blast furnace slag overlay on soft caly under square footing.” at NIT Raipur.
16. Nishant Dubey, Peeyush Ramrakhyani & Sudhanshu Ranjan (2015). “Effect on bearing capacity of unreinforced and reinforced granulated blast furnace slag overlay on soft clay slope” at NIT Raipur.
17. Ashish Mittal, Akbar Khan & Vaibhav Kumar (2015). Improvement of soft soil using stone column method” at NIT Raipur.

ACHIVEMENTS AND SCHOLARSHIP:

- Young Investigator Award by Interscience Research Network for Paper entitled “Effectiveness of Granulated Blast Furnace Slag over Sand as Overlay for the Stabilization of Soft Clay” at Bangkok, Thailand, on 28th April 2013.
- Selected in State Engineering Services 2008 conducted by Chhattisgarh Public Service Commission for the post of Assistant Engineer (Civil) and Posted in Rural Engineering Services, Government of Chhattisgarh.
- Selected for the post of Assistant Engineer (Civil)-2008 at Chhattisgarh State Electricity Board and posted at Jagdalpur, Chhattisgarh State Power Transmission Company Limited.
- Appeared in the interview twice on Engineering Services Examination 2007 and 2008 conducted by Union Public Service Commission.
- Awarded Merit Scholarship during M. Tech. (Graduate Study) in IIT Delhi, India from Ministry of Human Resources Development (MHRD), India.
- Qualified and secured position in top 9% of total appeared candidates in Graduate Aptitude Test in Engineering (GATE) Examination conducted at National Level in India.
- Merit Position (24th Rank) in High School Examination at State Level.
- Awarded Ideal & Best Student Award consecutively for Two years at School Level.
- Given Merit Scholarship for outstanding performance during school education from class 8th standard to class 12th standard.

Dr Laxmikant Yadu
Assistant Professor
Civil Engineering Department
NIT Raipur