

BIO-DATA

Name Dr. Rajesh Kumar Tripathi,
Present Post Professor (HAG), Civil Engineering
Father's Name Late Shri Tulsiram Tripathi
Nationality Indian
Date of Birth Eight September Ninety Sixty Four (08-09-1964)
Present address Civil Engg. Department, National Institute of Technology Raipur,
G. E. Road Raipur (C.G.)-492010 [Mobile No.-09425508900]



1. Educational Qualification:

- **H.S.S.C. Examination 1981** from M. P. Board of Secondary Education Bhopal (S.B.B.P.N.V.B. Barman, Distt.-Narsinghpur, M.P.) in **First Division (72.75 %)**.
- **B. E. Civil Engineering 1986** from Govt. Engg. College Jabalpur (M.P.) (Rani Durgavati Vishwavidhyalaya Jabalpur) in First Division With Distinction (**VI-Position in merit**) **83.13%**.
- **M. Tech. Structural Engg.** 1993 from **I. I. T. Delhi** in First Division **8.38 C.G.P.A.**
- **Ph. D. in Civil Engineering (Specialization in Structural Engineering) 2002** from **S. G. S. I. T. S. Indore (Devi Ahilya Vishwa Vidhyalaya Indore)**. Received one best paper award at IIT Roorkee.
- Certificate Course in German Language 1992 from **I. I. T. Delhi**.
- One-Sem. Program on Earthquake Engineering 2004, from Indian Institute of Science Bangalore in First Division GPA 6.63 on 8 point Grade.

2. Work Experience (More than 38 years)

- **Professor (HAG)** in Civil Engg in National Institute of Technology Raipur 14-11-2024 to continue.
- **Professor** in Civil Engg in National Institute of Technology Raipur 10-03-2013 to continue.
- **Associate Professor** in Civil Engg in National Institute of Technology Raipur 01-01-2006 to 09-03-2013
- **Deputy Secretary**, Government of Chhattisgarh from 9-05-05 to 31-01-07.
- **Reader** in Civil Engg, Govt. Engineering College Jabalpur from 18-07-2000 to 31-12-2005.
- **Senior Lecturer** in Civil Engg, Govt. Engg College Jabalpur/ Raipur from 18-07-1995 to 17-07-2000.
- **Lecturer** in Civil Engineering, Govt. Engineering College Jabalpur from 18-07-1989 to 17-07-1995.
- **Junior Engineer** Civil in Depart of Telecom. Govt. of India 26-10-1987 to 17-07-1989.
- **Site Engineer** in M/S Bhogilal & Company Parasia Chhindwara (M.P.) from 18-08-1986 to 18-10-1987.

3. Awards / Honours / Recognition / Scholarship

- 1) Honored by **Institute of Engineers** for outstanding contribution and distinguished services in the field of Engineering on 17th Sep 2022 by Institution of Engineers (India).
- 2) Honoured by **Institution of Engineers (India)**, Chhattisgarh State Centre for valuable contribution in the field of Technical Education on **Teachers Day** i.e. **5th September 2010. (IEI/CSC/10/131 Dated 21-08-2010)**.
- 3) "**Best Citizens of India Award**" by Best Citizen Publishing House, 22 Babar Road, Near Bengali Market, New Delhi-110001.
- 4) "**Shiksha Rattan Puraskar**" by India International Friendship Society, C-23/2, I FLOOR, Goel Business Chamber, Connaught Place New Delhi-110001 (India). This award was presented in the Conference on "**Role of Education in Modern India**" at New Delhi on 7th April 2010.
- 5) **NPEEE scholarship** for One-Sem. Program on Earthquake Engineering at **Indian Institute of Science Bangalore** N.P.E.E.E Sponsored by M.H.R.D. New-Delhi in 2004. (CCE/NPEEE/2004-05-101 12th August 2004).
- 6) **INDIAN TECHNICAL ADVISOR**, for CANADA INDIA INDUSTRY INSTITUE LINKAGE PROGRAMME. (File No 5017 Pune November 17, 2003 & File No 3151 Pune May 21, 2004)
- 7) "**Best paper by Young Engineer award**" (International Award) in Structural Engineering Convention-2001 (An International Meet), held at Indian Institute of Technology Roorkee 2001.
- 8) "**Srimati Saroma Sanyal Memorial Prize for 1994-95**" (National Award for Best Paper of the year) by Institution of Engineers (India) at 11th Indian Engineering Congress at Jaipur on 23-12-1995.
- 9) MHRD New Delhi Q.I.P. Scholarship for pursuing Ph. D. degree from S.G.S.I.T.S. Indore (August 1998 to July 2001 for three year).
- 10) MHRD New Delhi Q.I.P. Scholarship for pursuing M. Tech. Degree from I.I.T. New Delhi (July 1991 to December 1992 for one and half year).

- 11) National Merit Scholarship for pursuing B.E. Degree from G.E.C. Jabalpur (1981 to 1986 for five year).
- 12) **Holcim Awards** for Sustainable Construction: Certificate of Participation 2011 "Improving Soft Subgrade soil by Rice Husk Ash for Low Volume.

4. Books Published

1. Study of Earthquake Engineering and Seismic Hazard Analysis for Kodar and Sondur Dam sites in Chhattisgarh (Co-authors Dr M K Verma and Er Pramod Khare). ISBN: 978-93-80397-25-2, Published by M/s Pragun Publication 4224/1, Ansari Road, Daryaganj, NewDelhi-110002 in year 2011.
2. Deterministic Seismic Hazard Analysis of Tandula and Balar Dams (Co-authors Dr M K Verma and Er C R Sahu). ISBN: 978-93-80397-26-9, Published by M/s Pragun Publication 4224/1, Ansari Road, Daryaganj, NewDelhi-110002 in year 2011.
3. Assessment of Seismic Hazard for Ravishankar and Sikaser Dam in Chhattisgarh State (Co-authors Dr M K Verma and Er T R Sahu). ISBN: 978-93-80397-27-6, Published by M/s Pragun Publication 4224/1, Ansari Road, Daryaganj, NewDelhi-110002 in year 2011.
4. Evaluation of Peak Ground Acceleration at Hasdeo-Bango and Dudhawa Dam Sites (Co-authors Dr M K Verma and Er Shashank Tiwari). ISBN: 978-93-80397-25-2, Published by M/s Pragun Publication 4224/1, Ansari Road, Daryaganj, NewDelhi-110002 in year 2011.
5. Strength of Materials: Published by M/S G. K. Publishers Jabalpur April 1994.
6. Mechanical Science (Co-author Prof. U. S. Vijaywargiya), Published by M/S G. K. Publishers. Jabalpur April 1994.

5. Book Chapters Published

1. Seismic Assessment of Vertically Irregular RC Frame Buildings Designed using Direct-Displacement Based De-sign Approach (Co Authors Dr Govardhan Bhat and Anurag Sharma). Published in Advances in Science, Technology & Innovation, pages 411-414, Springer, Cham Publications in the year 2024.
2. Influence of DDBD Approach in Seismic Assessment of Vertically Irregular RC Buildings (Co Authors Dr Govardhan Bhat and Anurag Sharma). Published in Lecture Notes in Civil Engineering, volume 284, Springer, Cham Publications in the year 2022.
3. Application of DDBD Method on Mid-Rise Open-Ground Storey RC Frame Buildings (Co Authors Dr Govardhan Bhat and Anurag Sharma). Published in Recent Advances in Structural Engineering and Construction Management, pp 247–257, Springer Nature Singapore Publications in the year 2021.
4. Performance Evaluation of Masonry Infill Walls in Reinforced Concrete Frames Under Cyclic Loading Using Applied Element Method (Co Authors K Hemanth Kumar). Published in Lecture Notes in Civil Engineering, volume 171, Springer, Cham Publications in the year 2021.
5. Behaviour of Different Lateral Stability Structural Systems for the Tall Steel Structures Under Wind Loads (Co Author Abhimanyu Pandey). Published in Lecture Notes in Civil Engineering, volume 77, Springer, Cham Publications in the year 2021.

6. Proceeding Edited

1. "Issues pertaining to the Development of New State and the Capital of Chhattisgarh" for National Conference held at Raipur on 26-27 April 2003.
2. "Emerging Trends in Civil Engineering for Infrastructure Development" for National Conference at National Institute of Technology Raipur on 15-16 February 2008.

7. M. Tech Dissertation

Grillage Analogy applied to Box-Girder Bridges.

8. Ph. D. Thesis

Non-linear finite element analysis of plate bending using higher order shear deformation theory.

9. Technical Paper

9.1 Technical Paper published in International Journals

1. Verma M K, Shrivastava R K, Tripathi R K (2009) "Evaluation of Min-Max, Weighted and Preemptive Goal Programming Models with reference to Mahanadi Reservoir Project. **Journal of Water Resources Management, Springer Netherland**, Vol (24) pp 299-319.
2. Tripathi R K, Verma M K, Tripathi N. (2009) "Seismic Hazard Analysis For Major Dams Of Chhattisgarh"; **International Journal of Earth Sciences & Engineering** (ISSN 0974-5904) Vol. 02, No. 04, August 2009, pp 287-298.
3. Tripathi R K (2010) "Estimation of Collapse Load in Plates using Higher Order Shear Deformation Theory" **International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences**, (ISSN:0974-3588) Volume 3 Issue 1 Jan-July 2010, pp 649-656.

4. Yadu L K, Tripathi R K and Singh D (2011) " Comparison of Fly Ash and Rice Husk Ash Stabilized Black Cotton Soil" **International Journal of Earth Sciences & Engineering** (ISSN 0974-5904) Vol. 04, No. 06, October 2011, pp 42-45.
5. Tripathi R K and Verma M K (2012) "Social Sustainable Rural Housing in India:An Urgent Need" **The International Journal of Environmental, Cultural, Economic and Social Sustainability**.
6. Shori A, Tripathi R K and Verma M K (2012) " Safety check of Sondur Dam for changed Seismic Condition" *International Journal of Engineering Research and Technology* (ISSN 2278-0181) Vol. 01, Issue. 05, July 2012.
7. Verma G, Verma M K and Tripathi R K (2012) " Safety Check of Existing Dam against altered Seismic Hazard Conditions" *International Journal of Civil and Structural Engineering* (ISSN 0976-4399) Vol. 03, No. 01, August 2012, pp 239-248.
8. Verma G, Verma M K and Tripathi R K (2012) " Dynamic Analysis of Hirakud Dam due to Seismic Forces" *International Journal of Scientific and Research Publications* (ISSN 2250-3153) Vol. 02, Issue. 09, September 2012, pp 331-340.
9. Shori A, Tripathi R K and Verma M K (2012) " Safety Analysis of Rupsiabagar Dam under Seismic Conditions using CADAM" *International Journal of Scientific and Research Publications* (ISSN 2250-3153) Vol. 02, Issue. 09, September 2012, pp 437-447.
10. Madhuri R, Verma M K and Tripathi R K (2013) "Impact of Urbanisation on Water Resources in Raipur City using GIS and Remote Sensing". *International Journal of Earth Sciences and Engineering* (ISSN 0974-5904) Vol. 06 Issue 1 February 2013 or Issue 2 April 2013.
11. Yadu L K. and Tripathi R K (2013) "Effects of Granulated Blast Furnace Slag in the Engineering Behaviour of Stabilized Soft Soil ", in *Journal of Elsevier Procedia Engineering* 51 (2013) 125-131, ISSN: 1877-7058.
12. Yadu L K. and Tripathi R K (2013) "Stabilization of Soft Soil with Granulated Blast Furnace Slag and Fly Ash". *International Journal of Research in Engineering & Technology* (ISSN 2319-1163) Vol. 02 Issue 2 pp 115 – 119.
13. 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", *Journal of Procedia - Social and Behavioral Sciences, Elsevier*, (ISSN: 1877-0428). Volume 104, pp 225-234 (2013).
14. 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" in *Geo-Congress 2014: Geo-characterization and modeling for sustainability, Geotechnical Special Publication No. 234, ASCE pp 3605-3614*.
15. 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 " in *Geo-Congress 2014: Geo-characterization and modeling for sustainability, Geotechnical Special Publication No. 234, ASCE pp 2503-2512*.
16. Thomas A, Tripathi R K and Yadu L K, (2016) "Variation in Shear Modulus of Enzyme Treated Soil " in *Geochina 2016: Geotechnical Special Publication, American Society of Civil Engineers,pp 88-95, ISSN: 0895-0563*.
17. Williams M P and Tripathi R K, (2016)"Comparative Study of Linear and Nonlinear Behaviour of RCC Irregular and Regular Buildings", in *International Journal of Advances in Natural and Applied Sciences*. (ISSN: 1995-0772) Published BY AENSI Publication EISSN: 1998-1090 <http://www.aensiweb.com/ANAS> 2016 March 10(3): pages 32-37.
18. Williams M P and Tripathi R K, (2016) "Study of Effect of Eccentricity on the Linear and Nonlinear Behaviour of RCC Irregular Buildings" *International Journal of Engineering and Research* (ISSN:2319-6890) (online),2347-5013(print) Volume No.5, Issue No.4, pp : 275-278 1 April 2016.
19. Thomas A, Tripathi R K and Yadu L K, (2016) "Effect of Enzymes on the Unconfined Compressive Strength of Soil", *International Journal of Applied Engineering Research*, .ISSN 0973-4562, Volume 11, Number 10 (2016) pp 6940-6942.
20. Thomas A, Tripathi R K, Yadu L K and Roy S, (2016) "Soil Stabilisation using Terrasil", *International Journal of Earth Sciences and Engineering- ISSN : 0974-5904, Volume 09, No 03, June 2016, pp1049*.
21. Gupta S, Tripathi R K and Mishra R K, (2016) "Statistical model for prediction of 28 days compressive strength by 3 days compressive strength using response surface method" *Journal of Chemical and Pharmaceutical Science*, ISSN: 0974-211 Special issue 2 August 2016 pp 82-66.
22. Mishra R K, Tripathi R K and Dubey V. (2016) " Early age Shrinkage pattern of Concrete on replacement of fine aggregate with Industrial by product" in the *Journal of Radiation Research and Applied Sciences*, 9 (2016) pp 386-391.

23. Williams M P and Tripathi R K,(2016), "Effect of Sheare wall Location on the Linear and Non-Linear Behavior of Eccentrically Loaded Buildings", in the Indian Journal of Science and Technology, vol 9(22), ISSN: 0974-6846.
24. Gupta S, Tripathi R K and Mishra R K, (2017) "Study of concrete having industrial waste as fine aggregate replacement and generation of model for prediction of compressive strength using response surface method". **Materials Today**: Proceedings Elseviers 4(9) pp 9727-9731 (2017) (Scopus Indexed).
25. Manoharan A C and Tripathi R K (2017) "Analysis of Steel Beams with Circular Openings" in International Journal of Civil Engineering and Technology (IJCIET), ISSN print 0976-6308. Volume 8, Issue 3 March 2017, pp 411-422.
26. Mishra S R K and Tripathi R K (2017) "Early age strength and electrical resistivity of concrete as durability indicator through maturity" International Journal of Earth Sciences and Engineering- ISSN : 0974-5904, Volume XX, No XX, February 2017, pp 214-223.
27. Manoharan A C and Tripathi R K (2017) "Analysis of Steel Beams with Single Openings at Different Locations" in International Journal of Civil Engineering and Technology (IJCIET), ISSN print 0976-6308. Volume 8, Issue 5 MaY 2017, pp 539-551.
28. Shukla A, Tripathi R, Ramtekkar G D, (2017) "A Survey on Cost and Time management in Highway Construction Projects", International Journal of Scientific Development and Research (ISSN:2455-2631). **Volume No.5, Issue No.4, pp : 275-278 1 April 2016.**
29. Shukla A, Tripathi R, Ramtekkar G D, (2017) "Risk identification based on Historic Data Analysis and Questionnaire Related to Highway construction Projects", International Journal of Scientific Development and Research (ISSN:2455-2631). **Volume No.5, Issue No.4, pp : 275-278 1 April 2016.**
30. Mishra S R M and Tripathi R K, "Prediction of Compressive Strength of Concrete using Electrical Resistivity measurements on cement and fine aggregate replacement " Indian Concrete Journal, 91(11), pp 38-44 (Scopus).
31. Thomas A, Tripathi R K and Yadu L K (2018) " A Laboratory Investigation of Soil Stabilisation using Enzyme and Alkali Activated Ground Granulated Blast Furnace Slag" in Arabian Journal of Science and Engineering. 2191-4281, Springer, 1-10.
32. Mehar A, Verma M K and Tripathi R K (2018) "Comparison of Different Vegetation Indices and their Applicability for Vegetation Cover Assessment: A Case Study of Tandula River Basin" International Journal of Emerging Technology and Advanced Engineering. Website: www.ijetae.com (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 8, Issue 8, August 2018)
33. Mehar A, Verma M K and Tripathi R K (2018) "Hypsometric Analysis of Sheonath River Basin, Chhatisgarh, India: A Remote Sensing and GIS Approach, International Journal of Engineering Research and Technology, (IJERT) ISSN:2278-0181 Volume 7, Issue 10, October-2018
34. Ansu Thomas, R. K. Tripathi, L. K .Yadu (2019), "Application of Taguchi Method for Optimization of Various Factors in Improving the Shear Modulus of Enzyme Treated Soil", National Academy Science Letters (SCLE) Springer . Accepted (SCI-E) on 5th August 2019. ISSN 2250-1754. (DOI: 10.1007/s40009-019-00833-x)
35. Ansu Thomas, R. K. Tripathi, L. K .Yadu (2019), "Alkali-activated GGBS and Enzyme on the swelling properties of sulfate bearing soil", Geomechanics and Engineering- An International Journal, Technopress. Vol. 19, No. 1 (2019) pp 21-28 (SCI-E) Accepted on 25th August 2019. ISSN 2005-307X Impact factor 2.594. (DOI: <https://doi.org/10.12989/gae.2019.19.1.021>).
36. Rajesh K Tripathi., Sunny D Guzzarlapudi (2020). "Assessment on Harmony of Pavement Condition Index Using ASTM, IRC and Regression Techniques", International Journal of Structural and Civil Engineering Research, 9(2): 187-197, CA, DoI: 10.18178/ijscer.9.2.187-194.
37. Sharma A, Tripathi R.K and Bhat G., "Comparative performance evaluation of RC frame structures using direct displacement-based design method and force-based design method", Asian Journal of Civil Engineering, Springer, 21:381–394 (2020). DOI <https://doi.org/10.1007/s42107-019-00198-y> (Scopus)
38. Sharma A, Tripathi R.K and Bhat G., "Seismic assessment of RC building frames using direct-displacement-based and force-based approaches", Innovative Infrastructure Solutions, Springer, 5, 115 (2020). DOI-<https://doi.org/10.1007/s41062-020-00364-1>. (Scopus, E-SCI).
39. A Sharma, R.K. Tripathi, G. Bhat, Applicability of DDBD approach on low-rise RC buildings situated in Indian seismic regions, Archit. Struct. Constr. 1 (2021) 193–205. <https://doi.org/10.1007/s44150-021-00005-w>.
40. A Sharma, R.K. Tripathi, G. Bhat, Direct-displacement and force-based seismic assessment of RC frame structures, J. Build. Pathol. Rehabil. 7 (2022). <https://doi.org/10.1007/s41024-021-00160-z>.
41. H.K. Karaka, R.K. Tripathi, Assessing potential damage and energy dissipation in low-rise high-strength concrete frames with strong infill walls using applied element method, Innov. Infrastruct. Solut. 8 (2023) 1–25. <https://doi.org/10.1007/s41062-023-01283-7>.
42. Kumar, K.H., Tripathi, R.K. Damage assessment of infilled frame structures using applied element method. *Bull Earthquake Eng* **22**, 1387–1423 (2024). <https://doi.org/10.1007/s10518-023-01824-6>

43. P.K. Thippa, R.K. Tripathi, G. Bhat, Response of multiple-earthquake excitations on RC-framed buildings, *Asian J. Civ. Eng.* 24 (2023) 2265–2282. <https://doi.org/10.1007/s42107-023-00639-9>.
44. H.K. Karaka, R.K. Tripathi, Numerical modeling of weak infills with a central opening in high-strength concrete frames under pseudo-static loading using applied element method, *Asian J. Civ. Eng.* 25 (2024) 1225–1239. <https://doi.org/10.1007/s42107-023-00838-4>.
45. Thippa, P.K., Tripathi, R.K. & Bhat, G. Seismic assessment of structures with mass and stiffness irregularities under multiple earthquakes. *J Build Rehabil* 9, 46 (2024). <https://doi.org/10.1007/s41024-024-00398-3>.
46. V.R. Harne, R.K. Tripathi, S.D. Guzzarlapudi, Comparative Study on Selection of Suitable Pavement Performance Analysis Technique by Using FWD Measurement, 29 (2024) 1–15. <https://doi.org/10.1061/PPSCFX.SCENG-1394>.
47. V.R. Harne, R.K. Tripathi, S.D. Guzzarlapudi, Effect of extrinsic and intrinsic parameters on fatigue performance of hot mix asphalt mixtures: a review, *J. Build. Pathol. Rehabil.* 9 (2024). <https://doi.org/10.1007/s41024-024-00406-6>.
48. V.R. Harne, R.K. Tripathi, S.D. Guzzarlapudi, Evaluating the influence of volumetric properties on back-calculated asphalt layer moduli using falling weight deflectometer data, *International Journal of Transportation Science and Technology* (2024). <https://doi.org/10.1016/j.ijst.2024.05.009>.
49. Pavan Kumar Thippa, R. K. Tripathi & Govardhan Bhat (09 Aug 2024):Development of Fragility Curves and Assessment of Mass Irregular Structures with Fixed Base and Base Isolated Under Multiple Earthquakes, *Journal of Earthquake Engineering*, DOI:10.1080/13632469.2024.2387042

9.2. Technical Paper published in National Journals

1. Nema A K, Jain R K and Tripathi R K (1995). "Application of Dynamic Programming to the Optimum Design of Municipal waste water" in **Journal of Institution of Engineers (India)**, Vol.-75, August 1995, pp 41-48.
2. Tripathi R K, Vidyarthi A K and Jain R K (1996) "Development of Generalised cost function and Economic Selection Criteria for Domestic Waste Water Treatment System" in **Journal of Institution of Engineers (India)**, Vol.-77, August 1996, pp 41-48.
3. Tripathi R K, Babu P and Jain R K (1994). "Environmental Management in a Basic Drug Industry" in **Journal of Institution of Public Health Engineers (India)**, Vol.-1994, No.4, pp 33-42.
4. Tripathi R and Rode V (2000-2001). "Elasto-Plastic Analysis of Plate Bending using Higher Order Shear Deformation Theory" in **Journal of Institution of Engineers (India)**, (ISSN:0373-1995, Scopus Indexed) Vol.-83, November 2002, pp 191-200.
5. Tripathi R K, Tiwari S and Verma M K (2008). "Deterministic Seismic Hazard Analysis for Hasdeo-bango Dam site in Chhattisgarh state" in **CSVТУ Research Journal**, Vol 1, No 1 January 2008, pp 21-27.
6. Verma M K, Tripathi R K and Gupta D P (2008). "Conceptualization of Sustainable Water Resources Infrastructure and its Development for Chhattisgarh State" in **CSVТУ Research Journal**, Vol 1, No 1 January 2008, pp 16-20.
7. Sahu C R, Tripathi R K, Verma M K and Parasar A (2008). "Assessment of Seismic Hazard at Tandula Dam and Balar Dam using DSHA" in **Journal of Structural Engineering** (ISSN 0970-0137, Scopus Indexed), Vol. 35, No 2 (June-July 2008), pp 128-136.
8. Verma M K and Tripathi R K (2008). "Rainfall-Net Inflow Modelling for Dudhawa Reservoir" in **CSVТУ Research Journal**, Vol 1, No 2 January 2008, pp 34-39.
9. Tripathi R K, Rode V and Verma M K (2009). "Plastic Zone Propagation In Thick Plates Using Higher-Order Shear Deformation Theory" **CSVТУ Research Journal** (ISSN 0974-8725) Vol-2, No.-2, pp 30-36 .
10. Ahmad I, Nayak S, Verma M K and Tripathi R K (2009). "Application of Fuzzy Logic Rainfall Runoff Modelling for Ravishankar Reservoir" **CSVТУ Research Journal**. Vol 2 No. 1, January 2009, pp 12-16.
11. Ahmad I, Nayak S, Verma M K and Tripathi R K (2009) "Fuzzy Logic Approach in Developing Rainfall-Runoff Model for Dudhawa Reservoir", **Journal of Indian Water Works Association (IWWA)** (ISSN 0970-275X), Mumbai, Vol. XXXXI. No.1, January-March 2009, pp 75-80.
12. Tripathi R K, Rode V and Verma M K (2009)" Finite Element Elasto-Plastic Analysis of Plate Bending using Layered Higher Order Shear Deformation. **ICFAI University Journal of Structural Engineering** (ISSN 0974-6528). Vol. II, No. 04, October 2009, pp 7-23.
13. Tripathi R K, and Verma M K (2010). "Seismic Hazard Analysis for Capital City of Chhattisgarh State" **CSVТУ Research Journal** (ISSN 0974-8725) Vol-3, No.-1, pp 23-28.
14. Yadu L K, Tripathi R K and Singh D (2011). "Laboratory Performance Evaluation of Stabilized Black Cotton Soil with Rice Husk Ash" **CSVТУ Research Journal** (ISSN 0974-8725) Vol-4, No.-1, pp 50-55.
15. Kant T, Tripathi R K and Rode V (2013), "Elasto-Plastic Behaviour of Thick Plates with a Higher-Order Shear Deformation Theory" *Proceedings of Indian National Science Academy*. Volume 79 No 4 December 2013, Special Issue Part A pp 563-574.

- Williams M P and Tripathi R K, "Effect of Shear Wall Location on the Linear and Nonlinear Behaviour Eccentrically Loaded Buildings" Indian Journal of Science and Technology (ISSN:0974-5645)(online), 0974-6846 (print) Volume No.9(22), pp : 01-05 1 June 2016.

9.3 Technical Paper published in International Conferences/Seminars/Workshops

- Tripathi R and Rode V (2001). Finite Element Analysis of Non-linear Plate Bending with Higher Order Shear Deformation Theory. **International Conference on Civil Engineering-2001**, held on 23-24 July 2001 at Indian Institute of Science, Bangalore. pp 419-428.
- Tripathi R and Rode V (2001). Finite Element Elasto-Plastic Analysis of Plate Bending using Layered Higher Order Shear Deformation Theory. **Structural Engineering Convention-2001** (An International Meet), held on 5-7 October 2001 at I. I. T. Roorkee, Roorkee, pp 538-553.
- Tripathi R and Rode V (1999). A Review of Anisotropic yield criteria and their applicability in the fibre reinforced composite materials. **2nd Asia Pacific Speciality Conference on Fibre Reinforced Concrete**. 27-28 August 1999, Singapore.
- Verma M K, Sen G and Tripathi R K (2002). "Importance of the Optimisation Techniques in Operation of Existing Water Resource Systems" in work shop on Computer Applications in Mineral Developments and Water Resources Managements held at G E C Raipur on 23rd-24th March 2002. Published by **South Asian Association of Economic Geologist**. pp 131-136.
- Ahmad I, Patel A, Verma M K and Tripathi R K (2011). Fuzzy Logic Based Inflow Prediction Model For Reservoirs of Mahanadi Basin" First International Conference on **Emerging Trends in Soft Computing and ICT (SCICT 2011)**. 16-17 March 2011 G G Vishwavidhyalaya Bilaspur (India). Pp 95-98
- Yadu L K, Singh D and Tripathi R K (2011). "Strength Characteristics of Rice Husk Ash Stabilized Black Cotton Soil" International Conference on **Advances in Materials and Techniques for Infrastructure Development (AMTID 2011)**. 28-30 September 2011 NIT Calicut (India). Paper No T022.
- Yadu L K. and Tripathi R K (2012). "Effects of Granulated Blast Furnace Slag in the Engineering Behavior of Stabilized Soft Soil " 3rd Nirma University International Conference on Engineering, NUICONE-2012, organized by Institute of Technology, Nirma University, Ahmedabad in association with IEEE and Science Direct., India, December 06-08.
- Tripathi R.K. and Yadu L.K. (2013). "Bearing Capacity of Square Footing on Soft Soil Stabilized with Rice Husk Ash – An Experimental Study" in International Conference on Emerging Trends in Engineering and Technology ICETET 2013 at Phuket from 7th to 8th Dec 2013 organized by International Institute of Engineers.
- Laxmikanth Yadu, Dr R K Tripathi, "Effectiveness of Granulated Blast Furnace Slag Over Sand as Overlay for the Stabilization of Soft Soil", **Advances in Engineering and Technology Convergece**, 28th April 2013 Bangkok.
- Dr R K Tripathi, Laxmikanth Yadu, "Effect of Bearing capacity ratio of strip footing for various granular fill thickness and number of geogrid layers in grabular fill overlay on soft soil", 2014 Geo-Congress, Atlanta, Georgia.
- Laxmikanth Yadu, Dr R K Tripathi, "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", 2014 Geo-Congress, Atlanta, Georgia.
- Tripathi R K (2014). "Study on Environmental Impact of Coal Mining in Korba Region of Chhattisgarh State of India" in International Conference on Chemical, Biological and Environment Sciences (ICCBES 2014) at Pattaya (Thailand) from 15 to 16 December 2014 organised by Planetary Scientific Research Centre.
- Williams M P and Tripathi R K, "Comparative Study of Linear and Nonlinear Behaviour of RCC Irregular and Regular Structures", International Conference on Engineering, Technology and Sciences March 2015.
- Tripathi R K and Tripathi M. (2015). "Development of Geoid Model for Chhattisgarh State using Geophysical Methods and GPS Technology" in 4th International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM 2015) at Kuala Lumpur from 08 to 09 December 2015 organised by International Institute of Engineers Kuala Lumpur.
- Dr Laxmikanth Yadu, Dr R K Tripathi, "Response of Circular Footings ON New Key Engineering Material-Granulated Blast Furnace Slag as Structural Fill", 5th International Conference on Key Engineering Materials (ICKEM 2015), 21-23 March 2015 Singapore.
- Mishra R K and Tripathi R K, "Mechanical Properties of Concrete on Partial Peplacement of Natural Sand with Alternative Materials: in proceedings of 4th Asian Conference on Ecstasy in Concrete ICI-ACECON 2015, at Kolkatta from 8 to 10 December 2015, V 1 pp 279-287.
- Gupta S, Tripathi R K and Mishra R K, "Statistical model for prediction of 28 days compressive strength by 3 days compressive strength using response surface method" International Conference on Civil, Mechanical and Environmental Engineering Technologies ICCMEET 2016 , ISBN: 978-1-9411505-42-7, 26-27 Feb 2016 at SVS College of Engineering Coimbatore India-642203 pp 78-.

18. Thomas A, Tripathi R K and Yadu L K, "Variation in shear modulus of enzyme treated soil under cyclic loading", Geotechnical Special Publication, GeoChina 2016 American Society of Civil Engineers pp. 88-95.
19. Ansu Thomas, R K Tripathi, L K Yadu, 2016, Effect of GBS on the UCS and Shear modulus of soil, International Geotechnical Engineering Conference on Sustainability in Geotechnical Engineering Practices and Related Urban Issues, September 23-24, 2016, Mumbai, India.
20. Tripathi M, Williams M P and Tripathi R K. (2016). "Behaviour of Tall Structures with Eccentric loadings" in International Conference on Green Buildings, Civil and Architectural Engineering (ICGBCAE 2016) at Dubai (UAE) from 09 to 10 October 2016 organised by Universal Researchers in Science and Technology pp 59-65.
21. Ansu Thomas, R. K. Tripathi, L. K. Yadu, "Variation in Damping Ratio of Enzyme Treated Soil", International Conference on Current research topics in Power, Nuclear and Fuel Energy (PNFE) 2016 St Peter's Engineering College Dullapally Hyderabad 25-27 October 2016.
22. Tripathi R K and Mishra S R M, "Effect of Carbonation on Mechanical Properties & Durability of Concrete with Replacement of Sand by Pond Ash". 5th International Conference on Chemical, Materials, Mining and Manufacturing Engineering (CM3E-17-Bali) held on October 10-11, 2017 Bali (Indonesia).
23. Sharma A, Tripathi R K, and Govardhan (2018), " Seismic Performance of Different Base Isolation System for Asymmetric Buildings", International Conference on Advances in Science & Technology (ICAST), May 04th-05th, 2018, Jaipur (India).
24. Rajesh K Tripathi and Sunny D Guzzarlapudi (2020), "Assessment on Harmony of Pavement Condition Index Using ASTM, IRC and Regression Techniques", 3rd International Conference on Structure and Civil Engineering Research (icsceR 2019), June 26th -28th , 2019, Prague, Czech Republic.
25. A. Sharma, R.K. Tripathi, G. Bhat, "Seismic Assessment of Steel-frame Buildings Mounted with Base-Isolated System", ASPS Conf. Proc. 1 (2022) 1115–1122. <https://doi.org/10.38208/acp.v1.630>.
26. K.H. Kumar, R.K. Tripathi, "Effect of Vertical Setbacks of Space Frame Structure under Seismic and Blast Loads using Applied Element Method", ASPS Conf. Proc. 1 (2022) 625–630. <https://doi.org/10.38208/acp.v1.562>.
27. H.K. Karaka, R.K. Tripathi, Performance Evaluation of Masonry Infill Walls in Reinforced Concrete Frames Under Cyclic Loading Using Applied Element Method, Lect. Notes Civ. Eng. 171 (2022) 941–953. https://doi.org/10.1007/978-3-030-80312-4_80.
28. V.R. Harne, R.K. Tripathi, S.D. Guzzarlapudi, "Effect of Extrinsic and Intrinsic Parameters on Fatigue Performance of Hot Mix Asphalt Mixtures- A Review", International Conference on Smart and Sustainable Technologies for Disaster Resilient Infrastructure (SSTDRI- 2022), 29-30 (SEPTEMBER 2022) (Accepted and presented).
29. P.K. Thippa, R.K. Tripathi, G. Bhat, "A case study on performance of structures during Turkey-Syria multiple earthquakes occurred on February 6, 2023", IOP Conf. Ser. Earth Environ. Sci. 1280 (2023). <https://doi.org/10.1088/1755-1315/1280/1/012023>.
30. A. Sharma, R.K. Tripathi, G. Bhatt, "Application of DDBD Method on Mid-Rise Open-Ground Storey RC Frame Buildings", Lect. Notes Civ. Eng. 277 (2023) 247–257. https://doi.org/10.1007/978-981-19-4040-8_21.
31. A. Sharma, R.K. Tripathi, G. Bhatt, "Influence of DDBD Approach in Seismic Assessment of Vertically Irregular RC Buildings", Lect. Notes Civ. Eng. 284 (2023) 331–339. https://doi.org/10.1007/978-3-031-12011-4_25.
32. A. Sharma, R.K. Tripathi, G. Bhat, "Seismic Assessment of Vertically Irregular RC Frame Buildings Designed Using Direct Displacement-Based Design Approach", Adv. Sci. Technol. Innov. (2024) 411–414. https://doi.org/10.1007/978-3-031-43218-7_95.
33. P.K. Thippa, R.K. Tripathi, G. Bhat, "Effect of multiple earthquakes on force based and capacity based designed structures", SEC-2023, VNIT Nagpur (Accepted and presented in December-2023).

9.4 Technical Paper published in National Conferences/Seminars/Workshops

1. Tripathi R K, Kumar S and Jain R K "Optimum Cost Comparison between different low cost treatment systems for Domestic Wastewater treatment", in National Seminar on Pollution Control for Sustainable Development and Human Health held at Jabalpur from 12-10-1997 to 13-10-1997, pp 125-131.
2. Sen G and Tripathi R K "Analytical Investigation on Waste Water Disposal using Model Cribs" in National Seminar on **Pollution Control for Sustainable Development and Human Health** held at Jabalpur from 12-10-1997 to 13-10-1997, pp 82-85.
3. Tripathi R K and Nayer K K "Development of New Grillage Model using substructure technique for transverse section of Box-Girder Bridge Decks" at 58th annual session of **Indian Road Congress** held at Bhopal from 5-10-1998 to 8-10-1998, pp 34-42.
4. Tripathi R K and Rode V (1999). A systematic Computer aided approach for Elasto-Plastic Analysis of fibre reinforced composite structural members. **CMSID-99**, 3-4 April 1999, Gwalior by Indian Concrete Institute, pp 127-135.

5. Tripathi R and Rode V (1999). Fibre reinforced composite as an emerging building materials: A review of Elasto-Plastic behaviour. **CMSID-99**, 3-4 April 1999, Gwalior by Indian Concrete Institute, pp 146-151.
6. Tripathi R and Rode V (2000). Higher Order Shear Deformation Theory as an Emerging Analysis Tool for Non-Linear Plate bending analysis. **All India Seminar on Infrastructure Scenario in the Twenty first Century**. 4-5 October 2000, Lucknow, pp 45-57.
7. Tripathi R and Rode V (2000). Analytical modelling of Plate bending behaviour using Higher Order Shear Deformation Theory. **National Conference on New Horizons in Civil Engineering Practices for the Millennium-2000**. 07-08, December 2000, organized by A. M. A. College of Engineering, Kanchipuram, pp 15-21.
8. Verma M K and Tripathi R K (2003). "Development of Sustainable Water Resources Infrastructure for the State of Chhattisgarh". National Conference on Issues Pertaining to the Development of New State and the Capital of Chhattisgarh. Raipur 26-27 April 2003, pp 18-23.
9. Tripathi R K and Verma M K (2003). "Ready Mix Concrete A Need of Time for Development of New State Capital". National Conference on Issues Pertaining to the Development of New State and the Capital of Chhattisgarh. Raipur 26-27 April 2003, organized by I E (India) Raipur Local Centre. (pp 12-17).
10. Tripathi R K and Verma M K (2003). "Guide Lines for Construction of New Cement Concrete Roads" National Conference on Issues Pertaining to the Development of New State and the Capital of Chhattisgarh. Raipur 26-27 April 2003, organized by I E (India) Raipur Local Centre. pp 36-40.
11. Tripathi R K, Sahu T, Verma M K and Ramtekkar G D (2008). "Application of Seismic Hazard Analysis for Dams" in National Seminar on "Seismic Response: Design and Strengthening of Buildings Structure. Jabalpur 27th- 28th October 2007, pp 106-119.
12. Tripathi R K and Verma M K (2008). "DETERMINISTIC SEISMIC HAZARD ANALYSIS FOR RAIPUR CITY" National Conference on " Emerging Trends In Civil Engineering For Infrastructure Development " ETC-ID 2008 at National Institute of Technology Raipur on 15-16 February 2008. pp
13. Ahmad I, Verma M K and Tripathi R K (2008). "Application of Fuzzy Logic in Rainfall-Runoff Modeling for Murumsilli Reservoir", National Conference on Water resources in India: Concerns, Conservation and Management (WRIIN), University of Kashmir, Srinagar, Nov. 1-3, 2008.
14. Ahmad I, Verma M K and Tripathi R K (2008). "Urban Rain Water Harvesting and Ground Water Recharging", National Conference on Technological Advances in Civil Engineering: BITCON 2008, BIT Durg, Nov. 7-8, 2008, pp 274-278.
15. Soni A, Ahmad I, Verma M K and Tripathi R K (2008). "Study of Flood Routing Methods for Reservoirs", National Conference on Technological Advances in Civil Engineering: BITCON 2008, BIT Durg, Nov. 7-8, 2008, pp 224-228.
16. Ahmad I, Nayak S, Verma M K and Tripathi R K (2008). "Development and Application of Fuzzy Logic based Rainfall-Runoff Model", National Conference on Hydraulics & Water Resources: HYDRO 2008, MNIT Jaipur, Dec. 15-16, 2008, pp 275-282.
17. Ahmad I, Verma M K and Tripathi R K (2008). "Fuzzy Logic Approach in Rainfall-Runoff Modeling for Dudhawa Reservoir of MRP Complex", National Seminar: Water Vision 2030, IWWA, Nagpur Centre, Dec. 24-25, 2008, 9.
18. Nayak S, Tripathi R K and Verma M K (2008). "Weighted Goal Programming – An Effective Tool for Optimal Operation of Multiple Reservoir Systems", National Seminar: Water Vision 2030, IWWA, Nagpur Centre, December 24-25, 2008.
19. Yadu L K and Tripathi R K (2011). "Potential of Disposed Jute Bags for Sustainable Civil Construction Works in Chhattisgarh State. 25-26 January 2011, organized by S S Technical Campus Bhilai (India).
20. Tripathi R K and Tripathi N (2011). "Institute Industry Interaction" National Conference on Role of Science and Technology for Sustainable Development of Chhattisgarh. 25-26 January 2011, organized by S S Technical Campus Bhilai (India). PP 25-26.
21. Tripathi R K and Tripathi N (2011). "Institute Industry Interaction" National Conference on Industry Institute Interaction for Emerging Technologies. 17-18 March 2011, organized by S S I T M Bhilai (India). PP 6-9.
22. Verma M K, Tripathi R K and Ahmad I (2011). "Assessment of Asian Cities on the basis of Green City Index" 27th National Convention of Civil Engineers and National Seminar on Integrated Development of Towns as Growth Centers. 15-16 October 2011, organized by Institution of Engineers (India) C G State Center Raipur. pp 23-29.
23. Verma G, Tripathi R K and Verma M K (2011). "Integrated Township Planning: Need of the Hour" 27th National Convention of Civil Engineers and National Seminar on Integrated Development of Towns as Growth Centers. 15-16 October 2011, organized by Institution of Engineers (India) C G State Center Raipur. pp 79-83.
24. Yadu L K, Tripathi R K and Patel A (2011). "Smart Buildings and Photovoltaic Based Cooling System" 27th National Convention of Civil Engineers and National Seminar on Integrated Development of Towns as Growth

10. Ph. D. Supervisor: (Ph. D. Supervision Completed)

S. No.	Name of Candidates	Registration Year	Title of research work	Co-Supervisor	Year of Completion
1.	Laxmi Kant Yadu	2009	Behaviour of Reinforced Granular fill-soft soil system under transverse loading on Rigid foundation: An experimental and numerical study.	NA	2014
2.	Anupum Shukla	2010	Identification, assessment and analysis of risk factors on overrun in Some National Highway Projects	Dr G. D. Ramtekar Civil Engg	2018
3.	S. R. K. Mishra	2011	Effect on carbonation of concrete made by replacement of fine aggregate with some locally available materials	NA	2018
4.	Miss Ansu Thomas	2014	A Comparative Study of Soil Stabilisation using Traditional, Nontraditional and Byproduct Stabilisers	Dr L. K. Yadu Civil Engg	2018
5.	Raman Mehar	2011 [PT]	Soil Erosion Modelling of Shivnath River Basin Using Morphological Parameters	Dr M.K.Verma Civil Engg	2019
6.	Rakesh Kumar Grover	2008-09 [PT]	Earthquake Response Analysis of Major Dams of Madya Pradesh. [JEC Jabalpur University RGPV Bhopal]	Dr H.K. Mishra HoD Civil	2021
7.	Anurag Sharma 17314001	2017 [FT]	Modified Direct Displacement Based Design for Open Ground Storey RC Frame Buildings	Dr Govardhan Bhatt	2022
8.	Mrs Varsha Harne 17314008	2017 [PT]	Development of Comprehensive Survival Mechanism for Predicting Flexible Pavement Performance	Dr Sunny Deol G.	2024
9.	Karaka Hemanth Kumar 19314003	2019 [FT]	Damage assessment of reinforced concrete structures using Applied Element Method	-----	2025

Ph. D. Supervision Ongoing

S. No.	Name of Candidates	Reg. Year	Title of research work	Co-Supervisor	Remarks
1.	Tippa Pavan Kumar 20314009	2021 [FT]	Study on effect of multiple earthquake excitations on irregular RC frame structures	Dr Govardhan Bhat	Ongoing
2.	Ankamreddi Satyaveni 22314002	2022 [FT]	A modified approach for development of fly ash geo-polymer coarse aggregate and its suitability assessment for concrete applications	-----	Ongoing
3.	Aparna Bhatt 24314002	2024 [FT]	Earthquake Resistant Design of Steel Structures	Dr Govardhan Bhat	Ongoing

Ph. D. Thesis Evaluated

1. Technical University Lucknow
2. VNIT Nagpur
3. **SVNIT Surat:** External Examiner for the Thesis titled as " Performance Evaluation of Innovative Headed stud Shear Connectors in Composite Structure". (Mr Pardesi Rahul Tarachand)- SVNIT Surat
4. IGNOU New delhi

11. M. Tech Dissertation Guided

1. "Computer Aided Analysis and Design of Folded Plate Structures' by Ajit Dwivedi of Government Engineering College Jabalpur in 1994.
2. "Computer Aided Analysis and Design of Cylindrical Shell Structures" by R. K. Bansal of Government Engineering College Jabalpur in 1994.
3. "Computer Aided Design and Cost Optimisation of Overhead Circular Water Tank" by Yashpal Kant of Government Engineering College Jabalpur in 1995.
4. "Deterministic Seismic Hazard Analysis of Tandula Dam and Balar Dam Sites" by Chaitram Sahu of N.I.T. Raipur 2006.
5. "Study of Earthquake Engineering and Seismic Hazard Analysis for Kodar and Sondur Dam Site in Chhattisgarh state" by Pramod Khare of N.I.T. Raipur in November-2006.
6. "Evaluation of Peak Ground Acceleration at Hasdeo Bango and Dudhawa Dam Sites in Chhattisgarh State" by Shashank Tiwari of N.I.T. Raipur in November-2006.
7. "Assessment of Seismic Hazard for Ravishankar and Sikaser Dam in Chhattisgarh State" by Tejram Sahu of N.I.T. Raipur in November-2006.
8. "Development of Fuzzy Logic Based Rainfall-Runoff Model for Reservoirs of Mahanadi Reservoir Project Complex" by Ishtiyah Ahmad of N.I.T. Raipur 2008.
9. "Application of Thomos-Fiering model for monthly stream flow generation in the Mahanadi Reservoir Project Complex" by Bhurang Sai of N.I.T. Raipur 2010.
10. "Optimization of Basin Water use and Planning of New Irrigation Scheme using GIS Application for Beda River SUB-Basin" by Asit Kumar Mahanty of NIT Raipur 2011.
11. "Dynamic analysis of Ravishankar and Hirakund Dams" by Mrs Gaurva of N.I.T. Raipur 2012.
12. "Seismic analysis of Sondur and Rupsiabagar-Khasiabara Dams" by Aryak Sori of N.I.T. Raipur 2012.
13. "Application of Remote Sensing & Geographical Information System in Ground Water Prospects Mapping" by Jainendra Vishakarma of N.I.T. 2013. Raipur.
14. "Dynamic Analysis of Ravishankar and Hirakund Dams" 2013, by Mrs Gaurva.
15. "Seismic analysis of Sondur and Rupsiabagar-Khasiabara Dams" 2013, by Aryak Sori.
16. "A standard Precipitation Index Based Drought Analysis in Upper Seonath Sub Basin Using GIS ", 2014, by Ms Preeti Rajput.
17. "Estimation of 28 days compressive strength using 3 days and 7 days Electrical Resistivity, UPV and Compressive Strength Data" June 2016, by Sohan Gupta.
18. "Linear and Nonlinear Analysis of Frames using Different Structural Arrangements" June 2016, by Ms Mary Williams P.
19. "Analysis of Beams and Portal Frames with Web Openings" June 2017, by Ms Aparna C Manoharan.
20. "Effect of Skew Angle on Bridge Analysis" 2018, by Raghav Sundria.
21. "Analysis of Bridge using LRFD, Euro Code and Indian Code", 2018, by Justin Johnson.
22. Performance of Diagrid as a New Structural Stability System for the Tall Steel Structures. June 2019 by Abhimanyu Pandey.
23. Analysis of Frames Using Time History and Pushover Methodology. June 2019 by Ankit Sandilya.
24. "Analysis and Design of Single Cell PSC Box Girder Bridge" June 2020 by Tarun Kumar Roll Number-18243012.
25. "Parametric study for the optimal design of raft foundation using Winklers method", 2021, by Madhusree Bhaduri.
26. "Primary structural health monitoring using a vibration-based smartphone sensor", 2021, by Rahul Mandal.
27. Comparative analysis of isolated footing using finite element method. June 2022 by Sangeeth Shukla Roll Number 20243010.
28. Nonlinear analysis of Timosenko beam. June 2022 by Shivam Verma Roll Number 20243013.
29. Analysis and design of a pre-engineered building using different brace arrangements. June 2023 by Manish Nath Tiwari, Roll No 21243007.
30. Analysis and design of optimised section for the tall chimney. June 2023 by Sachin Bajaj, Roll No 21243012.
31. FEM Analysis of Precast RC Corbel Connection under Static load, 2024, Rahul Dewangan.

32. Design of Circular Steel Silos Using Different Codes, 2024, Tinkel Deshmukh.

12. Evaluation of M.E. / M. Tech Dissertation Work/ PhD Thesis

1. Conducted M.E. Thesis Via-va on "Seismic Response of Building for Indian Earthquakes" at S.G.S.I.T.S. Indore on 08-12-2008. (No. Exam/PGA/1480 Indore dated 24-09-08)
2. Conducted M.Tech. Thesis Via-va on "Fire Resistant Design of a Shopping Mall" at MANIT Bhopal on 27-10-2009. (Candidate Satish Kumar Chitwar Supervisor Dr P Suryanarayan; No COE/475/Conf./Exam/P-2 Dated 26-08-09).
3. Conducted M.Tech. Thesis Via-va on "Span Optimization for T-Beam Girder Bridge" at MANIT Bhopal on 27-10-2009. (Candidate Bharti Yadav Supervisor Dr S.K.Dubey; No COE/475/Conf./Exam/P-2 Dated 26-08-09).
4. Conducted M.Tech. Thesis Via-va on "Comparison of Cost and Constructional Advantages of Alternate Column Designs" at MANIT Bhopal on 27-10-2009. (Candidate Anubhav Rai Supervisor Dr P Suryanarayan; No COE/475/Conf./Exam/P-2 Dated 26-08-09).
5. Conducted M.Tech. Thesis Via-va on "Design of Buildings of Steel and Concrete Comparative Assessment of Limited Continuity Approach and Composite Construction" at MANIT Bhopal on 27-10-2009. (Candidate Prakash Sangamnerkar Supervisor Dr P Suryanarayan).
6. Conducted M.Tech. Thesis Via-va on "Computation of Safe Loads by Load and Resistance Factor method for Columns in Steel Building Frames" at MANIT Bhopal on 27-10-2009. (Candidate Rajesh Prasad Supervisor Dr P Suryanarayan).
7. Conducted M.Tech. Thesis Via-va on " Computation for Membrane forces in Shell of Revolution" at MANIT Bhopal on -2010. (Candidate Trupti Yadav, Supervisor Dr Vishnu Prasad and Mrs Ruchi Khare)
8. Conducted M.Tech. Thesis Via-va on " Seismic Response of RCC Framed and Shear Wall Structure a Comparative Study" at MANIT Bhopal on -2010 (Candidate Vikram Soni, Supervisor Dr S.K. Dubey)
9. Conducted M.Tech. Thesis Via-va on " Seismic Response of RCC Framed Building in Various Earthquake Zones" at MANIT Bhopal on -2010 (Candidate Afsar Chaand, Supervisor Dr S.K. Dubey)

13. Research Projects

S. No.	Title of Project	Sponsored by	Amount	Status
1.	Improving Soft Sub-grades for the Construction of Low Volume Roads using Available marginal Materials. Started in 2012	Chhattisgarh Council of Science & Technology Raipur	2.00 Lacs	Completed in 2014
2.	Improving Soft Sub-grades for the Construction of Low Volume Roads using Available marginal Materials. Started in 2014	Department of Science and Technology New Delhi	25.00 Lacs	Completed
3.	Performance Evaluation of Some Selected PMGSY Roads Section in the State of Chhattisgarh (From November 2015)	National Rural Road Development Agency, Ministry of Rural Road Development, Govt of India New Delhi	41.86 Lacs	Completed

14. Continuing Programme Organised

S. No	Name of Course	From	To	Name of Sponsorer
1.	One month program on " Computer Aided Office Automation " for state Government Employees at Government Engineering College Jabalpur	6 th March-1995	5 th -April 1995	Government of M.P.
2.	National Program for Capacity Building of Engineers in Earthquake Risk Management (NPCBEERM) for Practicing Engineers	3 rd -March-2010	7 th - March-2010	National Institute of Disaster Management, Ministry of Home Affairs New Delhi
3	Course on AUTOCAD (C. No. 111 morning Batch and C. No. 112 Evening Batch : Total TWO Batches)	14 th Feb 2011	16 th March 2011	Self Financing by Candidate
4	Course on M. S. Office (C. No. 113 Evening Batch)	14 th Feb 2011	16 th March 2011	Self Financing by Candidate
5	Course on AUTOCAD (C. No. 114 morning Batch and C. No. 115 Evening Batch : Total TWO Batches)	28 th March 2011	28 th April 2011	Self Financing by Candidate
6	Course on M. S. Office (C. No. 117 Evening Batch)	12 th April 2011	12 th May 2011	Self Financing by Candidate
7	Course on AUTOCAD (C. No. 119 morning Batch, C. No.	1 st May 2011	30 th May	Self Financing by Candidate

	120 day Batch and C. No. 121 Evening Batch : Total Three Batches)		2011	
8	Course on M. S. Office (C. No. 123 Evening Batch)	13 th May 2011	12 th June 2011	Sponsored by B. S. N. L. Raipur
9	Course on AUTOCAD (C. No. 127 morning Batch, C. No. 128 day Batch and C. No. 129 Evening Batch : Total Three Batches)	6 th June 2011	7 th July 2011	Self Financing by Candidate
10	Course on AUTOCAD (C. No. 132 morning Batch and C. No. 133 Evening Batch : Total TWO Batches)	11 th July 2011	11 th Aug. 2011	Self Financing by Candidate
11	Course on M. S. Office (C. No. 134 Evening Batch)	16 th Aug. 2011	15 th Sep. 2011	Sponsored by Directorate of Health, Govt. of C.G.
12	Course on AUTOCAD (C. No. 135 morning Batch and C. No. 136 Evening Batch : Total TWO Batches)	22 nd Aug. 2011	21 st Sep 2011	Self Financing by Candidate
13	Course on M. S. Office (C. No. 138 Evening Batch)	20 th Sep 2011	20 th Oct 2011	Sponsored by Directorate of Health, Govt. of C.G.

15. Seminars/ Workshop/Conference Organised

S. No.	Title / Name	Period		National / International	Organized by
		From	To		
1.	Alternative Building Materials and Advanced Construction Techniques	17 th Feb. 1997	21 th Feb. 1997	National Workshop	Government Engineering College Raipur
2.	Issues Pertaining to the Development of New State and the Capital of Chhattisgarh	26 th April 2003	27 th April 2003	National Conference	Institution of Engineers (India) State Centre Raipur
3.	Requirements of Technical Groups to Meet the Future Human Resources	29 th Oct. 2003	30 th Oct. 2003	National Workshop	Chhattisgarh Gov. at Raipur (No.97/US/TE/2003 Raipur Dated 23-9-2003)
4.	Emerging Trends in Civil Engineering for Infrastructure Development ETC-ID 2008	15 th Feb. 2008	16 th Feb. 2008	National Conference	National Institute of Technology Raipur
5.	Durability of Concrete and Role of Blended Cements	29 th March 2009	29 th March 2009	National Seminar	ACC Cement & National Institute of Tech. Raipur
6.	National Program for Capacity Building of Engineers in Earthquake Risk Management (NPCBEERM) for Practicing Engineers	3 rd March 2010	7 th March 2010	National Seminar	National Institute of Disaster Management, Ministry of Home Affairs New Delhi
7.	Best Practices of Flexible Pavement Construction	18 th Nov. 2010	-	Regional Seminar	H. P. C. L. & National Institute of Tech. Raipur
8.	Integrated Development of Towns as Growth Centers.	15 th Oct. 2011	16 th Oct. 2011	National Seminar	IEI (India) C G State Center Raipur and N I T Raipur
9.	Awareness of Indian Standard with particular Reference to National Building Code (NBC)-2005	27 th April 2012	27 th April 2012	All India Workshop	CG State Centre of I. E (India) and BIS New Delhi.
10.	Application of Artificial Intelligence in Bioinformatics / Life Sciences	17 th Jan. 2013	17 th Jan. 2013	National Seminar	National Institute of Technology Raipur
11.	One Week National Workshop on Visual MODFLOW	18 th Nov. 2013	22 th Nov. 2013	Workshop	National Institute of Technology Raipur
12.	Finite Element Analysis of Plate Bending Using Higher Order Shear Deformation Theory	6 th April 2015		Workshop	Gujrat Technological University Ahmadabad-382424 (Gujrat)
13.	Research Schemes in DST & Recent Advances in Civil & Transportation Engineering	1 st August 2015		Workshop	National Institute of Technology Raipur under TEQIP-II
14.	Construction of Low Volume Roads on Soft Soil Improved by Locally Available Marginal Materials	14 th August 2015		Workshop	National Institute of Technology Raipur under TEQIP-II
15.	Water Resources in Developing Countries: Planning and Management	27 th August 2015	28 th August 2015	Workshop	National Institute of Technology Raipur
16.	Testing Methods in Civil Engineering Construction	16 th Nov. 2015	20 th Nov. 2015	Training Programme	National Institute of Technology Raipur under TEQIP-II

17.	Construction of Low Volume Roads on Soft Subgrade Soil Improved by Locally Available Marginal Materials (as a Co-ordinator)	24-09-2018	28-09-2018	National Workshop	Civil Engineering Department funded by HSMI HUDCO New Delhi
18.	Construction of Low Volume Roads on Soft Subgrade Soil Improved by Locally Available Marginal Materials (as a Coordinator)	24-09-2018	28-09-2018	National Workshop	Civil Engineering Department funded by HSMI HUDCO New Delhi

16. Conference / Seminar / Workshop Participated

S. No.	Title / Name	Period		National / International	Organized by
		From	To		
1.	Construction Management for Sustainable Infrastructure Development CMSID-99	3 rd April 1999	4 th April 1999	National level	Indian Concrete Institute at Gwalior
2.	Infrastructure Scenario in the Twenty first Century.	4 th October 2000	5 th October 2000	All India Seminar	Institution of Engineers (I) Lucknow
3.	New Horizons in Civil Engineering Practices for the Millennium-2000	7 th Dec. 2000	8 th Dec. 2000	National Conference	A. M. A. College of Engg. Kanchipuram
4.	International Conference on Civil Engineering-2001	23 rd July 2001	24 th July 2001	International Conference	Indian Institute of Science, Bangalore
5.	Structural Engineering Convention-2001	5 th October 2001	7 th October 2001	An International Meet	Indian Institute of Technology Roorkee
6.	Issues Pertaining to the Development of New State and the Capital of Chhattisgarh	26 th April 2003	27 th April 2003	National Conference	Institution of Engineers and G. E. C. Raipur
7.	Canada India Institute –Industry Linkage Project “ SHOWCASE 2004 ”	8 th October 2004		National	CIILP at National Inst. of Oceanography Goa India
8.	Project Management	5 th Jan. 2006	7 th Jan. 2006	National	IIM Ahmedabad & CHIPS Raipur
9.	Emerging Trends In Civil Engineering For Infrastructure Development “ ETC-ID 2008	15 th Feb. 2008	16 th Feb. 2008	National Conference	National Institute of Technology Raipur
10.	TATA TISCON 500 Technical Meet. (PAPL: LAUNCHMEET Tuesday, July 15, 2008)	23 rd July 2008		Regional Seminar	M/S Tata Steel at hotel Golden Tulip Raipur
11.	Invited Guest in HOLLCEM AWARD CEREMONY for Asia Pacific Region This award is given for the works in the field of sustainable development.	27 th November 2008		International Award Ceremony	M/S HOLLCEM at India Habitat Centre New Delhi
12.	National Seminar on “ FUTURE OF URBANIZATION ”	27 th July 2010	28 th July 2010	National Seminar	National Institute of Technology Raipur
13.	Workshop on “ Integrated Storm Water Management ” in Raipur	31 st Oct. 2010		State level	Municipal Corporation Raipur (C.G.) and GTZ
14.	Future Dialogue Conference on SUSTAINABLE CITIES Mastering the Challenges and Opportunities of Rapid Urbanisation	24 th September 2011	--	International Conference (Invited Participant)	Max Plank Society and Siemens in Cooperation with Economist Conferences Germany
15.	International Conference of Advances in Materials and Techniques for Infrastructure Development (AMTID 2011)	28 th September 2011	30 th September 2011	International Conference	National Institute of Technology Calicut, 673601 Kerala (India)
16.	Integrated Development of Towns as Growth Centers	15 th Oct. 2011	16 th Oct. 2011	National Seminar	IEI (India) C G State Center Raipur and N I T Raipur
17.	44 th Annual Convention of Indian Water Works Association at Raipur	7 th Jan. 2012	9 th Jan. 2012	National Convention	Indian Water Works Association
18.	Capacity Building of Civil Engineers	27 th July 2013			Govt of Chhattisgarh Public Works Deptt.
19.	Capacity Building of Civil Engineers	28 th July 2013			Govt of Chhattisgarh Public Works Deptt.
20.	International Conference on Emerging Trends in Engineering and Technology ICETET 2013 at Phuket	7 th Dec 2013	8 th Dec 2013	International Conference	International Institute of Engineers.
21.	International Conference on Chemical,	15	16	International	Planetary Scientific

	Biological and Environment Sciences (ICCBES 2014) at Pattaya (Thailand)	December 2014	December 2014	Conference	Research Centre
22.	Workshop on "Bridge cum Bandhara Systems"	16 th April 2015	17 th April 2015		V.N.I.T.Nagpur sponsored by NRRDA New Delhi
23.	4 th International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM 2015)	8 th Dec 2015	9 th Dec 2015	International Conference	International Institute of Engineers Kuala Lumpur (Malesiya)
24.	International Conference on G Green Buildings, Civil and Architectural Engineering (ICGBCAE 2016).	09 October 2016	10 October 2016	International Conference	Universal Researchers in Science and Technology Dubai (UAE)
25.	5th International Conference on Chemical, Materials, Mining and Manufacturing Engineering (CM3E-17-Bali)	10 October 2017	11 October 2017	International Conference	October 10-11, 2017 Bali (Indonesia)

17. Summer / Winter Schools / Training / Continuing Programme Attended

S. No.	Title / Name of course	Period		Name of Sponsorer
		From	To	
1.	Summer School on " Analysis and Design of Transmission Line Towers" (2 weeks)	21 st May 1990	3 rd June 1990	Indian Society for Tech. Education at College of Engineering Madras (Anna University)
2.	Summer School on " Product Development "(2 weeks)	2 nd June 1992	15 th June 1992.	Q.I.P. at Indian Institute of Technology New Delhi
3.	Summer School on "Foundation for Coastal and Off shore Structures" (2 weeks)	17 th May 1993	28 th May 1993.	Indian Society for Technical Education at R. E. C. Calicut
4.	One month Training Programme on "Remote Sensing Application in Town and Country Planning" (4 weeks)	19 th Feb. 1995	15 th March 1995.	Indian Institute of Remote Sensing Dehradun
5.	Summer School on "Traffic Operation Control and Management in Urban Centers.(2 weeks)	5 th June 1995	17 th June 1995	Indian Society for Technical Education at R. E. C. Surat
6.	Winter School on " High Rise Structures" (2 weeks)	23 rd Dec. 1996	3 rd January 1997	A.I.C.T.E. at Indian Institute of Technology Kharagpur.
7.	Short Term Course on " Information Technology and Networking" .(2 weeks)	22 nd Sep. 1997	6 th October 1997	Indian Society for Tech. Education at Government Engg. College Raipur
8.	Short Term Course on "Experimental Geotechnics" (2 weeks)	15 th June 1998	26 th June 1998.	Q.I.P. at Indian Institute of Technology Bombay
9.	Refresher Course on "Project Planning and Preparation" (2 weeks)	6 th Dec.ember 1999	15 th December 1999	CPHEEO, Ministry of Urban Affairs and Employment New Delhi at S.G.S.I.T.S. Indore.
10.	"Development of staff Competency Profile for Staff Development Managers". (2 Days)	5 th Nov 2001	7 th Nov 2001	C.I.I.L.P. at S. V. Polytechnic Bhopal.
11.	"On Line Learning".(1 weeks)	29 th April 2002	03 th April-2002	Technical Teachers Training Institute Bhopal
12.	Training for "Out Reach Programme" ".(1 weeks)	16 th Feb. 2004	20 th Feb. 2004	Govt. of Chhattisgarh at Indian Institute of Technology Kanpur
13.	One Semester Programme on "Earthquake Engineering" (5 month long).	August 2004.	December 2004	NPEEE, MHRD, Govt. of India at Indian Institute of Science Banglore,
14.	Training Program on "Cash & Accounts Management" (2 Days) (NITRR/Training /2007/2051 Raipur dated 28-4-2007)	10 th May 2007.	12 th May 2007	Organized by- Institute of Socio Economic Research & Action – New Delhi-64 at hotel The Connaught.

18. Development of New Courses / Laboratories:

New Courses

- 1). **DACUM, Task Analysis and Training Standards for "Commissioning and Maintenance of Transformers"**. Facilitator for *Ministry of Human Resource Development* New Delhi under Canada India Institute Industry Linkage Project, August 2003.
- 2). **DACUM, Task Analysis and Training Standards for "Chemical Process Operator"**. For *Ministry of Human Resource Development* New Delhi under Canada India Institute Industry Linkage Project, June-July 2003.

- 3). DACUM, **Task Analysis and Training Standards** for “**Civil Engineering Building Supervisor**”. For Ministry of Human Resource Development New Delhi under Canada India Institute Industry Linkage Project, July 2003

Laboratories

- 1). Established, Computer Laboratories at Government, Engineering College Jabalpur.
- 2). Modernization of Concrete and Structural Engineering Laboratories at Government, Engineering College Jabalpur and Raipur.
- 3). Upgradation of Concrete, Structural, Environmental, Surveying, Hydraulics and Geotechnical, Engineering Laboratories at National Institute of Technology Raipur.
- 4). Establishment of Computer lab with facilities of Computer Aided Design in Civil Engineering Department (Certificate No. DFW/9353/DATE:-22/01/2018) at National Institute of Technology Raipur in 2003.

19. Government Industry Partnership Program

During the tenure as Deputy Secretary to Government of Chhattisgarh; Instrumental in starting **Government Industry Partnership Program** in state. In the first step **I.T.I. Bhansi** (in Baster Region) has been handed over to **M/s Esar Steels** to start new regular/ vocational courses as per demand of the regional steel and mining industries.

20. Service Rules and Departmental Setup

Following service rules had been framed during the tenure as Deputy Secretary to Government of Chhattisgarh.

1. Chhattisgarh Technical Education (Gazetted) Service (Teaching Cadre-Polytechnic) Recruitment Rules 2005.
2. Chhattisgarh Technical Education (Gazetted) Service (Teaching Cadre - Engineering Colleges) Recruitment Rules 2005.
3. Chhattisgarh Technical Education Service (Non Gazetted Class-III) (Technical Cadre- Engineering Colleges and Polytechnic) Recruitment Rules 2005.
4. Chhattisgarh Technical Education Service (Non Gazetted Class-III) (Non-Technical Cadre- Engineering Colleges and Polytechnic) Recruitment Rules 2005.

Instrumental for preparation and sanction of the following Departmental setups

1. Departmental Setup for Directorate of Technical Education Raipur
2. Setup for Engineering colleges and Polytechnics.

21. Key Note Address and Expert / Invited Lecturer Delivered

S. No.	Lecture Topic	Organized by	Sponsored by	Duration / Date
1.	Lecture on “ Design of Flexible Pavements ”	Training Program and Workshop for A.E.s and J.E.s of State Implementing Agencies by G.E.C. Raipur.	State Technical Agency PMGSY	7-7-2004 to 9-7-2004
2.	Expert lectures on “ Basics of Earthquake Engineering ”	Invited Lecturer by GMR Inst. of Tech. Rajam (A.P.)	GMR Inst. of Technology Rajam (A.P.)	29 th Dec. 2007
3.	Key Note Address on “ Finite Element Techniques ”	Innovations in Science & Technology towards Industrial Developments by R.C.E.T. Bhilai (Durg)	R.C.E.T. Bhilai (Durg)	4-5 January 2008
4.	Key Note Address on “ Ground Improvement & Earthquake Mitigation Techniques ”	Technological Advances in Civil Engineering: BITCON 2008 by Bhilai Institute of Technology Durg(BIT/2008 Dated 20-10-08)	Bhilai Institute of Technology Durg	7-8 Nov. 2008
5.	Expert lecture on “ Ground Improvement Techniques ” (under “Urban Earthquake Vulnerability Reduction Project”)	Earthquake Resistant. Construction Technology for civil Engineers by Jabalpur Engineering College Jabalpur	Government of India under Urban Vulnerability Reduction Project of UNDP	23-25 October 2008
6.	Expert lecture on “ Seismic Hazard Analysis ” (under “Urban Earthquake Vulnerability Reduction Project”)	Earthquake Resistant. Construction Technology for civil Engineers by Jabalpur Engineering College Jabalpur	Government of India under UVRP of UNDP	23-25 October 2008
7.	Expert lecture on “ Ground Improvement Techniques ” (under “Urban Earthquake Vulnerability	Earthquake Resistant. Construction Technology for civil Engineers by Jabalpur Engineering College Jabalpur	Government of India	27-31 July 2009

	Reduction Project")			
8.	Expert lecture on "Seismic Hazard Analysis" (under "Urban Earthquake Vulnerability Reduction Project")	Earthquake Resistant. Construction Technology for civil Engineers by Jabalpur Engineering College Jabalpur	Government of India	27-31 July 2009
9.	Expert Lectures "On Pavements & overlays- Design Construction and Maintenance" (No 1470 dated 2-8-8)	Training Program for Graduate Engineer of state P.W.D. by C.G. State Rural Dev. Institute (Nimora) from 4-9 August 2009.	Government of Chhattisgarh	06 th August 2009
10.	Expert lecture on "Earthquake Hazards and Mitigations"	Disaster Management Training Programme by Administrative Academy Raipur	Government of Chhattisgarh	05-January 2010
11.	Expert lectures on "Basics of Earthquake Engineering" (3-3-2010)	National Program for Capacity Building of Engineers in Earthquake Risk Management (NPCBEERM) for Practicing Engineers at N.I.T. Raipur	National Inst. of Disaster Manag., Ministry of Home Affairs NewDelhi	3 rd – 7 th March 2010
12.	Expert Lectures "Design of Flexible and Rigid Pavements with reference to PMGSY guidelines" (22-10-10)	Training Program for Executive, Assistant and Sub Engineers of state R.E.S. by C.G. State Rural Development Institute (Nimora)(No.10163: 13-10-2010)	Government of Chhattisgarh	18 th – 22 nd October 2010
13.	Key note address on Best practices of Flexible pavement Construction	Seminar for The road construction site supervisors of the Chhattisgarh Region	Hindustan Petroleum Corporation Ltd.	18 th November 2010
14.	Expert Lectures "Design of Flexible and Rigid Pavements with reference to PMGSY guidelines"	Training Program for Assistant Engineer and Sub Engineer posted under PMGSY from 30-11-10 to 04-12-10 at C.G. State Rural Development Institute (Nimora)	Government of Chhattisgarh	05 th December 2010
15.	Key note address on Best practices of Flexible pavement Construction	Seminar for The road construction site supervisors of the Chhattisgarh Region	Hindustan Petroleum Corporation Ltd.	18 th November 2010
16.	Expert Lectures "Design of Flexible and Rigid Pavements with reference to PMGSY guidelines"	Training Program for Assistant Engineer and Sub Engineer posted under PMGSY from 30-11-10 to 04-12-10 at C.G. State Rural Development Institute (Nimora)	Government of Chhattisgarh	05 th December 2010
17.	Key note address on "Industry Institute Interaction"	National Conference URVA TECH on "Industry Institute Interaction for Emerging Technologies" .	SSITM Junwani Bhilai (Chhattisgarh)	17 th March 2011
18.	Key note address on" Structural Behaviour of Plate Elements" .	Workshop on "Structural Behaviour and Design" for Structural Engineers.	Bhilai Institute of Technology Bhilai	15 th Dec. 2011
19.	Expert Lecture on "Reinforcement Detailing of Concrete Structures – I" (No 4246 / Estt /12 Kanker Dated 17-912)	Training Program for Departmental Engineers under Capacity Building of All Engineers by Chhattisgarh Public Works Department. At Kanker.	Government of Chhattisgarh	22-09-12
20.	Expert Lecture on "Reinforcement Detailing of Concrete Structures – II" (No 4246 / Estt /12 Kanker Dated 17-912)	Training Program for Departmental Engineers under Capacity Building of All Engineers by Chhattisgarh Public Works Department. At Kanker.	Government of Chhattisgarh	22-09-12
21.	Expert Lecture on "Design and Construction of Concrete Roads in Rural Areas. (No 6745 Raipur Dated 03-12-12 from o/o Development Commissioner)	One Day Workshop for Mukhya Mantri Gram Gaurav Path Yojna	Government of Chhattisgarh	06-12-12
22.	Expert Lecture on "Reinforcement Detailing of Concrete Structures " (No 2257 / Estt / Raipur Dated 24-07--2013)	Training Program for Departmental Engineers under Capacity Building of All Engineers by Chhattisgarh Public Works Department. At Raipur.	Government of Chhattisgarh	26-07-13
23.	Expert Lecture on "Design of Various Components of Structures" (No 2262 / Estt / Raipur Dated 24-07--2013)	Training Program for Departmental Engineers under Capacity Building of All Engineers by Chhattisgarh Public Works Department. At Raipur.	Government of Chhattisgarh	27-07-13
24.	Expert Lecture on "Basics of Earthquake Engineering" (No 499 / /	Training Program on " Earthquake Resistant Construction Techniques and	Revenue and Disaster	09-03-2015

	Bilaspur Dated 19-02--2015)	Safe Construction Practices" under Capacity Building. at Govt Engineering College Bilaspur	Management Department. Govt of Chhattisgarh	
25.	Expert Lecture on "Introduction of various IS code provision for Earthquake Resistance Construction" (No 499 // Bilaspur Dated 19-02--2015)	Training Program on " Earthquake Resistant Construction Techniques and Safe Construction Practices" under Capacity Building. at Govt Engineering College Bilaspur	Revenue and Disaster Management Department. Govt of Chhattisgarh	09-03-2015
26.	Expert Lecture on "Finite Element Analysis of Plate Bending Using Higher Order Shear Deformation Theory	Gujarat Technological University Ahmadabad-382424 (Gujarat)	G. T. U. Ahmadabad- (Gujarat)	6 th April 2015
27.	Key Note Address on "State of Art construction Practices in Concrete Road Construction" in BITCON 2016	Bhilai Institute of Technology Durg (C.G.)	B I T DURG Chhattisgarh	29-01-2016
28.	Key Note address on State of Art Practices for Construction Concrete Pavements and Laboratory and Field Tests.	One week workshop on Testing Methods in Civil Engineering Construction organized by National Institute of Tech. Raipur.	TEQIP-II	16 th to 20 th Nov. 2015
29.	Expert lecture on "Accreditation process (National / International)"	8 th Professional Development Training" at Indian Institute of Management Raipur	TEQIP-III IIM Raipur	20-05-2019
30.	Expert speaker for Faculty Development Programme on "Outcome Based Education and Accrediation"	AICTE sponsored Faculty Development Programme on "Outcome Based Education and Accrediation" conducted by BIT Raipur	BIT Raipur	04 th to 09 th November, 2019
31.	Expert Lecture on " Application of Higher Order Shear deformation Theory for Trends in Renewable Energy and Sustainable Material Section for Sustainable Development "	2nd International Conference on Recent Trends in Renewable Energy and Sustainable Development organized by Bhilai Institute of Technology Raipur	Bhilai Institute of Technology Raipur	30 th to 31 st January, 2020

22. Visit to outside Institute / organization:

Sr. No.	Instt. / Organization Visited	Purpose of visit	Date
1.	AIIMS, Raipur	Special Invitee as a Civil Expert in 30 th Meeting of ERC of AIIMS, Raipur held 15.05.2018.	15-05-2018
2.	Software Technological Park of India, Incubation Centre Bhilai	Member of Review committee for construction of New Incubation Centre Building at Bhilai (5 th Meeting)	13-09-2018
3.	Software Technological Park of India, Incubation Centre Bhilai	Member of Review committee for construction of New Incubation Centre Building at Bhilai (6 th Meeting)	29-10-2018
4.	AIIMS, Raipur	Special Invitee as a Civil Expert in 33 rd (Session 1) Meeting of ERC of AIIMS, Raipur held 15.01.2019.	15-01-2019
5.	AIIMS, Raipur	Special Invitee as a Civil Expert in 33 rd (Session 2) Meeting of ERC of AIIMS, Raipur held 07.02.2019.	07-02-2019

23. Editor / Reviewer of the Journals

1. Editor for **C.S.V.T.U. Research Journal**.
2. Reviewer of **C.S.V.T.U. Research Journal**.
3. **Member of Editorial Team** for Journal of Civil Engineering and Construction Technology.

24. Administrative Responsibilities at National Institute of Technology Raipur

1. **Head of the Department**, Civil Engineering. [No NITRR/DIR/CIRCULAR/S-1/2009/341 Raipur Dated 19-08-2009]
2. **Controller of Examinations** (From 2008), N. I. T. Raipur. [No./ NITRR/S-62008/2557 Raipur, dated 25-08-08 and No./ NITRR /S-1/ 2008/3933 Raipur, dated 19-12-2008]
3. **Training and Placement Officer** of N. I. T. Raipur in 2007. [No. 3120/ NITRR /Estt. Gaz/2007 Raipur, dated 09-07-07 and Letter No. 3120 /NITRR /Estt. Gaz/2007 Raipur Dated 9-7-2007]
4. **Drawing and Disbursing Officer** (with Dr S. S. Gokhale)
5. **Deputy Controller Examinations** (No. 3330 / Exam. Cell /July 2008 Raipur Dated 04-07-2008)
6. **In charge Registrar** N.I.T. Raipur (No. NITRR/R-1/2010/470 Raipur dated 29-5-10).
7. **Hostel Warden** (Hostel No.8) at Government Engineering College Jabalpur 1993-1994 (No.119/Steno/94 Jabalpur dated 23 Dec 94)

8. **Deputed** for T. Course Counseling at Govt. Engineering College Jabalpur (28-9-97 to 30-9-97) (No.3805 Jabalpur dated 39-9-97)
9. **Member**, Teacher Guardian Scheme for ST / ST Students (No. 980 / Estt. / 97 Raipur Dated 14-02-97)
10. **Engaged** Extensive Coaching Classes for ST and Sc Students. (No. 3822/SC/ST/97 Raipur 31-5-97) (Page No 172)
11. **Water Supply Incharge**, at Government Engineering Raipur from January 2003 to May 2005 (No. 5196 /Time Keeper/2003 Raipur Dated 16-1-2003)
12. **Survey Camp** for Fifth Semester Students at Forest of Kanker Division from 1-2-2003 to 7-2-2003 (No.5525 / S-1 /2003 Raipur 30-1-03)
13. **Member, Committee** to finalize the M. Tech. Applied Geology admission for 2003-2004 session. (No. 2274 Raipur dated 10-7-03)
14. **Member, Committee for Computer arrangements** for state level counseling for admission to B.E. first semester in state engineering colleges (No.2995 / S-F /2003 Raipur dated 21-8-2003)
15. **Member, Building Construction and Maintenance Committee** of Government Engineering College Raipur (No. 4124 / S-F / 2003 Raipur Dated 22-10-2003)
16. **Member**, Sate Technical Agency, for Pradhan Mantri Gram Sadak Yojana. Evaluated more than two hundred Detailed Project Reports for Durg and Kanker District of Chhattisgarh (from 2006 to 2008).
17. **Central Superintendent** at N.I.T. Raipur for Pt. Ravishankar Shukla University's Examinations. (No. NITRR/Estt. Gaz. /2007/1170 Raipur, dated 19-03-07) (Page No 188)
18. **Member** unfair means committee for examinations of N. I. T. Raipur. (No. 2782/Exam cell/07 Raipur, dated 12-06-07)
19. **Member** Tender Committee. (No. 3137 / Estt. Gaz/ NITRR /2007 Raipur dated 09-07-07)
20. **Member** Anti Ragging Committee of N. I. T. Raipur. (No. 3065/NITRR/Anti Ragging / 2007, Raipur dated 04-07-07)
21. **Member**, N.I.T. Campus Construction and Maintenance Committee. (No. NITRR /H.C. / 2007 / 3114 Raipur, dated 09-07-07)
22. **Member** Committee for rule formation for sliding of branches at N. I. T. Raipur. (No. slid/mdv/ 4180 dated 10-07-07)
23. **Member** Disciplinary Committee at N. I. T. Raipur. (No. NITRR /S-1/2007/3674 Raipur dated 13-08-07)
24. **Member**, Campus Development Committee of N. I. T. Raipur (No. /NITRR/S-6/2007/4292 Raipur Dated 17-09-2007).
25. **Member**, Training and Placement cell of N. I. T. Raipur (No. /NITRR/S-6/2007/4292 Raipur Dated 17-09-2007).
26. **Officer In Charge** in Writ Petition No 5242 / 07 at Honorable High Court of Chhattisgarh Bilaspur. (No. NITRR/Estt-Gaz /2007 / 4789 Raipur, dated 8-10-2207)
27. **Member**, Review Committee for compassionate appointments of N. I. T. Raipur. (NITRR/Estt-Gaz /2007 Raipur dated 10-11-07.)
28. **Member**, Committee to settle the GPF/DFP/CPF cases of Employees as per prevailing norms at NIT Rourkela (No. NITRR/Estt-Gaz /2007 / 5616 Raipur, dated 21-11-2007)
29. **Member**, Committee to fix the liability and the maintenance expenditure against the claim no102/06 of Motor Vehicle Accident Claim Authority Durg (No. NITRR/Registrar-2/ Court//2008/ 6478 Raipur, dated 17-1-2008)
30. **Committee Head** for "Annual Day's Function 2008 "for venue and stage committee. (No. Nil Raipur, dated 20-02-08)
31. **Officer In Charge** for regular appointment of grade **C employees** and contract appointment of Lecturers for session 2008-2009. (No. /1049/steno-F/2008 Raipur Dated 28-05-2008)
32. **Member** Right to information Committee, N.I.T. Raipur. (No./ NITRR/S- /2008/2557 Raipur, dated 25-08-08)
33. Arranged the End semester examination successfully in Hostel because of adverse. Condition aroused due District Administration takes the possession of main building. (No. NITRR/ R-1 /2008/3515 Raipur, dated 06-11-08)
34. **Member**, for the committee constituted for checking the various works submitted by M/s NBCC Ltd New Delhi for N.I.T. Raipur. (No. 3540/NITRR/CC/Registrar/2009 Raipur, dated 8-11-08)
35. **Member**, Enquiry Committee for state office. (No. 3869/NITRR/S-/Order /2008 Raipur, dated 13-12-08)
36. Professor In charge Computer Lab of Civil Engineering.
37. Professor In charge Gardens and Water Supply.

38. **Member**, Department Admission Committee Civil Engineering.
39. **Member** in R & D Committee from Civil Engineering Department.
40. **Member**, Building Works Committee of N. I. T. Raipur. (No. DP & D/2009 Raipur, Dated 27-11-09)
41. **Member**, for the committee constituted for deciding the faculty requirement at N. I. T. Raipur (No. NITRR/ S-1/2009/4184 Raipur, dated 09-01-2009).
42. **Committee Head** for “**ELECTIKA 2009** “for venue and stage committee. (No. NITRR/CC/2009/4891 Raipur, dated 14-03-09)
43. **Committee Head** for “**ELECTIKA 2010** “for venue and stage committee. (No. DSW/195/MKV/CIVIL/2010 Raipur, dated 05-03-10)
44. **Member**, for the committee constituted for Evaluation of Master Plan of New Campus for N.I.T. Raipur (No. NITRR /R-1 /1010/5 Raipur, dated 1-04-2010).
45. **Member**, for the committee constituted Scrutiny of application for the post of Assistant professor at N.I.T. Raipur (No. 184/Dean (R & C)/10 Raipur, dated 10-05-2010).
46. **Member**, Doctorate Guidance Committee Mechanical Engg. N.I.T. Raipur (No./NITRR / Mech. /100 Date 09-07-10)
47. **Committee Head** for Printing of Degrees & degree folders and other related works for the “**First Convocation of N.I.T. Raipur**” held for three batches. (No./DIR/CONVOCATION/2010/623 Raipur Dated 21-7-2010)
48. **Member**, for the committee constituted for resolving the matter of various inoperative Bank Accounts (No. NITRR/ R-1/2010/3486 Raipur, dated 23-12-10)
49. **Chairman**, D.R.C. Civil Engineering ()
50. **Head of the Department**, Civil Engineering. [No NITRR/DIR/CIRCULAR/2013/832 Raipur Dated 06-09-2013] (2013-2016).
51. **Head of the Department**, Computer Application [No NITRR/DIR/S-1/2018/1766 Raipur Dated 03-09-2018].
52. **Dean (Planning and Development)** [No NITRR/DIR/CIRCULAR/S-1/2019/1895 Raipur Dated 29-08-2019] (2019 to continue).
53. **Chairman / Professor In Charge/ Team Leader** (Venue and Seating arrangements) For Convocation 2013 and 2014
54. **Vice President**, Faculty Association of National Institute of Technology Raipur (2009-2018).
55. **Chairman**, Department Purchase Committee, Civil Engineering Department (2013 to 2016)
56. **Member**, Department Purchase Committee, Civil Engineering Department (2016 to Continue)
57. **Member**, Department Academic Committee, Civil Engineering Department (2016 to Continue)
58. **Chairman**, Board of Studies (2013 to 2016)
59. **Chairman** of Committee regarding Renovation of unit operation lab (No/NITRR/DPD/2017/1596 Raipur Dated 11-10-2017)
60. **Chairman** of the committee to examine and recommend the redesignation of the post of shri Ajai Sharma from Deputy Registrar to Joint Registrar (No NITRR/Estt.Gaz./2018/1221 Dated 20-08-2018)
61. **Member** of the committee to examine and recommend on the case of Dr Sameer Sonkar for promotion/mapping from medical officer to senior medical officer (No NITRR/R-1//2018/62 Dated 20-07-2018)
62. **Member** in the committee to review the performance of Dr Arif Khan, NITRR on his one year service completion (No./NITRR/DIR/S-1/2022/019 Dated on 15-02-2022)
63. **Chairperson** in the committee constituted to interview the candidates for the post of Temporary Faculty/ Teaching Assistant/ Part time Faculty. (No./NITRR/Estt./2023/876 Dated on 14-07-2023)
64. **Overall coordinator** for the Committee for 13th Convocation of NITRR held on 13th may 2023 at Deen Dayal Auditorium (No./NITRR/DIR/2023/043 Dated 17-04-2023)
65. **Member** in the Committee constituted to finalize the Budget for the Year 2024-2025 and to prepare the revise estimate for the current financial year 2023-2024 (No./NITRR/R-I/2023/150 Dated on 10/07/2023)
66. **Chairperson** of the committee to look after the requirements of the Air conditioners of faculty cabin and laboratory at the second floor of the institute. (No./NITRR/R-1/2024/976 Dated 26-03-2024)
67. **Chairperson** of the committee to look into the request submitted by the State Bank of India for renewal of their lease agreement of branch premises in the Institute(No./NITRR/Estt./2024/16-1 Dated 02-05-2024)
68. **Member** in the core committee to relook at the Institutes vision and Mission documents and relook into Institutes Strategic plan (RI-866 Dated on 15-01-2024)

69. **Chairman** of the committee to relook into grievances to MACPs (No NITRR/DIR/S-1/2018/555 Dated 02-01-2018) (2018 to continue)

25. Others Assignments

4. Observer for M.P. P.E.T/P.M.T.
5. Valuation Officer for Chhattisgarh P.E.T. and P.M.T -2002.
6. Paper Setter for Various Universities.
7. Assistant Valuation Officer for Central Valuation R.S.U.Raipur.
8. Member, Counselling Committee for admissions to Engineering Colleges.
9. Member, Department Admission Committee Civil Engineering.
10. Professor In charge Gardens and Water Supply.
11. Examination Invigilation for R S U and Other Examinations.
12. Recognised **Applied DACUM Facilitator** by Canada India Institute-Industry Linkage Project and MHRD New Delhi.
13. Reseach Project Evaluator for Chhattisgarh Council of Science and Technology. (No 494/CGOST Dated 07-06-2007 and No 1404/CGOST Dated 28-02-2008).
14. Team Leader for BALCO Chimney (275 m high) Collapse Investigation.

26. Membership of Professional Bodies

1. **Fellow** Member, Institution of Engineers (India) (**F-116055-5**)
2. **Life Fellow**, Indian Geotechnical Society (**LF-0464**)
3. Life Member, Indian Society for Technical Education. (**LM-16694**)
4. **Life Member, Indian Road Congress (LM-37538)**
5. **Life Member, Indian Concrete Institute (ICI) (LM-9921)**

27. Association with other Universities/ State/ National/ International Bodies

1. **Coordinator**, State Technical Agency for Pradhan Mantri Gram Sadak Yojana. [No 367/Steno-1/PMGSY/2009 Raipur Dated 03-11-2009). (Page No 212)
2. **Expert Member** for recruitment of various positions for **C.S.V. Technical University Bhilai**.
 - a) **Principal** at Chhatrapati Shivaji Institute of Technology Durg (No CSVTU/Interviews/2008/257 Dated 01-02-08)
 - b) **Faculty Members** at M.M. College of Technology Raipur (No CSVTU/Interviews/2008/310 Dated 06-02-08))
 - c) **Faculty Members** at Chhattisgarh Institute of Technology Rajnandgaon (No CSVTU/Interviews/2008/711 Dated 26-03-08)
 - d) **Faculty Members** at Chhattisgarh Institute of Technology Rajnandgaon (No CSVTU/Interviews/2009/1975 Dated 01-09-09))
3. **Advisor** for Interview board of **Staff Selection Commission (Madhya Pradesh Region)**:
 - a) For Recruitment of Junior Engineer Civil in 2004. (D.O.No.-3/3/2004-Exam(MP)/21 Date 7-1-5)
 - b) For Recruitment of Junior Engineer Civil in 2008. (F.No. 3/10/2007-Exam(MRP) /07 Dated 4-2-2009)
 - c) For Recruitment of Junior Engineers (Civil) in 209. (No. 03/6/2008- Exam (MRP) / 4 dated 17-02-10).
4. **Member** of selection committee / interview Board for:
 - a) Contract Lecturer Mathematics (3 years term) for engineering colleges and polytechnics of Chhattisgarh State (No.6055/Contract/TPO/2004 Raipur dated 13-02-2004)
 - b) Contract lecturer, Applied Mechanics N.I.T. Raipur. (NITRR/ Recruitment / 2007/4171 Raipur, dated 08-09-07).
 - c) Lecturers (Civil) on contract basis at N. I. T. Raipur (No. /NITRR/Recruitment /S-42/2007/ 4201 Raipur Dated 11-09-2007).
 - d) Lecturers (Chemistry) on contract basis at N. I. T. Raipur (No. /NITRR/Recruitment /S-79/2008/ 265 Raipur Dated 02-07-2008).
 - e) Contract appointments of Stenographer, Office Assistants and Data Entry Operators N. I. T. Raipur (No. / NITRR/Ordes /S-1/2009/ 16 Raipur Dated 01-04-2009).
 - f) Recruitment of Executive Engineer at N. I. T. Raipur (No. /NITRR/Recruitment /S-79/2008/ 265 Raipur Dated 02-07-2010).
 - g) Senior Laboratory Assistant at N. I. T. Raipur (No. /NITRR/Estt-Gaz/2010/ 1038 Raipur Dated 06-07-2010).
5. **Chairman** of selection Committee for:
 - a) Contract lecturer in Civil Engineering at N.I.T. Raipur (2009.)
 - b) Contract lecturer in Civil Engineering at N.I.T. Raipur (2010).
 - c) Technical Assistant (Civil) (Contract appointment) at N.I.T. Raipur (2010).(No NITRR/R-1/2010/1888 Raipur dated 8-9-10)

6. **Subject Export** for:
 - a) Selection of Junior Engineers & Assistant Engineers (Civil), Chhattisgarh Electricity Board Raipur 2008.
 - b) Selection of Junior Engineers & Assistant Engineers (Civil), Chhattisgarh Electricity Board Raipur 2010 on 22-12-2010. (No. 01-02/HR-VIII/1385 Raipur Dated 16-12-10)
7. **Expert Member** for recruitment of Assistant Professor (Agril. Structure & Process Engineering) at **Indira Gandhi Agriculture University Raipur** (No. Estt. -1/127/2004/134 Raipur Dated 29-05-2004)
8. **Expert Member** for recruitment of **Assistant Directors and Assistant Engineers** by **Chhattisgarh Public Service Commission Raipur**. [No. 202 Raipur Dated 18-07-2005]
9. **Member**, Editorial Board C.S.V.T.U. Research Journal (CSVTU/Journal/06/1090 Date 14-9-2006)
10. **Member**, Evaluation Committee Chhattisgarh Council of Science and Technology (No 494/CCOST dated 7-6-2007 and No 1048/CCOST dated 3-12-2007)
11. **Member**, Board of Studies C.S.V.T.U. Bhilai. (No CSVTU/Acad/07/143 date 07-02-2007)
12. **Member**, Examination Committee, C.S.V.T.U. Bhilai. (No. CSVTU/Exam/2007-08/1153 Bhilai dated 22-08-07)
13. **Member**, Research Progress Review Committee in the Civil Engineering Discipline of C.S.V. Technical University Bhilai. (CSVTU/Ph.D./2010/2431 Bhilai Dated 13-10-2010)
14. **Member**, Committee for Technical Examination of Tender for Recreation Park of **Raipur Development Authority** (No 125/C-2009/13/D.A./ Raipur Dated 5-3-10).
15. **Member**, Board of Studies R.G.P.V. Bhopal for Engineering College Jabalpur. (No./Steno/2010 Jabalpur dated 18-8-2010)
16. **Member**, Building Works Committee of Pandit Ravishankar Shukla University Raipur (No 124/Registrar/2010 Raipur dated 27-07-2010)
17. **Member, State level permanent committee of PMGSY** (No. 181/4493/RC-9 Raipur 06-01-2011 from Additional Secretary, Panchayat and Rural Development Department, Government of Chhattisgarh)
18. **Expert** in the Customer Clinic for Project RoadMaster held in Pune by Mahindra and Mahindra.
19. **Expert** in the Selection Committee constituted for appointment of the Principal at BIT Raipur (Letter No. CSVTU/Acad/2020/347 Dated 10-02-2020) 10-02-2020
20. **Expert** in the Selection Committee constituted for appointment of the Principal at BIT Raipur (Letter No. CSVTU/Acad/2020/347 Dated 10-02-2020) dated 02-07-2021
21. **Advisor** for UPSC New Delhi, CGPSC Raipur and MPPSC Indore (2018-2022)
22. Expert from senate of the Selection Committee for the post of Assitant Professor (Grade I&II) (pay level 10/11/12-7th CPC) of the Department of Civil Engineering in SVNIT Surat (01-09-2023)
23. Board nominee of the institute to the Selection Committee for the post of Executive Engineer Civil (Pay level 10-7th CPC) (04-03-2023)
24. **Member**, Performance Evaluation Committee to monitor the performance of State Quality Monitors (2016 to continue)
25. **Coordinator**, STA Chhattisgarh at NIT Raipur for Pradhan Mantri Gram Sadak Yojna (2013 to continue)
26. **Government Industry Partnership Program** : During the tenure as Deputy Secretary to Government of Chhattisgarh; Instrumental in starting Government Industry Partnership Program in state. In the first step I.T.I. Bhansi (in Baster Region) has been handed over to M/s Esar Steels to start new regular/ vocational courses as per demand of the regional steel and mining industries.
27. Service Rules prepared : 4 Nos
28. Departmental Setup prepared : 02 Nos
29. Association with other Universities/ State/ National/ International Bodies : 50 nos
30. Advisor for UPSC New Delhi, CGPSC Raipur and MPPSC Indore etc. : > 50 Assignments

28. Other informations

1. Recognized **Applied DACUM Facilitator** by Canada India Institute-Industry Linkage Project and MHRD New Delhi.
2. Team Leader for **BALCO Chimney (275 m high) Collapse Investigation**.
3. Earlier Selections:
 1. Engineer SC (BHABHA RESEARCH CENTRE BOMBAY), Government of India Department of Atomic Energy, Construction & Services Group. (No C& SG/A/2/6/3944 Date July 18, 1989. **PRINCIPAL** Government Polytechnic M.P. by M. P. Public Service Commission Indore in **2006**.

29. Details of Foreign Visits (for paper presentation and Session Chair)

1. 3rd International conference on Structure and Civil Engineering Research (**ICSCER 2019**) at Czech Technical University in Prague. 26th to 28th June 2019. Prague (Czech Republic).
2. 5th International Conference on Chemical, Materials, Mining and Manufacturing Engineering (CM3E-17-Bali) held on October 10-11. Oct 2017. Bali Indonesia.
3. International Conference on Green Buildings, Civil and Architectural Engineering (ICGBCAE 2016) at Dubai

- (UAE) from 09 to 10 October 2016 organised by Universal Researchers in Science and Technology, Dubai .
4. 5th International Conference on Key Engineering Materials (ICKEM 2015) 21-23 March 2015 Singapore.
 5. 4th International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM 2015) at Kuala Lumpur from 08 to 09 December 2015 organised by International Institute of Engineers Kuala Lumpur, Malaysia.
 6. International Conference on Chemical, Biological and Environment Sciences (ICCBES 2014) at Pattaya from 15 to 16 Dec 2014 organised by Planetary Scientific Research Centre Pattaya Thailand.
 7. Geo Congress 2014. 23rd to 26th Feb 2014, Atlanta, Georgia (USA).
 8. International Conference on Emerging Trends in Engineering and Technology ICETET 2013 at Phuket from 7th to 8th Dec 2013 organized by International Institute of Engineers. Phuket Thailand.
 9. Advances in Engineering and Technology Convergece, 28th April 2013 Bangkok Thailand.

30. Consultancy Projects successfully completed.

- Total no of consultancy projects successfully completed : more than 370 Nos.
- Total amount of consutancy work successfully completed : more than Rs: 800 lacs
- Maximum single Project Consultancy Amount of : Rs 47.2 Lacs.
- **Five** project of consultancy amount more than **30.00 Lacs**
- **Nine** project of Consultancy amount more than **16.00 Lacs**
- **Seventeen** projects of consultancy amount more than **10.00 Lacs**