

CURRICULUM VITAE

Name : DR. ARCHANA BOHRA GUPTA

Designation: Professor, Department of Structural Engineering, M.B.M. Engineering College, MBM University, (Erstwhile, Jai Narain Vyas University), Jodhpur. Joined college in 2003 as Guest Faculty. Selection as Assistant Professor on 26. 10. 2004. Promoted to Associate Professor from 26.10. 2016. Promoted to Professor from 29.10. 2019.

Date of Birth: 19 November, 1977

Academic Qualifications-

B.E. (Civil Engg.)- Jai Narain Vyas (JNV) University, Jodhpur in 2000, 75.35 %, Honours, 2nd rank

M.E. (Structural Engg.)- JNV University in 2002, 82.6%, Honours, 1st Rank

Thesis title- Limit State Design of Axially Loaded Steel and Composite Columns

Ph.D.- JNV University, 2013. Title: Condition Assessment of Reinforced Concrete Elevated Water Storage Tanks: Durability and Seismic Aspects

Research Work-

- Research Papers Published / Presented – 60 **Papers** (Annexure I)
- Wrote **one book** titled “**Engineering Mechanics**”, Co-authored by R.S. Vaishwanar, Jain Brothers, New Delhi. ISBN- 81-8360-098-0. Publishing year-2008.
- Research Guidance- M.E. – 25 (23 students completed, 2 students pursuing)
Ph.D. – 4 (1 completed, 3 students pursuing)
Details in Annexure VII
- Reviewer of 9 books of Tata McGraw Hill, 1 book of University Press (List attached, Annexure-II)
- Reviewer of papers in International Conferences (Annexure VI)
- Reviewer of Virtual Labs, by IIT Roorkee (Annexure VI)
- **Delivered 56 expert lectures** at various training programmes/ short term courses on different aspects of Earthquake Risk Management, Steel Structures, Energy Efficient Buildings, Project Management Techniques at NITTTR Chandigarh, Giani Jail Singh College Bhatinda, College of Engg. and Tech. Udaipur, under Teqip II at Govt. College of Engg. and Tech. Bikaner, National Academy of Indian Railways Vadodara, Teachers

Training Centre, Jodhpur, Rajasthan Housing Board, JIET College Jodhpur, Kendriya Vidyalaya No. 1(Army) Jodhpur, IRICEN Pune, Gati Shakti University, Vadodara, IEI Jodhpur, IEI Ajmer, FDDI Jodhpur, ATAL FDP by Banasthali Vidyapith, courses under NPCBEERM at MBM Engg. College.

- Attended 16 Seminars/Conferences/ Workshops etc. List attached
- 33 Short term courses/training programmes/workshops completed, List attached, Annexure V

Participation in Department/ Faculty - Member of Admission Committee (2009-2010, 2010-2011), Incharge of Indian Concrete Institute Student Chapter (2009-2011), Time Table Incharge in department (2010-2013 and 2018-till today), Incharge of Engineering Mechanics Lab., Member of Anti-Ragging Committee in Faculty, Educational Tour-2015, Final year B.E. Civil Student Project 2017, 2019, Syllabus incharge 2018-till today, ME (Structural Engg.) department coordinator- 2018- till today.

Co-curricular Activities- Anchoring in various events, Judge in various competitions in student fests, Member of organizing team of student fest NOUVEAU-2010, NIRMAN-2015, Student farewell 2014 to 2019, 2023. Organizing ‘Training workshop’ for ‘Soft skill development regarding placements’, Presentation sessions, Staad.Pro workshop in 2022-23

Membership of Professional Bodies, Societies etc.- Life Membership of Indian Buildings Congress (IBC), Indian Concrete Institute (ICI), Institute for Steel Development and Growth (INSDAG), Member of executive committee of Indian Geotechnical Society Jodhpur Local Chapter

Extension work/Community service - Gave lectures on ‘Preventing Female Foeticide’ in NSS camps for students in 2007 and 2010. Attended TOT workshop on ‘Practice of Sex Selection and Gender Discrimination’ in October 2009.

Awards and Accolades

- Won **IBC (Indian Buildings Congress) commendation certificate for best paper** in year 2007 for the paper ”Green Buildings in India-An Overview”, submitted for National Seminar on “Green Buildings”, organized by Indian Buildings Congress, held at Raipur on December 15-16, 2006, presented on 19th May, 2007 in New Delhi.
- Indian Concrete Institute student chapter, M.B.M. Engg. College, Jodhpur won the **Best Student Chapter Award** for the year 2009-2010, during tenure as Teacher Advisor of the student chapter.

- Indian Engineering Service 2007- Rank 43.
- GATE 2004 rank - 97
- M.B.M. Engineering College Golden Jubilee certificate of recognition for securing highest marks in M.E. Structures, I Semester, during the year 2000-2001, presented on 15th August, 2001 in Jodhpur.
- Dr. Alam Singh Merit Medal in year 2000.

ANNEXURE I

LIST OF PAPERS PUBLISHED/PRESENTED

1. "STATE OF THE ART OF PRECAST/PRESTRESSED SANDWICH WALL PANELS", Proceedings of National seminar on "Recent Trends in Civil Engineering", M.B.M. Engineering College, Jodhpur, February 22-23, 2002. Paper presented.
2. "AUTOMATION IN CONCRETE CONSTRUCTION", Proceedings of National Seminar on "Futuristic Construction Materials and Techniques", M.B.M. Engineering College, Jodhpur, February 21-22, 2005, paper presented.
3. "NEURAL NETWORKS IN STRUCTURAL ENGINEERING", Proceedings of National Seminar on "Futuristic Construction Materials and Techniques", M.B.M. Engineering College, Jodhpur, February 21-22, 2005.
4. "FABRIC TENSION STRUCTURES", Proceedings of National Seminar on "Futuristic Construction Materials and Techniques", M.B.M. Engineering College, Jodhpur, February 21-22, 2005.
5. "POROUS ASPHALT PAVEMENTS", Proceedings of National Seminar on "Futuristic Construction Materials and Techniques", M.B.M. Engineering College, Jodhpur, February 21-22, 2005.
6. "RECYCLED GLASS AS CONCRETE AGGREGATES", Proceedings of National Seminar on "Futuristic Construction Materials and Techniques", M.B.M. Engineering College, Jodhpur, February 21-22, 2005.
7. "WHISPER CONCRETE", Proceedings of National Seminar on "Futuristic Construction Materials and Techniques", M.B.M. Engineering College, Jodhpur, February 21-22, 2005.
8. "POLLUTION IN THE DEMOLITION INDUSTRY", Proceedings of National Workshop on "Environment and Pollution Awareness", M.B.M. Engineering College, Jodhpur, March 07, 2005.
9. "NOISE BARRIER- WHISPER WALL", National Workshop on "Environment and Pollution Awareness", M.B.M. Engineering College, Jodhpur, March 07, 2005, paper presented.
10. "RECYCLED CONCRETE AGGREGATES", Proceedings of National Seminar on "Recent Trends in Structural Engineering-2005", Manipal Institute of Technology, Manipal, August 29-30, 2005.
11. "SEISMIC REHABILITATION OF EXISTING BUILDINGS", Proceedings of National Seminar on "Recent Trends in Structural Engineering-2005", Manipal Institute of Technology, Manipal, August 29-30, 2005.
12. "PROJECT COST CONTROL SYSTEM" Journal of Indian Buildings Congress, Volume 13, Number 1, 2006. Seminar on "Cost Management in Building Projects", Jan 6-7, 2006, Ahmedabad, Main author: Manumanish Gupta, paper presented.
13. "WHOLE LIFE COSTING" Journal of Indian Buildings Congress, Volume 13, Number 1, 2006. Seminar on "Cost Management in Building Projects", Jan 6-7, 2006, Ahmedabad, paper presented.
14. "CONSTRUCTION SITE SAFETY", Journal of Indian Buildings Congress, Volume 13, Number 2, 2006. Seminar on "Human Resources Management in Building Industry", June 15-17, 2006, New Delhi, paper presented.
15. "TRENCHLESS TECHNOLOGY", Journal of ING-IABSE, "The Bridge & Structural Engineer", August-September 2006. Seminar on "Tunnels and Underground Structures", New Delhi, 25-26 August, 2006.
16. "SUBMERGED FLOATING TUNNELS", Journal of ING-IABSE, "The Bridge & Structural Engineer", August-September 2006. Seminar on "Tunnels and Underground Structures", New Delhi, 25-26 August, 2006.
17. "PROJECT ALLIANCING", IBC News, ISSN: 0971-5770, Volume 9, Issue 3, July-September, 2006.
18. "GREEN BUILDINGS IN INDIA-AN OVERVIEW", Journal of Indian Buildings Congress, Volume 13, Number 3, 2006. Seminar on "Green Buildings", Dec 15-16, 2006, Raipur. **Won the IBC Commendation Certificate for best paper.**
19. "GREEN BUILDING MATERIALS", IBC News, ISSN: 0971-5770, Volume 10, Issue 1, January-March 2007.
20. "SMART GROWTH", "Journal of Indian Buildings Congress, Volume 14, Number 1, 2007. Seminar on "Integrated Development of Towns as New Growth Centres", May 17-19, 2007, New Delhi. Paper presented.
21. "TRANSIT ORIENTED DEVELOPMENT", IBC News, ISSN: 0971-5770, Volume 11, Issue 3, July-September, 2007.
22. "READY-MIX CONCRETE: THE NEED OF INDIAN CONSTRUCTION INDUSTRY", Journal of Indian Buildings Congress, Volume 14, Number 2, 2007. National Seminar on "Mechanised Construction and Maintenance", December 7-8, 2007, Ranchi.

23. "SUSTAINABLE DEVELOPMENT IN CONTEXT OF HERITAGE CONSERVATION", Proceedings of National Seminar on "Conservation of Heritage Buildings", Institution of Engineers (Jodhpur Chapter), Jodhpur, 30-31 August, 2008.
24. "ENVIRONMENTAL IMPACT ASSESSMENT", Journal of Indian Buildings Congress, Volume 16, Number 1, 2009, National Seminar on "Environment Protection in Building Industry", January 09-10, 2009, Nagpur.
25. "REUSING GREYWATER FOR WATER CONSERVATION", Proceedings of National Workshop on "Water Conservation & Sustainable Development of Society", organized by Dept. of Chemical Engineering, M.B.M. Engineering College, J.N.V. University, Jodhpur and Department of Environment, Govt. of Rajasthan, March 15, 2009, Paper presented.
26. "XERISCAPING- THE WATER WISE LANDSCAPING", Proceedings of National Workshop on "Water Conservation & Sustainable Development of Society", organized by Dept. of Chemical Engineering, M.B.M. Engineering College, J.N.V. University, Jodhpur and Department of Environment, Govt. of Rajasthan, March 15, 2009.
27. "POLYMER CONCRETE", "Journal of Indian Buildings Congress, Volume 16, Number 2, 2009 Seminar on "Innovative Material, Machinery, Techniques & Technologies in Building Construction", July 16-17, 2009, New Delhi.
28. "RECYCLED MATERIALS - KEY TO GREEN SUSTAINABLE CONSTRUCTION", Proceedings of National seminar on "Cleaner Production Technologies", National Institute of Technical Teachers Training and Research, Chandigarh, November 17-18, 2009.
29. "USE OF FERROCEMENT IN LOW COST HOUSING", "Journal of Indian Buildings Congress, Volume 17, Number 1, 2010. National Seminar on "Low Cost Housing", February 15-16, 2010, New Delhi.
30. "RECYCLED MATERIALS- CHOICE OF GREEN BUILDINGS", National seminar on "New Trends in Architecture and Structures", organized by Dept. of Architecture and Town Planning, M.B.M. Engineering College, J.N.V. University, Jodhpur, March 25-26, 2010, Paper Presented.
31. "FIBRE REINFORCED POLYMER (FRP) BRIDGE DECKS", Proceedings of National seminar on "Emerging and Sustainable Techniques in Civil Engineering", organized by Institution of Engineers (India), Udaipur Local Chapter and Dept. of Civil Engineering, College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology, Udaipur, October 18-19, 2010.
32. "RELIABILITY BASED CONDITION ASSESSMENT OF R. C. WATER TANKS - A REVIEW", Proceedings of **International seminar** on "Innovative World of Structural Engineering", Organized by Dept. of Applied Mechanics, Govt. College of Engineering, Aurangabad, Maharashtra, co-author- Dr. A.K. Gupta..
33. "INFRARED THERMOGRAPHY: AN ADVANCED NDT TECHNIQUE FOR CONCRETE STRUCTURES", National Conference on 'Innovative Development in Next Decade- Challenges, Issues & Solutions', organized by Faculty of Engineering & Technology, Jodhpur National University, Jodhpur on 11-12 February, 2011.
34. "CODAL PROVISIONS FOR ELEVATED R.C. WATER TANKS- IS: 3370-A REVIEW", Proceedings of National seminar on "Rehabilitation and Retrofitting for Sustainable Structures", organized by Institution of Engineers, Jodhpur Local Chapter, and M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, Aug 19-20, 2011, main author- Santosh Chowdhary. Paper presented.
35. "SEISMIC DESIGN CONSIDERATIONS FOR ROOF TOP R.C. WATER TANKS IN MULTI STORIED BUILDINGS", Proceedings of National Conference on "Recent Trends in High Rise Buildings", organized by Dept. of Civil Engg., Kautilya Institute of Technology and Engg., Jaipur and Institution of Engineers (India), 04-05 February, 2012, Jaipur, co-author- Dr. A.K. Gupta, paper presented.
36. "EFFECT OF COLUMN ECCENTRICITY ON BASE SHEAR AND BASE MOMENTS OF R.C. ELEVATED WATER STORAGE TANKS", National Seminar on "Earthquake Resistant Design & Construction", organized by Dept. of Structural Engg., M.B.M. Engineering College, JNVU, Jodhpur, 20-21 February, 2012. Paper presented.
37. "MATHEMATICAL MODELS FOR CHLORIDE INGRESS FOR SERVICE LIFE PREDICTION OF REINFORCED CONCRETE WATER STORAGE TANKS", National Seminar on "Recent Trends in Geo-Environmental Engineering", 17-18 March, 2012, organized by Dept. of Civil Engg., M.B.M. Engineering College, JNVU, Jodhpur, co-author- Dr. A.K. Gupta, paper presented.
38. "COMPARISON OF BASE SHEAR OF R.C. ELEVATED WATER STORAGE TANKS DUE TO REVISION IN CODAL PROVISIONS-A CASE STUDY", **International Journal** of 'Advances in Management, Technology and Engineering Sciences', Volume I, Issue 6 (VIII), March 2012.
39. "EFFECT OF SOIL STRUCTURE INTERACTION ON BEHAVIOR OF R.C. ELEVATED WATER

- TANKS", National Workshop on "Recent Trends in Geo Technical Engineering", organized by Indian Geotechnical Society Jodhpur Chapter, Dept. of Civil Engg., M.B.M. Engineering College, JNVU, Jodhpur on 29 July, 2012.
40. "FINITE ELEMENT MODELING OF SOIL IN STUDY OF SOIL STRUCTURE INTERACTION", National Workshop on "Recent Trends in Geo Technical Engineering", organized by Indian Geotechnical Society Jodhpur Chapter, Dept. of Civil Engg., M.B.M. Engineering College, JNVU, Jodhpur on 29 July, 2012.
 41. "SOIL STRUCTURE INTERACTION", **Key-Note Lecture**, National Workshop on "Recent Trends in Geo Technical Engineering", organized by Indian Geotechnical Society Jodhpur Chapter, Dept. of Civil Engg., M.B.M. Engineering College, JNVU, Jodhpur on 29 July, 2012, co-author- Dr. A.K. Gupta. Paper presented.
 42. "CORROSION AND ITS MONITORING IN REINFORCED CONCRETE STRUCTURE", **Key-Note Lecture**, UGC & IGS National Seminar on "Recent Trends in Civil Engineering", organized by Dept. of Civil Engg., M.B.M. Engineering College, JNVU, Jodhpur on 23-24 March, 2013. ISBN: 978-817233-924-1. Key Note lecture delivered.
 43. "STRUCTURAL HEALTH MONITORING OF BRIDGES-A REVIEW", UGC & IGS National Seminar on "Recent Trends in Civil Engineering", organized by Dept. of Civil Engg., M.B.M. Engineering College, JNVU, Jodhpur on 23-24 March, 2013, first author- Prateek Bhati. Paper presented
 44. "SERVICE LIFE DESIGN OF R.C. STRUCTURES USING CAD", pp. 440-444, International Journal of Advance Engineering and Research Development, e-ISSN: 2348-4470, Print ISSN: 2348-6406, Impact factor 4.14, Volume 3, Issue 3, March 2016, pp. 440-444.
 45. "SEISMIC ANALYSIS OF REINFORCED CONCRETE SHAFT SUPPORT WATER STORAGE TANK", International Journal of Engineering Research and Applications, e-ISSN: 2248-9622, Vol. 6, Issue 5, (Part - 3) May 2016, pp.11-16, Impact factor 1.69, first Author- Bharti Tekwani.
 46. "USE OF SILICA FUME FOR SUSTAINABLE AND ENVIRONMENTALLY FRIENDLY R.C. CONSTRUCTION", National Conference on "Recent Advances in Environmental Sciences and Engineering Technologies", organized by Department of Chemistry and Department of Civil Engineering, JIET, Jodhpur on 21-22 November, 2016. Paper presented.
 47. "ENVIRONMENTAL CONCERNS FOR A SMART CITY", National Conference on "Recent Advances in Environmental Sciences and Engineering Technologies", organized by Department of Chemistry and Department of Civil Engineering, JIET, Jodhpur on 21-22 November, 2016. Paper presented.
 48. "SERVICE LIFE ASSESSMENT OF R.C.C. SLABS", International Journal of Advance Engineering and Research Development, e-ISSN: 2348-4470, Print ISSN: 2348-6406, Impact factor 4.14, Volume 4, Issue 10, October 2017, pp. 597-602.
 49. "STUDY OF VERTICAL IRREGULARITIES IN BUILDING FRAMES UNDER SEISMIC LOADING", International Journal of Advanced Research Trends in Engineering and Technology, e ISSN: 2394-3785, Print ISSN: 2394-3777, Volume 4, Issue 11, November 2017, pp. 61-66, Main Author- Ajaya Agarwal.
 50. "STUDY OF BUILDING FRAMES WITH FLOATING COLUMNS UNDER SEISMIC LOADING", International Journal of Advance Engineering and Research Development, e ISSN: 2394-3785, Print ISSN: 2394-3777, Volume 4, Issue 11, November 2017, pp. 749-754, Main Author- Ajaya Agarwal.
 51. "REVISION OF IS: 13920-A REVIEW (PART 1)", International Journal of Advance Engineering and Research Development, e-ISSN: 2348-4470, Print ISSN: 2348-6406, Impact factor 4.14, Volume 4, Issue 10, October 2017, pp. 500-504.
 52. "SERVICE LIFE DESIGN OF REINFORCED CONCRETE STRUCTURES IN JODHPUR CITY OF RAJASTHAN", International Journal of Advance Engineering and Research Development, e-ISSN: 2348-4470, Print ISSN: 2348-6406, Impact factor 4.72, Volume 4, Issue 11, November 2017, pp. 1342-1350, Main Author- Rachana Sharma.
 53. "SEISMIC ANALYSIS AND DESIGN OF REINFORCED CONCRETE ELEVATED WATER STORAGE RESERVOIRS", **Key-Note Lecture**, National Conference on "Recent Technological Advancements in Science, Engineering and Management (RTASEM-2018)", organized by Surendra Group of Institutions, Sri Ganganagar, Rajasthan on 19 January, 2018.
 54. "REVISION OF IS: 13920-A REVIEW (PART 2)", International Journal of Advance Engineering and Research Development, e-ISSN: 2348-4470, Print ISSN: 2348-6406, Impact factor 4.14, Volume 5, Issue 1, January 2018, pp. 882-886.
 55. "STUDY OF STEEL CONCENTRIC BRACED FRAME STRUCTURES UNDER SEISMIC LOADING FOR VARIOUS SEISMIC ZONES", International Journal of Advance Engineering and

Research Development, e-ISSN: 2348-4470, Print ISSN: 2348-6406, Impact factor 5.17, Volume 5, Issue 4, April 2018, pp. 2352-2357, Main Author-Mukul Sain.

56. "PARAMETRIC STUDY OF SINGLE SPAN EXTRADOSED PRESTRESSED BRIDGE", 4th National Conference on 'Recent Advances in Engineering and Technology for Improving the Quality of Life', NC-RAETIQL-2018, organized by Vyas Institutes of Higher Education, Jodhpur, Rajasthan, on May 4-5, 2018, Main author- Virendra Singh, Paper Presented.
57. "SERVICE LIFE ASSESSMENT OF CONCRETE STRUCTURES DETERIORATED DUE TO CARBONATION", 4th National Conference on 'Recent Advances in Engineering and Technology for Improving the Quality of Life', NC-RAETIQL-2018, organized by Vyas Institutes of Higher Education, Jodhpur, Rajasthan, on May 4-5, 2018, Main author- Minakshi Boyal, Paper Presented.
58. "PERVIOUS CONCRETE", 4th National Conference on 'Recent Advances in Engineering and Technology for Improving the Quality of Life', NC-RAETIQL-2018, organized by Vyas Institutes of Higher Education, Jodhpur, Rajasthan, on May 4-5, 2018, Main author- Mohit Nama, Paper Presented.
59. "PARAMETRIC STUDY OF EXPERIMENTAL REFERENCE METHOD FOR SERVICE LIFE ASSESSMENT OF RC STRUCTURES EXPOSED TO CARBONATION", in International e-conference on 'Recent Advancement on Civil Engineering, Construction Techniques and Materials', RACECTAM 2020, organised by Department of Civil Engineering, Jodhpur Institute of Engineering and Technology (JIET), Jodhpur on July 21-22, 2020. Main author- Minakshi Boyal. Paper presented, International Journal of Engineering Research And Management (IJERM) ISSN: 2349- 2058, Special Issue, November 2020, pp. 15-19.
60. "PREDICTION OF COMPRESSIVE STRENGTH OF CONVENTIONAL CONCRETE USING VARIOUS CORRELATIONTECHNIQUES BETWEEN DESTRUCTIVE AND NON DESTRUCTIVE TEST RESULTS ON CONCRETE", 'International Advanced Research Journal in Science, Engineering and Technology', ISSN (Online) 2393-8021, ISSN (Print) 2394-1588, Volume 9, Issue 5, May 2022, Main author- Bharti Tekwani.

ANNEXURE II

REVIEW OF BOOKS

1. "Surveying", Volume I, Third Edition, by S.K. Duggal, published by Tata McGraw-Hill Education Private Limited, New Delhi in 2009.
2. "Surveying", Volume II, Third Edition, by S.K. Duggal, published by Tata McGraw-Hill Education Private Limited, New Delhi in 2009.
3. "Global Positioning System", Principles and Applications, by Satheesh Gopi, published by Tata McGraw-Hill Education Private Limited, New Delhi.
4. "Surveying", Volume I, Fourth Edition, by S.K. Duggal, published by Tata McGraw-Hill Education Private Limited, New Delhi in 2012 .
5. "Surveying", Volume II, Fourth Edition, by S.K. Duggal, published by Tata McGraw-Hill Education Private Limited, New Delhi in 2012.
6. "Design of Steel Structures", M. L. Gambhir, Tata Mc Graw –Hill Education Private Limited, New Delhi in 2012.
7. "Concrete Technology- Theory and Practice" Fifth Edition, M. L. Gambhir, Tata Mc Graw –Hill Education Private Limited, New Delhi in 2012.
8. "Design of Prestressed Concrete", Author undisclosed, University Press, Orient Black Swan Private Limited, New Delhi, in 2013.
9. "Limit State Design of Steel Structures" Second Edition, S. K. Duggal, Tata Mc Graw –Hill Education Private Limited, New Delhi in 2013.
10. "Building Construction and Materials", Tata Mc Graw –Hill Education Private Limited, New Delhi in 2015.

ANNEXURE III

LIST OF ACTIVITIES ORGANISED AS TEACHER ADVISOR OF INDIAN CONCRETE INSTITUTE STUDENT CHAPTER, M.B.M. ENGINEERING COLLEGE, JODHPUR

ACTIVITIES DURING YEAR 2009-2010

1. Lecture on “Concrete Pavements” by Prof. A.K. Tiwari (Assistant Vice President, North, UltraTech cement) on 26 Nov, 2009 at Institution of Engineers building, Jodhpur.
2. Lecture on “Advances in Concrete Technology”, by Prof. A.K. Tiwari (Assistant Vice President, North, UltraTech cement) on 27 Nov, 2009 at Entrepreneurship Development Cell (E.D. Cell), M.B.M. Engg. College, Jodhpur.
3. Technical Visit to Jojawar for demolition of reinforced concrete elevated water tank on 24 Dec. 2009 at Jojawar village near Pali district of Rajasthan.
4. Presentation on Power tools and their uses by Mr. Kinshuk Sharma (Sales Officer, Bosch Ltd.) on 16 Jan, 2010 at Institution of Engineers, Jodhpur.
5. Short term course on “Concrete Mix Design” by Ambuja Cements Ltd. on 17-20 Feb, 2010 at M.B.M Engineering college, Jodhpur.
6. Technical Visit to RMC plant and Balaji Engg. College construction site on 26 Feb at Jaipur.
7. Lecture on “Role of Concrete in Green Buildings” by Prof. A.K. Tiwari (Vice President, North, UltraTech cement) on 5th March, 2010 at Institution of Engineers building, Jodhpur.
8. One Day Course On “Concrete Mix Design” by Ultratech Cements Ltd. on March 6, 2010 at M.B.M Engg. college, Jodhpur.
9. Quiz Competition on “Concrete Technology” organized by ICI Student Chapter on 9 March, 2010 at M.B.M Engineering College, Jodhpur.
10. Essay Competition on “Fibre Reinforced Concrete” organized by ICI Student Chapter on 17th March, 2010 at M.B.M Engineering College, Jodhpur.
11. Workshop on “Major Construction Projects Worldwide” organized by ICI Student Chapter on 19th March, 2010 at M.B.M Engineering College, Jodhpur.

THE STUDENT CHAPTER WON THE BEST STUDENT CHAPTER AWARD FOR YEAR 2009-2010

ACTIVITIES DURING YEAR 2010-2011

1. Lecture on “Earthquake Resistance through Structural Control” by **Dr. Ajay Sharma** on 26 Nov, 2009, organized by ICI Student Chapter at M.B.M Engineering college, Jodhpur.
2. **One Day Course** on “Non-Destructive Testing of R.C.C. Structures” from 14 October, 2010, organized by ICI Student Chapter, at M.B.M. Engineering College, Jodhpur.
3. Lecture On “Controlled Demolition of Structures” by Shri S.B. Sarvate on December 1, 2010, organized by Institution of Engineers and ICI Student Chapter at Institution of Engineers building, Jodhpur.
4. Lecture On “Concrete Mix Design” by Shri S.S. Sankhla on December 9, 2010, organized by ICI Student Chapter at M.B.M Engg. college, Jodhpur.
5. Lecture on “Green Concrete” by Prof. A.K. Tiwari (Vice President, North, UltraTech cement) on 11th March, 2010 at Institution of Engineers building, Jodhpur.
6. **National level technical fest “CONGRAZE”**, organized by ICI Student Chapter on 12 December, 2010 at M.B.M. Engineering College, Jodhpur.
7. Extempore Written Quiz Competition “CONCRESCO”, on concrete, organized by ICI Student Chapter on 24th January, 2011 at Dept. of Structural Engineering, M.B.M Engineering College, Jodhpur.
8. Extempore Speech Competition based on “Latest in Concrete”, organized by ICI Student Chapter on 27th January, 2011 at Dept. of Civil Engineering, M.B.M Engineering College, Jodhpur.
9. Essay Competition on “Ready Mix Concrete” organized by ICI Student Chapter on 17th March, 2010 at M.B.M Engineering College, Jodhpur.

ANNEXURE IV

LECTURES DELIVERED IN SHORT TERM COURSES/ TRAINING PROGRAMMES ETC.

1. Lecture on “Energy Efficient Buildings” on 18 March, 2009, in a three days short term course on “Modern Building Materials and Construction Practices”, organized by National Institute of Technical Teacher’s Training and Research, NITTR Chandigarh, at Jodhpur, from 16-18 March, 2009.
2. Lecture on “Do’s and Don’t’s for Earthquakes” on 18 July, 2009, in a Technical Seminar on “Mitigation of Natural Hazards: Role of Technology”, at Marwar Engineering College and Research Centre, Jodhpur.
3. Lecture on “Introduction to Codal Provisions”, on 28 July, 2009, in a MHRD/AICTE sponsored one week short term programme on “Earthquake Risk Management for Rural and Urban Housing”, organized by National Institute of Technical Teacher’s Training and Research, NITTR Chandigarh, at Chandigarh, from 27-31 July, 2009.
4. Lecture on “Earthquake Resistant Design of Masonry and R.C.C. Buildings”, on 28 July, 2009, in a MHRD/AICTE sponsored one week short term programme on “Earthquake Risk Management for Rural and Urban Housing”, organized by National Institute of Technical Teacher’s Training and Research, NITTR Chandigarh, at Chandigarh, from 27-31 July, 2009.
5. Lecture on “Engineering Seismology”, on February 8, 2010 and March 8, 2010 in two Training programmes of two weeks duration each on “Earthquake Risk Management” under NPCBEERM (National Programme for Capacity Building of Engineers for Earthquake Risk Management), organized by the State Resource Institute, Dept. of Structural Engineering, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, at Jodhpur, from February 8-19, 2010 and March 8-19, 2010.
6. Lecture on “Introduction to IS: 1893”, on February 10, 2010 and March 9, 2010 in two Training programmes of two weeks duration each on “Earthquake Risk Management” under NPCBEERM (National Programme for Capacity Building of Engineers for Earthquake Risk Management), organized by the State Resource Institute, Dept. of Structural Engineering, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, at Jodhpur, from February 8-19, 2010 and March 8-19, 2010.
7. Lecture on “Earthquake Resistant Design of Storage Structures”, on February 13, 2010 and March 10, 2010 in two Training programmes of two weeks duration each on “Earthquake Risk Management” under NPCBEERM (National Programme for Capacity Building of Engineers for Earthquake Risk Management), organized by the State Resource Institute, Dept. of Structural Engineering, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, at Jodhpur, from February 8-19, 2010 and March 8-19, 2010.
8. Lecture on “Introduction to Computer Software”, on February 11, 2010 and March 15, 2010 in two Training programmes of two weeks duration each on “Earthquake Risk Management” under NPCBEERM (National Programme for Capacity Building of Engineers for Earthquake Risk Management), organized by the State Resource Institute, Dept. of Structural Engineering, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, at Jodhpur, from February 8-19, 2010 and March 8-19, 2010.
9. Lecture and Laboratory session on “Computer Aided Designs- STAAD.PRO”, on February 16, 2010 and March 16, 2010 in two Training programmes of two weeks duration each on “Earthquake Risk Management” under NPCBEERM (National Programme for Capacity Building of Engineers for Earthquake Risk Management), organized by the State Resource Institute, Dept. of Structural Engineering, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, at Jodhpur, from February 8-19, 2010 and March 8-19, 2010.
10. Lecture on “Vulnerability Assessment”, on February 18, 2010 and March 17, 2010 in two Training programmes of two weeks duration each on “Earthquake Risk Management” under NPCBEERM (National Programme for Capacity Building of Engineers for Earthquake Risk Management), organized by the State Resource Institute, Dept. of Structural Engineering, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, at Jodhpur, from February 8-19, 2010 and March 8-19, 2010.
11. Lecture on “Codal Provisions for Earthquake Resistant Design”, in a one day course on “Earthquake Risk Management”, organized by Ambuja Knowledge Centre, at Jaipur, on March 27, 2010.

12. Lecture on “Methods of Testing and Field Tests of Building Materials and Road Materials”, on 6 July, 2010, in a two days “Quality Awareness Workshop”, organized by Rajasthan Housing Board, at Jodhpur from 5-6 July, 2010.
13. Lecture on “Latest Construction Material and Emerging Technology”, in a three days course organized by Military Engineering Services at Commander Works Engineer (Air Force) Office, Jodhpur from 27-29 July, 2010.
14. Lecture on “Latest Construction Trends in Construction Management”, in a three days course organized by Military Engineering Services at Commander Works Engineer (Air Force) Office, Jodhpur from 27-29 July, 2010.
15. Lecture on “Construction Practices, Testing of Materials and Quality Construction”, in a three days course organized by Military Engineering Services at Commander Works Engineer (Air Force) Office, Jodhpur from 27-29 July, 2010.
16. Lecture on “Introduction to Non-Destructive Testing”, in a one day course on “Non-Destructive Testing of R.C.C. Structures” organized by Indian Concrete Institute Student Chapter, at M.B.M. Engineering College, Jodhpur, on 14 October, 2010.
17. Lecture on “Introduction to Codal Provisions”, in a one week short term programme on "Earthquake Risk Management for Urban and Rural Housing", organized by National Institute of Technical Teacher's Training and Research, NITTR Chandigarh, from 06-10 December, 2010 at Giani Zail Singh College of Engineering and Technology, Bhatinda.
18. Lecture on “Permeability Related Problems and their Tests”, in a two days programme on Retrofitting Clinic, organized by Dept. of Structural Engineering, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, at Jodhpur, in February, 2011.
19. Lecture on “Design of Beams”, in a one week short term programme on "Latest Design Techniques in the Design of Steel Structures”, organized by National Institute of Technical Teacher's Training and Research, NITTR Chandigarh and Teachers Training Centre (TTC) and Learning Resource Development Centre (LRDC), from 27-31 August, 2012 at TTC Jodhpur on 30 August, 2012.
20. Practical session (Design problem) on “Design of Plate Girder”, in a one week short term programme on "Latest Design Techniques in the Design of Steel Structures”, organized by National Institute of Technical Teacher's Training and Research, NITTR Chandigarh and Teachers Training Centre (TTC) and Learning Resource Development Centre (LRDC), from 27-31 August, 2012 at TTC Jodhpur on 31 August, 2012.
21. Lecture on “Broad View of Steel Structures and their Causes of Failure”, on 25.12.2014 in Short Term Course (STC) on Jen Civil (Module 1) from 22.12.2014 to 27.12.2014, Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur.
22. Lecture on “Steel Structures”, STC on Jen Civil (Module 2) from 23.02.2015 to 28.02.2015, Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur.
23. “Visit at Railway Shed, NWR (Jodhpur)”, on 24.2.2015, STC on Jen Civil (Module 2) from 23.02.2015 to 28.02.2015, Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur.
24. “RCC Detailing Aspects for Beams, Slabs, Columns and Footings”, 2016, STC on “RCC Detailing Course” for MES Jen, Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur.
25. “Plastic Analysis of Steel Structures”, on 6.9.2016, Expert lecture for Faculty members and Students under TEQIP – II, Department of Civil Engineering, Government College of Engineering and Technology (CET), Bikaner.
26. “Stress Analysis of Prestressed Concrete Beams”, on 6.9.2016, Expert lecture for Faculty members and Students under TEQIP – II, Department of Civil Engineering, Government College of Engineering and Technology (CET), Bikaner.
27. “Construction Technology”, on 6.9.2016, Expert lecture for Faculty members and Students under TEQIP – II, Department of Civil Engineering, Government College of Engineering and Technology (CET), Bikaner.

28. "Structure Planning and Design Aspects for Seismic Areas", on 7.9.2016, National Workshop on "Structure Basics", for faculty members and students on 7.9.2016, Department of Civil Engineering, Government College of Engineering and Technology (CET), Bikaner.
29. "Project Management Techniques", on 23.9.2016 in One week Workshop on "Contract Management" for Railway Officers, National Academy of Indian Railways (NAIR), Vadodara from 18.9.2016 to 23.9.2016.
30. "Advances in Steel Structures – I", Expert lecture for Faculty members and Students under TEQIP – II on 2.11.2016, Department of Civil Engineering, Government College of Engineering and Technology (CET), Bikaner.
31. "Advances in Steel Structures – II", Expert lecture for Faculty members and Students under TEQIP – II on 2.11.2016, Department of Civil Engineering, Government College of Engineering and Technology (CET), Bikaner.
32. "Mechanics", on 26.5.2017, In Service Course for PGT Physics in May 2017, Kendriya Vidyalaya No. 1 (Army), Jodhpur.
33. "Practical Aspects of Steel Beam Design" on 11.10.2017, Expert lecture for Faculty members and Students, Jodhpur Institute of Engineering and Technology (JIET), Jodhpur.
34. "Advancements in Steel Design", on 11.10.2017, Expert lecture for Faculty members and Students, Jodhpur Institute of Engineering and Technology (JIET), Jodhpur.
35. "Modelling Research: Heuristics and Simulation", on 24.2.2018, National Workshop on "Research Methodology and Data Analysis (RMDA-2018)", for business analysts, corporate, consultants, researchers and teaching faculty, organized by School of Retail Management, Footwear Design & Development Institute (FDDI), Jodhpur, Ministry of Commerce and Industry, Govt. of India.
36. "Advanced Structural Analysis", on 8.3.2018, Expert lecture for Faculty members and Students, Jodhpur Institute of Engineering and Technology (JIET), Jodhpur.
37. "Steel Bridges and Advancements", on 8.3.2018, Expert lecture for Faculty members and Students, Jodhpur Institute of Engineering and Technology (JIET), Jodhpur.
38. "Advanced Construction Techniques for Bridges", Expert Lecture on 9.8.2018, Short Term Course on "Advance Construction Techniques for Roads, Buildings, Bridges & other Civil Engineering Structures" from 30.7.2018 to 10.8.2018 for the faculty members of polytechnic colleges of Rajasthan, organized by Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur.
39. "Advanced Construction Techniques for Tunnels", Expert Lecture on 9.8.2018, Short Term Course on "Advance Construction Techniques for Roads, Buildings, Bridges & other Civil Engineering Structures" from 30.7.2018 to 10.8.2018 for the faculty members of polytechnic colleges of Rajasthan, organized by Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur.
40. "Advanced Concepts in Structural Analysis", on 12.10.2018, Expert lecture for Students, Jodhpur Institute of Engineering and Technology (JIET), Jodhpur.
41. "Advances in Steel Design", on 12.10.2018, Expert lecture for Students, Jodhpur Institute of Engineering and Technology (JIET), Jodhpur.
42. "Collection, Transportation & Disposal Of Construction Waste", on 22.1.2019, Training Programme (50 days) on 'Waste Management' under Green Skill Development Programme (GSDP), Arid Forest Research Institute, Jodhpur.
43. "Service Life Assessment of Reinforced Concrete Structures", on 25.11.2019, Lecture session for field engineers, faculty members etc. organized as Part II of Ultratech Lecture Series by Ultratech Cement Ltd. and Institution of Engineers, Jodhpur.
44. "Construction & Demolition Waste Management", on 16.3.2020, Training Programme (50 days) on 'Waste Management' under Green Skill Development Programme (GSDP), Arid Forest Research Institute, Jodhpur.
45. "Construction And Demolition Waste Management Rules 2016", on 16.3.2020, Training Programme (50 days) on 'Waste Management' under Green Skill Development Programme (GSDP), Arid Forest Research Institute, Jodhpur.

46. Online lecture on “Service Life Assessment of Reinforced Concrete Structures” on 18.8.2020, in a one week course No. 20463, titled “Building, Planning, Construction, maintenance and Rehabilitation”, for Railway officers, organised by Indian Railway Institute of Civil Engineers, Pune.
47. “Earthquake Resistant Design Philosophy” on August 20, 2020, in webinar organised by Ajmer Engineers Institution, Ajmer.
48. “Applications of GIS in Civil Engineering” on May 21, 2021 in ATAL AICTE sponsored Faculty Development Programme on ‘Geoinformatics and Web Technologies’, 18-22 May 2021, organized by School of Earth Sciences, Banasthali Vidyapith, Rajasthan.
49. “Reinforced Soil Retaining Walls” on March 9, 2022 in ‘Quality Improvement Workshop’ organized by Public Works Department (PWD), Rajasthan for PWD Engineers, at Jodhpur, Rajasthan.
50. “Advanced Management Techniques” on June 13, 2022 in Management Development Programme (MDP 08/2022) for officers of Indian Railways, at National Academy of Indian Railways (NAIR), Vadodara.
51. “Time Management” on July 06, 2022 in Induction Programme for officers of Indian Railways Stores Services, at National Academy of Indian Railways (NAIR), Vadodara.
52. “Time Management” on July 08, 2022 in Management Development Programme for officers of Indian Railways Medical Services, at National Academy of Indian Railways (NAIR), Vadodara.
53. “Time Management” on October 3, 2022 in Gr. B Foundation Programme (AFP 02/22) for officers of Indian Railways, at National Academy of Indian Railways (NAIR), Gati Shakti University, Vadodara.
54. “Advances in Engineering Mechanics” on October 4, 2022 for students and faculty members, at National Rail & Transportation Institute (NRTI), Vadodara.
55. “Time Management” on October 7, 2022 in Gr. A Foundation Programme (BFP 13/22) for officers of Indian Railways, at National Academy of Indian Railways (NAIR), Vadodara.
56. “Application of Failure Theories” on October 7, 2022 for students and faculty members, at National Rail & Transportation Institute (NRTI), Gati Shakti University, Vadodara.

Chairmanship of Technical Session 5, 4th National Conference on ‘Recent Advances in Engineering and Technology for Improving the Quality of Life’, NC-RAETIQL-2018, organized by Vyas Institutes of Higher Education, Jodhpur, Rajasthan, on May 4-5, 2018.

ANNEXURE V

List of Short Term Courses/ Training Programmes/ Workshops Attended:

1. Two Days Educational Utilization Programme on “Standardization, Product Certification & Quality Systems”, Organized by Bureau Of Indian Standards, at Continuing Education Cell, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, February 8-9, 2000.
2. One day National Workshop on “Environment and Pollution Awareness”, M.B.M. Engineering College, Jodhpur, March 07, 2005.
3. Three days Short Term Training Programme on “Non Destructive Testing of R.C.C. Structures”, organized by Dept. of Civil Engineering, National Institute of Technical Teachers Training and Research, Chandigarh and Dept. of Structural engineering, M.B.M. Engineering College, Jodhpur, from March 28-30, 2005.
4. One day National Workshop on “Water Conservation & Sustainable Development of Society”, organized by Dept. of Chemical Engineering, M.B.M. Engineering College, J.N.V. University, Jodhpur and Department of Environment, Govt. of Rajasthan, March 15, 2009.
5. Two days Workshop on “IS 800:2007, Indian Standard General Construction in Steel – Code of Practice (Third Revision), organized by Institute for Steel Development and Growth, Kolkata, at New Delhi, from April 22-23, 2009.
6. Two weeks training programme on “Earthquake Risk Management” under the National Programme for Capacity Building of Engineers in Earthquake Risk Management (NPCBEERM), organized by State Resource Institute, Dept. of Structural Engineering, M.B.M. Engineering College, coordinated by National Institute of Disaster Management and sponsored by Ministry of Home Affairs, Govt. of India and Department of Disaster Management and Relief, Govt. of Rajasthan, from July 6-17, 2009.
7. Two days workshop on “The Practice of Sex- Selection and Gender Discrimination”, organized by Rajasthan University Women’s Association, Jaipur (RUWA), United Nation’s Population Fund (UNFPA) and Centre for Women’s Studies, J.N.V. University, Jodhpur, on October 5-6, 2009.
8. One Week Short Term Programme on “Disaster Management and Earthquake Risk Management for Rural and Urban Housing”, organized by Dept. of Rural Development, National Institute of Technical Teachers Training and Research, Chandigarh and Dept. of Structural engineering, M.B.M. Engineering College, Jodhpur, from December 7-11, 2009 .
9. Four days Workshop on “Concrete Mix Design”, organized by Ambuja Cements Ltd. At M.B.M. Engineering College, Jodhpur from February 17-20, 2010.
10. Two weeks DST short term training Programme (Faculty Development Programme) in the field of entrepreneurship, organized by Entrepreneurship Development Cell, M.B.M. Engineering College, Jai Narain Vyas University, Jodhpur, from June 8-18, 2011.
11. One day National Workshop on “Recent Trends in Geo Technical Engineering”, organized by Indian Geotechnical Society Jodhpur Chapter, Dept. of Civil Engg., M.B.M. Engineering College, JNVU, Jodhpur on 29 July, 2012.
12. One Week Short Term Course on “Technical Teachers: Role, Self Esteem, Motivation and Professionalism Development” through ICT, organized by National Institute of Technical Teachers Training and Research, Chandigarh and Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur, from June 8-12, 2015 .

13. One Week Short Term Course on “Induction Training Programme” through ICT, organized by National Institute of Technical Teachers Training and Research, Chandigarh and Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur, from June 15-19, 2015 .
14. One Week Short Term Course on “AUTOCAD” through ICT, organized by National Institute of Technical Teachers Training and Research, Chandigarh and Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur, from February 22-26, 2016 .
15. Three Days UGC Sponsored short term course on Intellectual Property Rights” from 11.1.16 to 13.1.16 at UGC HRDC, JNVU, Jodhpur.
16. Two days short term course on “Earthquake Behavior of Buildings”, on 23-24 April, 2016 at IIT Jodhpur.
17. One day lecture series on ‘Problem of Rising Ground Water in Jodhpur’ organized by Indian Geotechnical Society, Jodhpur local chapter and IIT Jodhpur on June 1, 2016 at IIT Jodhpur.
18. One Week Short Term Course (AICTE Recognized) on “Project Planning, Execution and Evaluation”, organized by Curriculum Development Centre, National Institute of Technical Teachers Training and Research, Chandigarh and Teachers Training Centre (TTC) & Learning Resource Development Centre (LRDC), Jodhpur, from November 7-11, 2016 .
19. One Week Short Term Course Teqip III sponsored on “Active Learning”, at IIT Bombay, from 4 to 8 June, 2018.
20. Two week Course on “Digital Transformation in Teaching Learning Process”, Teqip Online Certification course offered by IIT Bombay on Swayam, funded by Ministry of HRD, Govt. of India, from March 16 to 30, 2020.
21. Online non credit course (Four week) on “Mastering Bitumen for Better Roads and Innovative Applications”, by Ecole des Ponts, ParisTech, Paris, France), on Coursera, completed on May 14, 2020.
22. Online non credit course (Four weeks) on “Material Science: 10 Things Every Engineer Should Know”, by University of California, Davis (UC Davis), on Coursera, completed on May 25, 2020.
23. Online non credit course (Four weeks) on “Introduction to Basic Vibrations”, by Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea, on Coursera, completed on May 28, 2020.
24. E-learning Print Course on “Fire Engineering for Structural Steel Buildings”, by Hanleywood University, Washington, on AIA Continuing Education Provider, completed on May 29, 2020.
25. Online non credit course (six weeks) on “Fundamentals of Waves and Vibrations”, by Ecole Polytechnique, Paris, France, on Coursera, completed on June 6, 2020.
26. Online non credit course (four weeks) on “AI for Everyone”, by deeplearning.ai, on Coursera, completed on June 15, 2020.
27. Online non credit course (six weeks) on “Ferrous Technology - I”, by Pohang University of Science and Technology (POHANG), South Korea, on Coursera, completed on June 21, 2020.
28. Online non credit course (six weeks) on “Ferrous Technology - II”, by Pohang University of Science and Technology (POHANG), South Korea, on Coursera, completed on July 17, 2020.
29. Online self paced training course on “MATLAB Onramp”, by MathWorks Training Services, completed on August 15, 2020.

30. Online non credit course (four weeks) on “Protecting the World: Introducing Corrosion Science and Engineering”, by University of Manchester, Manchester, England, on Coursera, completed on October 1, 2020.
31. Online e-learning course on “Effective Waterproofing”, by Hanleywood University, Washington, on AIA Continuing Education Provider, completed on September 20, 2021.
32. Online non credit course (eight weeks) on “Disaster Preparedness”, by University of Pittsburgh, Pittsburgh, Pennsylvania, United States, on Coursera, completed on January 26, 2022.
33. NPTEL-AICTE Faculty Development Programme (12 weeks) through MOOC’s mode on ‘Geosynthetics and Reinforced Soil Structures’, run by IIT Madras, funded by MoE, Govt. of India, from January-April 2022.

TECHNICAL SEMINARS/ WEBINARS ATTENDED

1. Technical Seminar on “Durability in Construction”, by UltraTech Cement Limited, at Jodhpur, Rajasthan on February 26, 2019.
2. Technical Seminar on “National Building Code”, by J.K. Lakshmi Cement Ltd., at Jodhpur, Rajasthan on September 27, 2019.
3. Webinar on “Precast Concrete Construction”, organized by UltraTech Cement Ltd. on February 26, 2020.
4. Webinar on “Waterproofing and Soil Stabilization using Modern Injection Systems”, organized by UltraTech Cement Ltd. (UltraTech IndiaNext Webinar), on March 4, 2020.
5. Webinar on “State-of-the-art-Technology: Super Cell in Bi-Directional Pile Test”, organized by Structural Engineering Department, Balaji Vishwakarma Mahavidyalaya Engineering College, Vallabh Vidyanagar, Gujarat on April 29, 2020.
6. Webinar on “Durability of Concrete”, by Wonder Cement on May 16, 2020.
7. Webinar on “Self Compacting Concrete”, by ICI Vijaywada Centre and UltraTech Cement Limited, on May 20, 2020.
8. Webinar on “Different Non-Destructive Techniques for the Evaluation of Concrete Structures”, by Wonder Cement on May 29, 2020.
9. Webinar on “Code Exceeding Buildings”, by IIT Roorkee on May 30, 2020.
10. One day International Webinar on “Artificial Intelligence: Introduction and its Application”, Organized by Department of Computer Science and Electrical Engineering, Government Engineering College, Banswara, Rajasthan with Nazarbayev University, Kazakhstan, under TEQIP III, NPIU, on June 23, 2020.

ANNEXURE VI

WORK AS REVIEWER OF RESEARCH PAPERS AND VIRTUAL LABS

- “Climate Change Scenarios: Risk & Impact Analysis for Alaska Coastline”, for Inderscience International Journal of Risk Assessment and Management, IJRAM, in December 2010.
- Member of the reviewer committee of International e- conference on ‘Recent Advancement on Civil Engineering, Construction Techniques and Materials’, RACECTAM 2020, organised by Department of Civil Engineering, Jodhpur Institute of Engineering and Technology (JIET), Jodhpur on July 21-22, 2020.
- Reviewer for Virtual Lab 'Marine Structure' by IIT Roorkee in April 2021. Work Completed on 11 April 2021.
- Reviewer for Virtual Lab ‘Mechanics of Solid’ by IIT Roorkee in November 2021. Work Completed on 11 November 2021.
- Reviewer of International Conference on ‘Innovative Technologies For Clean And Sustainable Development’, organised by Chitkara University, Himachal Pradesh and NITTTR, Chandigarh on October 14-15, 2021.

ANNEXURE VII

LIST OF M.E. THESIS GUIDED

S.No.	Name of student	Title of Thesis	Date of Submission
1.	Ms. Bharti Tekwani	SEISMIC ANALYSIS OF REINFORCED CONCRETE SHAFT SUPPORTED WATER STORAGE TANK	DOS-11.4.16 DOD-18.6.16
2.	Praveen Mathur	SEISMIC ANALYSIS OF GROUND SUPPORTED STEEL WATER STORAGE TANKS	DOS-12.4.16 DOD-18.6.20
3.	Ms. Rachana Sharma	SERVICE LIFE DESIGN OF REINFORCED CONCRETE STRUCTURES IN JODHPUR CITY	DOS-6.2016 DOD-15.6.16
4.	Ms. Ajaya Agarwal	STUDY OF VERTICAL AND HORIZONTAL IRREGULARITIES IN BUILDING FRAMES UNDER SEISMIC LOADING	DOS-28.11.16 DOD-7.12.16
5.	Ravi Dhoot	EFFECT OF LINK LENGTH AND SECTION ON BEHAVIOUR OF STEEL ECCENTRICALLY BRACED FRAMES	DOS-10.12.16 DOD-15.12.16
6	Narayan Lal	COMPARATIVE ANALYSIS OF STEEL DIAGRID AND CONVENTIONAL FRAMED STRUCTURES	DOS-23.12.16 DOD-31.12.16
7	Mukul Sain	STUDY OF STEEL CONCENTRIC BRACED FRAME STRUCTURES UNDER SEISMIC LOADING FOR VARIOUS SEISMIC ZONES	DOS-17.5.18 DOD-31.5.18
8	Ms. Minakshi Boyal	SERVICE LIFE ASSESSMENT OF RC STRUCTURES DETERIORATED BY CARONATION USING DURACRETE APPROACH AND EXPERIMENTAL REFERENCE APPROACH	DOS-17.5.18 DOD-31.5.18
9	Ms. Ritika Bohra	COMPARISONS OF DIFFERENT BRACING SYSTEMS FOR SELF-SUPPORTED STEEL TELECOMMUNICATION TOWERS	DOS-6.3.19 DOD-9.3.19
10	Syed Mudasar Nazer	COMPARISON OF EFFECT OF WIND LOAD USING STATIC METHOD BY IS 875 (PART 3): 1987 AND IS 875 (PART 3):2015 ON ELEVATED WATER STORAGE TANK	DOS-25.2.20 DOD-11.8.20
11	Khet Singh	EFFECT OF MOLARITY ON COMPRESSIVE STRENGTH OF FLY ASH BASED GEOPOLYMER CONCRETE OF GRADES M20, M25, M30	DOS-11.8.20 DOD-19.8.20
12	Sahil Baig	EFFECT OF PARTIAL REPLACEMENT OF FINE AGGREGATES WITH RECYCLED GLASS ON COMPRESSIVE STRENGTH OF CEMENT CONCRETE	DOS-11.8.20 DOD-19.8.20
13	Ravi Vyas	EFFECT OF PARTIAL REPLACEMENT OF CEMENT WITH METAKAOLIN ON COMPRESSIVE STRENGTH OF CEMENT CONCRETE	DOS-11.8.20 DOD-19.8.20
14	Himanshu Digrawal	EFFECT OF WIND LOADING ON SELF-SUPPORTING MOBILE LATTICE TOWERS DUE TO VARIATION IN PANEL HEIGHT	DOS-11.12.20 DOD-18.12.20
15	Nupur Singhal	SERVICE LIFE ESTIMATION OF REINFORCED CONCRETE STRUCTURES WITH PARTIAL REPLACEMENT OF CEMENT BY SILICA FUME – A PARAMETRIC STUDY FOR JODHPUR REGION OF WESTERN RAJASTHAN	DOS 21.12.20 DOD 29.12.20
16	Satish Jangid	GGBS AND FLY ASH BASED GEOPOLYMER CONCRETE	DOS 9.4.2022 DOD 27.4.22
17	Kuldeep Joshi	BEHAVIOR OF UN-BRACED STEEL PITCHED FRAME UNDER FIRE	DOS 6.9.2022 DOD 22.9.22
18	Mayur Parihar	CONDITION ASSESSMENT OF REINFORCED CONCRETE STRUCTURES DAMAGED UNDER FIRE	DOS 9.9.2022 DOD 22.9.22

19	Akshay Raj Gurjarguar	EFFECT OF VARIATION IN DOSAGE OF ANTI WASHOUT ADMIXTURE ON PROPERTIES OF UNDERWATER CONCRETE MIX	DOS 29.11.22 DOD 14.2.23
20	Ayush Sharma	POST FIRE EVALUATION OF CONCRETE ENCASED STEEL STRUCTURE	DOS 5.1.23 DOD 14.2.23
21	Rishabh Sharma	STUDY OF EFFECT OF ULTRAFINE SLAG-ALCCOFINE ON COMPRESSIVE STRENGTH FOR CONCRETE GRADES M40, M50, M60	DOS 9.2.23 DOD 15.4.23
22	Prachi Singhal	APPLICATION OF WASTE COOKING OIL IN IMPROVING THE PROPERTIES OF AGED BITUMEN	DOS 15.2.23 DOD 12.4.23
23	Rajat Vyas	PERVIOUS CONCRETE WITH SILICA FUME AS SCM	DOS 13.3.23 DOD 15.4.23

Ph.D. Guided

S.No.	Name of student	Title of Thesis	Date of Submission
1.	Amit Purohit	SEMI ACTIVE CONTROL FOR SEISMIC RESPONSE REDUCTION OF STRUCTURES	DOS-27.9.19 DOD-16.3.21

DOS- Date of submission

DOD- Date of defense