



Dr. P. Poluraju

Professor



Education Qualifications: Doctor of Philosophy (Civil Engineering)
Specialization: Structural Engineering

ADDRESS:

- E – Block -Room No: GF
Faculty Room

JNTUH ID:

EMAIL:

ppoluraju_civil@mgit.ac.in

DATE OF JOINING:

08-09-2025

EXPERIENCE – 16.5 Years

- Teaching – 13
- Research – 3.5
- Industry -1
- Others –

SUMMARY:

- Publications - 75
- Conferences - 07
- Patents – 10
- Books – 2
- Honors/Awards - 3

EVENTS:

- Organized - 32
- Attended - 31

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- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGITHyderabad>

Membership of Professional Bodies:

- Life Member of Indian Concrete Institute (ICI): LM-12202.
- Senior Member of IRED: SM: SNM20210510036
- Senior Member of ISRD: SM: SR4150900463
- Member of IAENG: MN:286415

Responsibilities Held at Department Level:

- Consultancy Coordinator from September 2025
- M.Tech Dissertation Review Member

Research Guidance:

- Five Ph.D. Degrees Awarded
- Two Full Time Scholars are in Thesis Submission Stage
- Six are Ongoing

Honors/Awards Received:

- Secured 2nd Rank in B.E Civil from Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra, India, 2006.
- Financial assistance under “Assistance to Professional Bodies & Seminar / Symposia Scheme” has been sanctioned by **SCIENCE & ENGINEERING RESEARCH BOARD (SERB)** about **Rs. 1, 50,000/-** as partial grant-in-aid to the recommended application titled “International Conference on Earthquake Engineering and Sustainable Construction Technologies (ICEESCT-2019)”.
- Indian Excellency Awardee from “Indian Book of Records” – Indian World Record, March 2021.

Courses Handled at Under Graduate /Post Graduate Level:

- UG:** Design of Concrete Structures, Strength of Materials, Earthquake Resistant Structures, Advanced Transportation Engineering, Surveying, Design of Concrete Structures-I, Design of Concrete Structures-II, Transportation Engineering-II, Building Planning and Construction Management, Advanced Structural Analysis, Structural Analysis, Engineering Mechanics-I, Engineering Mechanics-II, Computer Applications in Civil Engineering Lab-II, Introduction to Civil Engineering, Solid Mechanics,
- PG:** Repair and Rehabilitation of Structures, Design of Tall Structures, Bridge Engineering, Finite Element Analysis, Structural Dynamics, Pre-Engineered Buildings

Publications:

Referred International/National Journal Papers (Science Citation Index-SCI/Science Citation Index Expanded-SCIE/ Emerging Sources Citation Index-ESCI/Web of Science (WoS))

- Elizah, A., Pokharel, U., and Poluraju, P., “Performance of structurally deficient blended RC beam” Research on Engineering Structures and Materials, Vol. 11, No. 1, pp. 1139-1152, 2025. **(Impact Factor – 0.25) – Q3**
- Krishna Vamsi, P., Poluraju, P., “Structural Performance of Multi-Storied Buildings with Time History Analysis Using Fluid Viscous Damper” ARPN Journal of Engineering and Applied Sciences, 2025 (Accepted in July 2025). **(Impact Factor – 0.15) – Q4**
- Krishna Vamsi, P., Poluraju, P., “Structural Behaviour of Multi-Storied



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- Buildings with Response Spectrum Analysis Using Fluid Viscous Damper” ARPN Journal of Engineering and Applied Sciences, 2025 (Accepted in July 2025). **(Impact Factor – 0.15) – Q4**
4. Sreenivasa Prasad Joshi., Poluraju, P., “Numerical Investigation on Shear Resistance of RC Beams with Dowel Action Under General Loading” ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol. 67, No. 1, pp. 69-80, 2024. **(Impact Factor – 0.2) - (Q4)-ESCI**
 5. Mayank, T., Poluraju, P., and Paveen, P. “Numerical Investigation on Structural Behavior of RC Beam-Column Joints: Beam Weak in Shear” Journal of Polymer & Composites (STM Journals), 2024. **(Impact Factor – 6.005) - ESCI**
 6. Mayank, T., Poluraju, P., and Paveen, P. “Investigation on Structural Behavior of RC Beam Column Joints: State-of-The-Art” Journal of Polymer & Composites (STM Journals), Vol. 12, Sp. No. 2, pp. S40-S68, 2024. **(Impact Factor – 6.005) -ESCI**
 7. Sangeetha, V. and Poluraju, P., “Review paper on concrete mix design optimization using machine learning based algorithm” Journal of Polymer & Composites (STM Journals), 2024. **(Impact Factor – 6.005) -ESCI**
 8. Praveen, P. and Poluraju, P., “A Comprehensive Survey of Structural Applications for Concrete-Filled Steel Tubes” Journal of Polymer & Composites (STM Journals), Vol. 11, Sp. No. 8, pp. S184-S196, 2023. **(Impact Factor – 6.005) -ESCI**
 9. Lakshmikanth, L. and Poluraju, P., “Structural Behaviour of Voided Flat Slab with Various Void Ratios Under Vertical Loading” Civil and Environmental Engineering, Vol. 19, No. 1, pp. 301-317, 2023. **(Impact Factor – 1.2) - (Q3) -ESCI**
 10. Dattatreya Kumar, A., Poluraju, P. and Hanuma, K. “Experimental Investigation on Mechanical Properties of Lightweight Aggregate Concrete” Civil and Environmental Engineering, Vol. 18, No. 2, pp. 666-677, 2022. **(Impact Factor – 1.2) - (Q3) -ESCI**
 11. Sreenivasa Prasad Joshi., Poluraju, P., Umesh K. Singh. “Analysis of Dowel Action in Reinforced Concrete Beams with Shear Reinforcement” Civil and Environmental Engineering, Vol. 17, No. 2, pp. 644-653, 2021. **(Impact Factor – 1.2) - (Q3) -ESCI**
 12. Sreenivasa Prasad Joshi., Poluraju, P., Umesh K Singh. “Evaluation on Dowel Force of Flexural reinforcement with Shear Reinforcement Provided Under Four Point Bending Load” KSCE Journal of Civil Engineering, Vol. 25, No. 6, pp. 2143 – 2150, March 2021. **(Impact Factor – 2.3) - (Q2)-SCIE**
 13. Sri Harsha, G., Poluraju, P. and Veerendra Kumar C. K., “Computation of shear strength equation for shear deformation of reinforced concrete deep beams using finite element method,” AIMS Materials Science, Vol. 8, No. 1, pp. 42-61, February 2021. **(Impact Factor – 1.8) - (Q3) -ESCI**
 14. Sri Harsha, G. and Poluraju, P., “Modified Strut & Tie Method and Truss Reinforcement for Shear Strengthening of Reinforced Concrete Deep Beams,” International Journal of Technology (IJTECH), Vol. 12, No. 1, pp. 65-77, January 2021. **(Impact Factor – 1.395) (Q1) -ESCI**
 15. Appa Rao, G. and Poluraju, P., “Cyclic Behaviour of Precast Reinforced Concrete Sandwich Slender Walls,” Structures-Elsevier, Vol. 28, pp. 80–92, August 2020. **(Impact Factor – 3.9) - (Q1) - SCIE**
 16. Lingeswaran, N. and Poluraju, P., “Experimental Study on Seismic Performance of Bed Joint Reinforced Solid Brick Masonry Walls,” Journal of Environmental Protection and Ecology, Vol. 21, No. 03, pp. 830–839, May 2020. **(Impact Factor - 0.692) - (Q3) - SCIE**
 17. Poorna Chandra Rao Yarramsetty, Vamshikrishna Domala, Poluraju, P., and Sharma, R. (2019) “A study on response analysis of submerged floating tunnel with linear and nonlinear cables,” Ocean Systems Engineering (OSE), Vol. 9, No. 03, pp. 219-240, September 2019. **(Impact Factor - 1.05) - (Q2) -ESCI**
 18. Poluraju, P. and Appa Rao, G., “Performance of squat 3Dsandwichwall with longitudinal reinforcement and boundary elements under lateral cyclic loading,” Journal of Sandwich Structures and Materials, SAGE Journals, DOI:



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10.1177/1099636216682546, 2017, Vol. 20, No. 8, pp. 946-973, October 2018. **(Impact Factor - 5.015) - (Q1) - SCIE**

19. A. M. Choudhury, P. Poluraju, A. Dutta and S. K. Deb, "Effective retrofitting of plain concrete elements using externally bonded fiber reinforced polymer", Journal of Structural Engineering, Vol. 39, No. 6, 2013.

Referred International/National Journal Papers (Scopus)

1. Sri Harsha, G., Poluraju, P., Hemanth Kumar, T. and Subbarao, G. "Finite element simulation on the effect of steel bars in concrete beams with & without web openings," Materials Today: Proceedings-Elsevier, February 2023. **(Impact Factor – 2.59) - (Q2)**
2. Joshi Sreenivasa Prasad and Poluraju, P., "Experimental investigation on M50 grade concrete beams with influence of aggregate interlocking and dowel action under flexural loading," Materials Today: Proceedings-Elsevier, Vol. 33, pp. 1158–1164, October 2020. **(Impact Factor - 2.59) - (Q2)**
3. Lingeswaran, N. and Poluraju, P., "Analytical Study on Seismic Performance of Bed Joint Reinforced Solid Brick Masonry Walls," Materials Today: Proceedings-Elsevier, Vol. 33, pp. 136–141, August 2020. **(Impact Factor - 2.59) - (Q2)**
4. Lingeswaran, N. and Poluraju, P., "Experimental Study on Seismic Performance of Bed Joint Reinforced Solid Brick Masonry Walls," Journal of Critical Reviews, Vol. 21, No. 03, pp. 2282-2287, May 2020. **(Impact Factor - 1.091)**
5. Vennam Swathi, Asadi, S.S. and Poluraju, P., "An Integrated Methodology for Structural Performance of High-Volume Fly Ash Concrete Beams using Hybrid Fibers," Materials Today: Proceedings- Elsevier, Vol. 27, No. 02, pp. 1630-1635, March 2020. - **(Impact Factor - 2.59) - (Q2)**
6. Muppalla Venkata Sai Surya Pratap Chowdary, Asadi, S.S. and Poluraju, P., "Design and Development of High Performance Based Engineered Cementitious Composite Eco-friendly Beams Preparation: An Integrated Approach," Materials Today: Proceedings- Elsevier, Vol. 27, pp. 1299–1303, February 2020. **(Impact Factor - 2.59) - (Q2)**
7. Muppalla Venkata Sai Surya Pratap Chowdary, Asadi, S.S. and Poluraju, P., "Impact of materials on characteristics of Engineered Cementitious Composite at Elevated Temperatures," Materials Today: Proceedings-Elsevier, Vol. 27, pp. 1389–1393, February 2020. **(Impact Factor - 2.59) - (Q2)**
8. Muppalla Venkata Sai Surya Pratap Chowdary, Poluraju, P., Suresh Babu, T. and Asadi, S.S. (2019) "An Integrated Evaluation of Manufactured Sand and Metakaolin Impacts on Concrete Properties," International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, No. 12, pp. 188-192, October 2019. **(Impact Factor – 1.0) - (Q2)**
9. Vijaya Kumar, P. and Poluraju, P., "Retrofitting of Flexural Deficient Beams Using CFRP," International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 6-11, April 2019. **(Impact Factor – 1.0)**
10. Ravali, B. and Poluraju, P., "Seismic Analysis of Industrial Structure Using Bracings and Dampers," International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 22-26, April 2019. **(Impact Factor – 1.0)**
11. Amreen, Sk. and Poluraju, P., "Investigation on Steel Fiber Composite Beam Using Fracture Mechanics Approach," International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 27-31, April 2019. **(Impact Factor – 1.0)**
12. Kumar Swamy, K. and Poluraju, P., "Experimental Behavior of Beams with Aggregate Interlocking Under Flexure," International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 32-36, April 2019. **(Impact Factor – 1.0)**
13. Sai Tejaswi, N. and Poluraju, P., "Behavior of Composite Cellular Beam Under Flexure," International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No 6c2, pp. 37-41, April 2019. **(Impact Factor – 1.0)**
14. Praneet Sai Kumar, P., and Poluraju, P., "Development of Shear Strength Expression for RC Deep Beams Using Strut-and-Tie Model," International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp.



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- 56-61, April 2019. **(Impact Factor – 1.0)**
- Gopi Raju, B. and Poluraju, P., “Numerical Study of Bubble Deck Slab Using ANSYS,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 68-72, April 2019. **(Impact Factor – 1.0)**
- Jakeer Hussain, SD. and Poluraju, P., “Experimental Investigation on Evaluation of Minimum Flexural Reinforcement in RC Beams,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 79-84, April 2019. **(Impact Factor – 1.0)**
- Chinni Divya, R., Poluraju, P. and Leon Raj, J., “Study on Influencing Parameters of Strength of Pervious Concrete,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 323-328, April 2019. **(Impact Factor – 1.0)**
- Sreenivasa Prasad, J. and Poluraju, P., “Effect of Aggregate Interlocking and Dowel action of Beams under Flexural Loading-A Literature Review,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 366-369, April 2019. **(Impact Factor – 1.0)**
- Pavan Kumar, G. and Poluraju, P., “Experimental Study on Minimum Tension Reinforcement for Sandwich Slab under Punching Shear,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 502-507, April 2019. **(Impact Factor – 1.0)**
- Sri Harsha, G. and Poluraju, P., “Shear Strength of Deep Beams: A State of Art,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 532-535, April 2019. **(Impact Factor – 1.0)**
- Lingeshwaran, N. and Poluraju, P., “Experimental Analysis of Seismic Performance on bed Joint Reinforced Solid Brick Masonry Walls –A State of the Art,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 536-540, April 2019. **(Impact Factor – 1.0)**
- Madhavi, E. and Poluraju, P., “Investigation on Structural Performance of RC Beams with Crack Mouth Opening Displacement: A Review,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 643-646, April 2019. **(Impact Factor – 1.0)**
- Divya Bhavana, T. and Poluraju, P., “Investigation on Structural Performance of Pervious Concrete with Epoxy Coated Rebar’s: A Review,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 647-648, April 2019. **(Impact Factor – 1.0)**
- Monika Sri, S., Poluraju, P., and Sanjay Deori, “Numerical Analysis of 3D Sandwich Walls under Blast Loading,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 799-803, April 2019. **(Impact Factor – 1.0)**
- Lakshmikanth, L. and Poluraju, P., “Performance of Structural Behaviour of Bubble Deck Slab: A Review,” International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, No. 6c2, pp. 647-648, April 2019. **(Impact Factor – 1.0)**
- Mounica, K. and Poluraju, P., “Numerical and Experimental Study on RC Exterior Beam-Column Joint with Beam Weak in Flexure,” International Journal of Engineering & Technology (IJET), Vol. 7, No. 2.20, pp. 313-330, August 2018. **(Impact Factor - 0.21)**
- Qudhan, SK. and Poluraju, P., “Strengthening of Reinforced Concrete Beams Weak in Shear Using GFRP,” International Journal of Engineering & Technology (IJET), Vol. 7, No. 2.20, pp. 306-312, August 2018. **(Impact Factor – 0.21)**
- Mounika, M. and Poluraju, P., “Investigation of Beam Column Joint with Beam Weak in Shear under Monotonic Loading,” International Journal of Engineering & Technology (IJET), Vol. 7, No. 2.20, pp. 182-188, May 2018. **(Impact Factor – 0.21)**
- Naga Sai Sravya, K. and Poluraju, P., “Pushover Analysis on Reinforced Concrete Framed Multilevel Car Parking Building Using ETABS,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 9, No. 5, pp. 1170-1176, May 2018. **(Impact Factor – 0.77)**
- Usha, M. and Poluraju, P., “Comparing IS code specified flexural strength of concrete with split tensile strength by conducting test on cubes,” International



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- Journal of Engineering & Technology (IJET), Vol. 7, No. 2.1, pp. 51–53, March 2018. **(Impact Factor – 0.21)**
31. Appa Rao, G. and Poluraju, P., “Influence of longitudinal rebars and boundary elements on the performance of 3D sandwich walls in direct compression,” Journal of Structural Engineering (JOSE) SERC, Vol. 44, No. 1, pp. 1-13, April-May 2017. **(Impact Factor – 0.11) - (Q4)**
 32. Ghouse Basha, S. and Poluraju, P., “Comparative Study on Effect of Steel and Glass Fibers on Compressive and Flexural Strength of Concrete,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 141–155, April 2017. **(Impact Factor – 0.77)**
 33. Sarath Chandra Kumar, B1., and Ramesh, K2. and Poluraju, P., “An Experimental Investigation on Flexural Behavior of GGBS And Metakaolin Based Geopolymer Concrete,” ARPN Journal of Engineering and Applied Sciences, Vol. 12, No. 7, pp. 2052–2062, April 2017. **(Impact Factor – 0.52) - (Q3)**
 34. Sri Bhavana, R. and Poluraju, P., “Experimental Study on Bacterial Concrete with Partial Replacement of Cement by Fly Ash,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 201–209, April 2017. **(Impact Factor – 0.77)**
 35. Lalitha Chandras, B. and Poluraju, P., “Behaviour of Soft Storey RC Framed Building under Seismic Loading,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 265–277, April 2017. **(Impact Factor – 0.77)**
 36. Mani Deep, V. and Poluraju, P., “Pushover Analysis of RC Building: Comparative Study on Seismic Zones of India,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 567–578, April 2017. **(Impact Factor – 0.77)**
 37. Rohit Ranjan Singh and Poluraju, P., “Performance Based Seismic Design of RC Framed Building,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 401–412, April 2017. **(Impact Factor – 0.77)**
 38. Yash Kumar, K.J., Naga Sri Nikhil, V. and Poluraju, P., “Analysis of a Commercial Building Using ETABS,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 1438–1444, April 2017. **(Impact Factor – 0.77)**
 39. Koteswara Rao, Ch., Poluraju, P. and Naga Seshu Babu, T., “Comparative Study on Analysis of Plain and RC Beam Using Abaqus,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 1531–1538, April 2017. **(Impact Factor – 0.77)**
 40. Harish Kumar, K. and Poluraju, P., “Comparative Study on Flexural Behaviour of Lightweight Aggregate RC Beams,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 1546–1561, April 2017. **(Impact Factor – 0.77)**
 41. Manohar, V. and Poluraju, P., “Comparative Study on Compressive Strength of Fly Ash Concrete,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 1668–1676, April 2017. **(Impact Factor – 0.77)**
 42. Sai Sri, S., Asadi, S.S., Poluraju, P. and Sathish Chandra, D., “Creation of an integrated optimal urban drainage network planning and analysis of chambered sewage treatment plant: A model study from part of Vijayawada, AP,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 4, pp. 1086 - 1098, 2017. **(Impact Factor – 0.77)**
 43. Sayyad, K.B., Venkata Sarath, P. and Poluraju, P., “Comparative study on compressive and flexural strength of steel fiber reinforced concrete (SFRC) using fly ash,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 3, pp. 1094–1102, March 2017. **(Impact Factor – 0.77)**
 44. Naga Moulika, D., Reshma, V. and Poluraju, P., “Modelling and Analysis of Reinforced Concrete Beam Under Flexure Using Ansys,” International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 3, pp. 1103–1111, March 2017. **(Impact Factor – 0.77)**
 45. Poluraju, P. and Appa Rao, G., “Seismic Behaviour of precast reinforced concrete Beam-Column Connections: A Literature Review,” Applied Mechanics



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and Materials, Trans Tech Publications, Switzerland, doi:10.4028/AMM.343.9, Vol. 343, pp.9-13, 2013. **(Impact Factor – 0.37)**

Referred International/National Journal Papers (UGC Approved)

1. Poluraju, P. and Appa Rao, G., “Behaviour of 3D-panels for structural applications under general loading: A State-of-the-art,” International Journal of Research in Engineering and Technology (IJRET), Vol. 03, Sp. No. 16, pp. 173-181, December 2014. **(Impact Factor – 0.35)**
2. Naga Sujani, S1., Phanisha, K1., Mohana Rupa, N1., Sunita Sarkar1 and Poluraju, P2., “Comparison of Behavior of a Multi-Storey Building Situated in Zone II and Zone V Using Pushover Analysis by SAP 2000,” International Journal of Emerging trends in Engineering and Development, Vol.2, No. 2, pp. 480-487, March 2012. **(Impact Factor – 4.364)**
3. Naga Sujani, S*, Phanisha, K*, Mohana Rupa, N*, Sunita Sarkar*, Nageswari, M* and Poluraju, P**, “Determination of Performance Level of G+5 Building Situated in Zone III Using Pushover Analysis by SAP 2000,” International Journal of Engineering Research and Applications (IJERA), Vol.2, No. 2, pp.832-837, March-April 2012. **(Impact Factor – 2.105)**
4. Dorji, K1., Tharchen1, Parsuram Rai1, Wangchuk, T1. and Poluraju, P2., “Justifying Optimum Column section for Reinforced Concrete Structures – Economic Analysis” International Journal of Emerging trends in Engineering and Development, Vol.3, No. 2, pp.197-204, April 2012. **(Impact Factor – 4.364)**
5. Poluraju, P*, Kinleydorji**, Parsuram Rai**, Tshering Wangchuk** and Tharchen**, “Economic Design of Concrete Structure through Judicious Selection of Materials at the Early Stage of Design Phase,” International Journal of Earth Sciences and Engineering, Vol. 5, No. 2, pp. 358-362, April 2012. **(Impact Factor – 0.042)**
6. Pavan Kumar Rayaprolu, V.S.R.1 and Poluraju, P.2, “Incorporation of various seismic retrofitting techniques and materials for RC framed building using SAP2000,” International Journal of Emerging trends in Engineering and Development, Vol. 3, No. 2, pp. 260-266, April 2012. **(Impact Factor – 4.364)**
7. Pavan Kumar Rayaprolu, V.S.R.1 and Poluraju, P.2, “Incorporation of Cow dung ash to mortar and concrete” International Journal of Engineering Research and Applications (IJERA) Vol. 2, No. 3, pp. 580-585, May-June 2012. **(Impact Factor – 2.105)**
8. Sonipriya, K.,1 Durgabhavani, T.,1 Sriraman Chowdary.D.,1 Veerendra, Ch.1 and Poluraju, P.2, “Modal Analysis of Flat slab building by using SAP 2000” International Journal of Advanced Scientific Research and Technology, Vol. 2, No. 2, pp. 173-180, April 2012. **(Impact Factor – 0.41)**
9. Sonipriya, K., * Durgabhavani, T., * Mounica, K., * Nageswari, M.* and P. Poluraju, P.**, “Non-Linear Pushover Analysis of Flat Slab Building by using SAP 2000” International Journal of Recent Technology and Engineering (IJRTE) Vol.1, No.1, pp. 29-33, April 2012. **(Impact Factor – 1.0)**
10. Poluraju, P., Tharun, D. and Madhu Bala, C.V., “Experimental Evaluation of Retrofitted Concrete Beams Using CFRP and GFRP” International Journal of Earth Sciences and Engineering, Vol.4, No.6 SPL, pp. 812-818, October 2011. **(Impact Factor – 0.042)**
11. Poluraju, P. and Nageswara Rao, P.V.S., “Pushover analysis of reinforced concrete frame structure using SAP 2000” International Journal of Earth Sciences and Engineering, Vol. 04, No. 06 SPL, pp. 684-690, October 2011. **(Impact Factor – 0.042)**

Conferences:

1. Poluraju, P. and Usha, M., “Evaluation of Code IS 456 Specified Flexure Strength of Concrete, In: Proceedings of 2nd International Conference on INNOVATIONS IN STRUCTURAL ENGINEERING (IC-ISE-2017), Osmania University, Hyderabad, December 29th – 31st, 2017.
2. Poluraju, P. and Appa Rao, G., “Prediction of Strength of 3D Sandwich Walls under General Loading: A Review, In: Proceedings of 10th Structural Engineering Convention (SEC 2016), CSIR-SERC Campus, Taramani, Chennai, pp. 716-721, December 21st – 23rd, 2016.



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SUMMARY:

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3. Poluraju, P. and Appa Rao, G., “Sandwich 3D panel system: Construction practices and experimental investigations” In: Proceedings of 7th Asia Pacific Young Researchers and Graduates Symposium (YRGS 2015) “Innovations in Materials and Structural Engineering Practices”, Kuala Lumpur, Malaysia, pp. 231-240, August 20th-21st, 2015.
4. Poluraju, P. and Appa Rao, G., “Influence of longitudinal reinforcement and stiffeners on strength and behaviour of 3D wall panels under axial compression” In: Proceedings of Sixth Jordan International Civil Engineering Conference (JICECo6), Amman, Jordan, pp. 69-70, March 10th – 12th, 2015.
5. Poluraju, P. and Appa Rao, G., “Behaviour of 3D-panels for structural applications under general loading: A State-of-the-art” In: Proceedings of International Conference on Professional Engineers: Challenges in Disaster Management (ICPECDM'14), Gitam University, Visakhapatnam, India, December 18th – 19th, 2014.
6. Poluraju, P. and Appa Rao, G., “Seismic behaviour of precast reinforced concrete Beam-Column Connections: A Literature Review” In: Proceedings of 2nd International Conference on Sustainable Construction Materials and Computer Engineering (ICSCMCE 2013), Singapore, June 1st-2nd, 2013.
7. Poluraju, P., “Retrofitting of RC Beam-Column Joint Using FRP” Proceedings of National Seminar & Exhibition on Recent Developments in Repair, Rehabilitation and Retrofitting, organized by Association of Consulting Civil Engineers (India) Bangalore Centre, Vol. 01, pp 1-11, February 22nd - 24th, 2012.

Patents:

1. Suseela, A., Asadi, S.S. and Poluraju, P., “Utilization of Snail Shells for Enhancement of Mechanical Properties of Cement Through Reduction of Impacts on Environment”, OFFICIAL JOURNAL OF THE PATENT OFFICE, The Patent Office Journal No. 07/2021 Dated 12/02/2021, pp. 6817, Application No.202141004905 A, Publication Date: 12/02/2021.
2. Prasad, Joshi Sreenivasa, Poluraju, Palleboina “Evaluation on Dowel Force of Flexural Reinforcement with Shear Reinforcement”, In accordance with section 44(1) of the Patents Act, No. 57 of 1978, Patent Office No. 2022/01776 Dated 25/05/2022, Application No.2022/01776, Publication Date: 25/05/2022.
3. Lakshmikanth, L., Poluraju, P., and Sumit Kumar Behera “A novel method to prepare reinforced concrete voided slabs with replacement of concrete present in the tension zone”, OFFICIAL JOURNAL OF THE PATENT OFFICE, The Patent Office Journal No. 24/2022 Dated 17/06/2022, pp. 37164, Application No.202241030735 A, Publication Date: 17/06/2022.
4. Pawar Praveen, Poluraju, P., “A Novel Method to Prepare High Strength Concrete Filled Steel Tubes Under Axial Compression”, OFFICIAL JOURNAL OF THE PATENT OFFICE, The Patent Office Journal No. 01/2024 Dated 05/01/2024, pp. 1240, Application No. 202341084153 A, Publication Date: 05/01/2024.
5. Sangeetha, V., Poluraju, P., “Artificial Neural Network Based Optimization of Concrete Mix Design”, OFFICIAL JOURNAL OF THE PATENT OFFICE, The Patent Office Journal No. 24/2024 Dated 13/12/2024, pp. 1240, Application No.202441097218 A, Publication Date: 13/12/2024.
6. Babji Malineni, Dr. Palleboina Poluraju, Devendra Dohare, Dr. Monika Dagliya, Dr. Rewa Bochara, Lavanya, S.A., Prof. Smita Panda, Dr. Prabir Chandra Padhy, Dr. C. Venkata Siva Rama Prasad, M. Dattatreya Goud, “AI BASED DIGITAL REBOUND HAMMER FOR CONSTRUCTION INDUSTRY” Application Number: 455974-001, CBR Number: 208374, CBR Date: 20/04/2025.
7. Dr. Anjan Kumar Dutta, Babji Malineni, Dr. Suvvari Siva Gowri Prasad, Sourabh Paul, Dr. Ajim Shabbir Sutar, Dr. Palleboina Poluraju, Dorella Nagaraju, Korrapati Pratyusha, Dr. Chakali Venkata Siva Rama Prasad, Dr. Golla Sree Lakshmi Devi, “AI BASED 3D CONCRETE PRINTING MACHINE FOR CONSTRUCTION” Design number: 6435969, Grant date: 14 April 2025.
8. Babji Malineni, Dr. Palleboina Poluraju, Alok Rathore, Dr. Yashwanth Mallipatna Kumar, Rahul Maruthi, Riyaz Syed, Nandan Narayan Shenoy,



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Nadigatla Naveen Kumar, Dr. Chakali Venkata Siva Rama Prasad, Ahmad Alyaseen, “AI BASED CONCRETE MOISTURE DETECTION DEVICE” Design number: 6438661, Grant date: 29 April 2025.

9. Babji Malineni, Dr. Pallobina Poluraju, Devendra Dohare, Abdul Ahad, Dr. Shanmukh Malineni, Vipul Pravinbhai Solanki, Jigar Maheshbhai Patel, Mukesh P Shah, C. Venkata Siva Rama Prasad, Vishwanadh Mandala, “AI BASED DRONE FOR CONSTRUCTION SITE INSPECTION” Application Number: 458043-001, CBR Number: 209827, CBR Date: 08/05/2025.
10. Devendra Kumar Sharma, Babji Malineni, Dr. Pallobina Poluraju, Dr. Nityanand S. Kudachimath, Sujeet Patil, Sandeepan Saha, Dr. Ravikant Siddheshwar Sathe, Rajbansi S Kognole, C. Venkata Siva Rama Prasad, Dr. Anjana Sahu “AI BASED CONCRETE CORE CUTTER IN CONSTRUCTION INDUSTRY” Application Number: 458046-001, CBR Number: 209831, CBR Date: 08/05/2025.

Research & Consultancy:

1. Investigation of Chaitanya College Building Gollapudi including Drawings
2. Site Inspection of Structural Failure and Collapsed Pre-Engineered Building @ Krishna Rao Palem, Krishna Dist. Andhra Pradesh, India.
3. Site Inspection of Two Span Desk Slab Bridge Constructed around 40 to 50 years ago across the Canal for investigation and assessment @ Jayapuram Village, Eluru, West Godavari Dist. Andhra Pradesh, India.
4. Structural Stability Certification on Concrete Members of Over Head Intz Type Water Tank” at Uddandarayunipalem Village, Tulluru Mandal, Guntur (Dt.), Andhra Pradesh, India.
5. Site Inspection of Ram’s Sneha Avenue Apartment for Issue the Structural Stability Certificate @ Kunchanapalli, Tadepalli Mandal, Guntur Dist., Andhra Pradesh, India.
6. Site Inspection, Investigation and Verification/Vetting of Proposed Structural Steel Frame with Steel Girders, Steel Joists, Deck Sheet and Concrete Slab Design for overlay of Load Bearing Structure Constructed in the year 1923 using Red Bricks Masonry with Surkhi Mortar, Digavalli Village, Nuziveedu, Krishna Dist., Andhra Pradesh, India.
7. Site Visit & Inspection & Investigation & Technical Discussion & Initial Structural Drawings Preparation & Retrofitting Scheme & Preparation for Approval & Technical Reports Preparations for Structural Clarifications
8. Site Visit & Inspection & Design of Structural Details of Truss Structure & Drawings of Fabrication Details of Truss and Purlins & Site visits during construction of truss structure on client request
9. Vetting of structural design details and drawings and issuing of verification report for Function Hall Building @ BRICK and MORTAR, 4th Floor, D. No: 2-101/1-402, Crossfield Meadows, APCPDCL, Nallakunta Sub Station Road, Near DS Misra Dabha @ Gollapudi, Vijayawada, NTR Dist., Andhra Pradesh-521225, India.
10. Structural Designs & Drawings for Duplex House & Detailed and Abstract Estimation of the Building @ Gannavaram, Krishna (Dt.), Andhra Pradesh.
11. Structural Design and Details of KFC Building (PEB Structure) at Enikepadu, Vijayawada.

No. of Books/Chapter Published with details:

1. AI Applications in Civil Engineering, Aqua Publications, ISBN: -978-81-991476-9-0.
2. AI in Indian Construction Industry, Aqua Publications.

Events Organized:

Conferences:

1. Organized as Convener for “International Conference on Advances in Civil Engineering (ICACE-2019) in Civil Engineering Department, KLEF, 21st – 23rd March 2019.
2. Organized as CONVENER for 3rd International Conference on “Advances in Civil Engineering” organized by Department of Civil Engineering, KLEF in



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association with ICI-KLU Student Chapter, 25th & 26th June 2021.

3. Organized as CONVENER for National Level Technical Quiz on “Concrete Technology” in lieu of Engineer’s Day (15th September) organized by Department of Civil Engineering, KLEF in association with ICI-KLU Student Chapter, 15th September 2021.
4. Organized as CONVENER for International Conference on “International Conference on Advances in Sustainable Construction Materials” organized by Department of Civil Engineering, KLEF in association with ICI-KLU Student Chapter, 18th & 19th March 2022.
5. Organized as CONVENER for 2nd International Conference on “International Conference on Advances in Sustainable Construction Materials” organized by Department of Civil Engineering, KLEF in association with ICI-KLU Student Chapter, 1st & 2nd December 2023.
6. Organized as CONVENER for 4th International Conference on “Advances in Civil Engineering” organized by Department of Civil Engineering, KLEF in association with ICI-KLU Student Chapter, 22nd & 23rd March 2024.

FDPs/STTPs:

1. Organized as Coordinator for Faculty Development Programme on Pre-Engineered Buildings Design Methodology and Limit State Design Application, 17th June – 20th June 2020 Under AICTE MARGDARSHAN in Civil Engineering Department, VRSEC, Vijayawada, Andhra Pradesh.
2. Organized as FACULTY COORDINATOR for One Week Short Term Training Program (STTP) on “Recent Advances in Forensic Analysis of Sub and Super Structures”, in Civil Engineering Department at V R Siddhartha Engineering College, Kanuru, Krishna (Dist.), 29th June - 4th July 2020.
3. Organized as CO-CONVENER for Six Day Faculty Development Program on “Advanced Applications of Structural Concrete in Civil Engineering” in Association with ICI-KLU Student Chapter” at Civil Engineering Department, KLEF, Vaddeswaram, Guntur (Dist.), 7th – 12th June 2021.
4. Organized as Chair for One Week Faculty Development Program on “Sustainable Construction Practices” in Association with ICI-KLU Student Chapter” at Civil Engineering Department, KLEF, Vaddeswaram, Guntur (Dist.), 5th – 10th August 2024.

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. Organized as FACULTY COORDINATOR for “Inauguration of Indian Concrete Institute-Velagapudi Ramakrishna Siddhartha Engineering College Student Chapter” and One day Workshop on “Materials and Techniques for Sustainable Construction” in Civil Engineering Department, VRSEC, 19th October 2019.
2. Organized as FACULTY COORDINATOR for One day Workshop on “Pre-Engineered Buildings” in Civil Engineering Department at V R Siddhartha Engineering College, Kanuru, Vijayawada, Krishna (Dist.), 10th January 2020.
3. Organized as ICI (Vijayawada Centre) CHAIRPERSON for Award function of “ICI (Vijayawada Centre)-UltraTech Awards 2019” Andhra Pradesh at Hotel Novotel, Vijayawada, 25th October 2019.
4. Organized as a DEPARTMENT COODINATOR “Virtual Tour of India’s Largest Cement Manufacturing Plant”, Rajashree Cement Works – Malkhed (Gulbarga) by UltraTech Cements Limited for B. Tech, M. Tech, Ph.D. & Faculty at Department of Civil Engineering, KLEF, Vaddeswaram, Guntur (Dist.), Andhra Pradesh, 27th May 2021.
5. Organized as Chair for Guest Lecture on “Special Concrete Mix Design” at Civil Engineering Department, KLEF, 5th April 2023.
6. Organized as Chair for One Day Workshop on “Concrete Technology” at Civil Engineering Department, KLEF, 14th July 2023.
7. Organized as Chair for Webinar on “Flood Modelling” at Civil Engineering Department, KLEF, 29th July 2023.
8. Organized as Chair for Webinar on “Know Your Cement” at Civil Engineering Department, KLEF, 30th July 2023.
9. Organized as Chair for Webinar on “Hydrological Modelling” at Civil Engineering Department, KLEF, 14th August 2023.



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10. Organized as Chair for Guest Lecture on “Machine Learning for Structural Engineering” at Civil Engineering Department, KLEF, 18th August 2023.
11. Organized as Chair for Guest Lecture on “Geographical Information Systems- A Perspective Binocular Tool” at Civil Engineering Department, KLEF, 27th August 2023.
12. Organized as Chair for Guest Lecture on “WORLD OZONE DAY- Ozone Depletion: From 1985 to 2023” at Civil Engineering Department, KLEF, 16th September 2023.
13. Organized as Chair for Webinar on “Importance of Grey Water Treatment and Resource Recovery Technologies” at Civil Engineering Department, KLEF, 15th December 2023.
14. Organized as Chair for Skill Based Expert Talk on “Use of BIM Software in Structural Designs using CYPECAD - Software” at Civil Engineering Department, KLEF, 26th December 2023.
15. Organized as Chair for Alumni Guest Lecture on “How to Become an Entrepreneur” at Civil Engineering Department, KLEF, 27th December 2023.
16. Organized as Chair for Seminar on “Construction Safety and Mistakes” at Civil Engineering Department, KLEF, 30th January 2024.
17. Organized as Chair for Webinar on “Estimation of Settlements in Granular Pile Reinforced Ground” at Civil Engineering Department, KLEF, 31st January 2024.
18. Organized as Chair for Webinar on “Role of Geospatial Technology in Wetland Mapping and Monitoring” in occasion of WORLD WETLAND DAY at Civil Engineering Department, KLEF, 2nd February 2024.
19. Organized as Chair for Alumni Guest Lecture on “Road Safety Audit” at Civil Engineering Department, KLEF, 20th February 2024.
20. Organized as Chair for Guest Lecture on “Building the Future: IoT and AI Innovations in Civil Engineering” at Civil Engineering Department, KLEF, 28th February 2024.
21. Organized as Chair for Seminar on “Construction Safety and Mistakes” at Civil Engineering Department, KLEF, 30th January 2024.
22. Organized as Chair for Skill Based Expert Talk on “Analysis and Design of G+1 Function Hall” at Civil Engineering Department, KLEF, 26th September 2024.

Events Attended:

FDPs/STTPs:

1. Faculty Development Programme on Pre-Engineered Buildings Design Methodology and Limit State Design Application, 17th June – 20th June 2020 Under AICTE MARGDARSHAN in Civil Engineering Department, VRSEC, Vijayawada, Andhra Pradesh.
2. One Week Short Term Training Program (STTP) on “Recent Advances in Forensic Analysis of Sub and Super Structures”, in Civil Engineering Department at V R Siddhartha Engineering College, Kanuru, Krishna (Dist.), 29th June - 4th July 2020.
3. Six Day Faculty Development Program on “Advanced Applications of Structural Concrete in Civil Engineering” in Association with ICI-KLU Student Chapter” at Civil Engineering Department, KLEF, Vaddeswaram, Guntur (Dist.), 7th – 12th June 2021.
4. One Week Faculty Development Program on “Sustainable Construction Practices” in Association with ICI-KLU Student Chapter” at Civil Engineering Department, KLEF, Vaddeswaram, Guntur (Dist.), 5th – 10th August 2024.
5. FDP on “Practical Aspects of Finite Elements Analysis using ABAQUS” organized by APSSDC in association with Dassault Systems during 18th April 2020 to 24th April 2020.
6. FDP on Automotive Structures Design Using CATIA-organized by APSSDC in association with Dassault Systems during 30th April 2020 to 2nd May 2020.
7. FDP on “Design for Manufacturing and Assembly (DfMA)”, organized by APSSDC in association with Dassault Systems during 21st May to 23rd May 2020.



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Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Webinar on “Progress of Concrete Science Since the Time of Duff A. Abrams” by Dr. Bishwajit Bhattacharjee, Professor, IIT Delhi on 7th May 2020 organized by Department of Civil Engineering, K. D. K. College of Engineering, Nagpur.
2. Webinar on “Structural Audit of Building” by Dr. Madhav Kumthekar, Principal, Govt. College of Engineering Nagpur on 10th May 2020, organized by Department of Civil Engineering, K. D. K. College of Engineering, Nagpur.
3. Webinar on “Innovations & Sustainability through Construction Chemicals” by Er. Vivek Naik, Imm. Past-President, ICI, Director of Apple Chemicals India Pvt. Ltd. Nagpur on 14th May 2020 organized by Department of Civil Engineering, K.D.K. College of Engineering, Nagpur.
4. Webinar on “Introduction to Structural Design” organized by Department of Civil Engineering, Vaagdevi College of Engineering, Warangal, Telangana State on 22nd May 2020.
5. Five Days Webinar on Indian Seismic Codes IS 1893:2016 & IS 3920:2016 conducted from 18th May 2020 to 22nd May 2020, organized by Dept. of Civil Engineering, RMK Engineering College, Tamilnadu.
6. One day workshop on Resilience of Concrete Construction, 23rd May 2020 by IITM, Madras.
7. Webinar on “Artificial Aggregate and Its Behavioural Aspects in Structures” organized by Department of Civil Engineering, Vaagdevi College of Engineering, Warangal, Telangana State on 25th May 2020.
8. Webinar on “Water Proofing Techniques” organized by Dept. of Civil Engineering, Pimpri Chinchwad College of Engineering, Pune on 25th May 2020.
9. Webinar on “Behaviour of Concrete Structures Subjected to Concrete Structures” organized by Department of Civil Engineering, Vaagdevi College of Engineering, Warangal, Telangana State on 27th May 2020.
10. Webinar on “Restrained Shrinkage & Thermal Cracking in Concrete”, by Dr.K.V.L. Subramaniam, Professor, IIT Hyderabad on 27th May 2020 organized by Department of Civil Engineering, K.D.K. College of Engineering, Nagpur.
11. Industrial training for TWO MONTHS (Aug-Oct 2019) on “Pre-Engineered Buildings” at Pennar Industries Limited, Hyderabad for enabling 19VRCESE ready for industrial oriented course.
12. Poluraju, P. and Usha, M., “Evaluation of Code IS 456 Specified Flexure Strength of Concrete, In: Proceedings of 2nd International Conference on INNOVATIONS IN STRUCTURAL ENGINEERING (IC-ISE-2017), Osmania University, Hyderabad, December 29th – 31st, 2017.
13. Poluraju, P. and Appa Rao, G., “Prediction of Strength of 3D Sandwich Walls under General Loading: A Review, In: Proceedings of 10th Structural Engineering Convention (SEC 2016), CSIR-SERC Campus, Taramani, Chennai, pp. 716-721, December 21st – 23rd, 2016.
14. Poluraju, P. and Appa Rao, G., “Sandwich 3D panel system: Construction practices and experimental investigations” In: Proceedings of 7th Asia Pacific Young Researchers and Graduates Symposium (YRGS 2015) “Innovations in Materials and Structural Engineering Practices”, Kuala Lumpur, Malaysia, pp. 231-240, August 20th - 21st, 2015.
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Computer Engineering (ICSCMCE 2013), Singapore, June 1st -2nd, 2013.

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19. Two Day Workshop on Precast Construction Practices in India, organized by Indian Concrete Institute (ICI), Chennai Centre, February on 12-13, 2016.
20. Four Day International conference & Exhibition on Recent Developments in Design and construction technology of Tall structures, organized by Association of Consulting Civil Engineers (India) Bangalore Centre, November 9th -12th, 2016.
21. Two Day National Workshop on Emerging Trends in Structural Engineering (ETSE 16), organized by Department of Civil Engineering, K L Deemed to be University, March 11th -12th, 2016.
22. QIP-CEP Short Term Course on "ADVANCED STEEL DESIGN" October 8th – 12th, 2012, Dept. of Civil Engineering, IIT Delhi.
23. Three-Day Hands-on Workshop on Seismic Resistant Design of Building using STRUDS (Structural Analysis, Design and Detailing Software) Product of SOFTTECH ENGINEERS PVT. LTD, Accelerating Engineering Processes, February 7th – 9th, 2011.

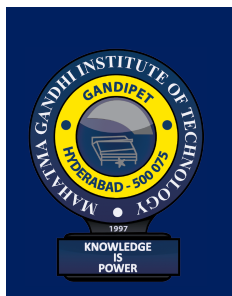
Online Certifications: (Coursera)

1. AI for Everyone
2. Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading
3. Mechanics of Material II: Thin-Walled Pressure Vessels and Torsion
4. Mechanics of Materials III: Beam Bending
5. Mechanics of Materials IV: Deflections, Buckling, Combined Loading & Failure Theories'
6. Programming with Cloud IoT Platforms
7. Programming for Everybody (Getting started with Python)
8. Introduction to Engineering Mechanics

Any Other Contribution:

Invited/Keynote Talks

1. Delivered KEYNOTE TALK on "3D Sandwich Panels" as part of two-day workshop on 'Advance Techniques and Career Development in Civil Engineering, at Civil Engineering Department of St. Mary's Integrated Campus, Hyderabad, 21st and 22nd August 2017.
2. Delivered KEYNOTE TALK on "Experimental Program on Structural Concrete Members" as part of two-day national workshop on 'Design of Special Structures and Research Methodology', at Civil Engineering Department of K L Deemed to be University, Vaddeswaram, Guntur Dist., Andhra Pradesh, India., 5th and 6th February 2018.
3. Delivered KEYNOTE TALK on "Analysis and Design of Structural Elements: Theoretical and Analytical Approach (Software Based)" as part of three-day workshop on 'NUTHAN 2K18" Recent Innovations and Engineering Techniques', at Civil Engineering Department of Aurora's Engineering College, Bhongir, Bhuvangiri (Dist.), Telangana State, 23rd February 2018.
4. Delivered KEYNOTE TALK on "Structural behavior of sandwich panels under general loading" as part of one-day national workshop on 'Recent Developments in Civil and Earthquake Engineering', at Engineering Sciences and Technology Division, CSIR-Northeast Institute of Science and Technology, Jorhat, Assam-785 006, 9th April 2018.
5. Delivered an INVITED TECHNICAL TALK on "3D Sandwich Panels for Prefab Structures" as part of UltraTech Cements Ltd.'s Technocrats Interaction at Hotel Green Park, Meadows Hall, Waltair Main Road, Visakhapatnam, 13th February 2019.
6. Delivered KEYNOTE TALK on "Structural behavior of sandwich panels under general loading" as part of Two-Day International Conference on Innovation in Engineering and Management (ICIEM)-2019 at MVR College of Engineering & Technology, Beside Hanuman Statue on NH-9, Paritala, Vijayawada Rural,



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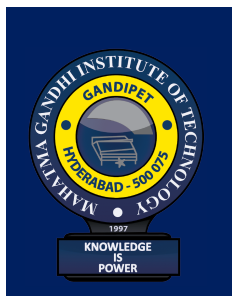
EVENTS:

- Organized - 32
- Attended - 31

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- Krishna (Dist.), 22nd and 23rd February 2019.
- Delivered an INVITED TECHNICAL TALK on “Strengthening of structurally deficient elements using retrofitting technique” as part of UltraTech Cements Ltd.’s Technocrats Interaction at Marasa Sarovar Premiere, Tirupati, 12th Cross, Karakambadi Rd, near AGS Company, Upadhyaya Nagar, Tirupati, Andhra Pradesh-517507, 26th February 2019.
- Delivered an INVITED TECHNICAL TALK titled on “Analysis and Design of RC Multistoried Residential Building (Theoretical and Software Based)” as part of UltraTech Cements Ltd.’s Technocrats Interaction at Hotel Minerva Grand, MG Rd, Behind Kalanikethan, Mogalrajapuram, Siddhartha Nagar, Labbipet, Vijayawada, Andhra Pradesh-520010, 13th March 2019.
- Delivered One-Day RESOURCE TALK on “Experimental Preparation in Structural Elements” as part of activities of IQAC, Academic Staff College K L Deemed to be University, Vaddeswaram, Guntur Dist., Andhra Pradesh, India., 16th April 2019.
- Delivered an EXPERT TALK on “Cost Estimation of Bridges” as part of Four Day Residential Programme on “Design of Bridges”, at AP HRDI, Bapatla, 8th May 2019.
- Delivered an EXPERT TALK on “Retrofitting of Structural Elements using Wrapping Techniques” as part of One Day Seminar on “Retrofitting of Structural Elements & Optimization of Mix Design”, at Dhanekula Institute of Engineering & Technology, Ganguru, 18th July 2019.
- Delivered an EXPERT TALK on “Behavior of Concrete in Coastal Regions” as part of One Day Seminar on “Concrete for Coastal Condition”, at Prasad V. Potluri Siddhartha Institute of Technology (Autonomous), Kanuru, Vijayawada, 7th December 2019.
- Delivered an EXPERT TALK on “Performance Based Seismic Design of RC Frames” as part of National Workshop on “Emerging Technologies in Civil Engineering”, at Vignan’s Deemed to be University, Vadlamudi, Guntur (Dist.), 19th December 2019.
- Delivered an EXPERT TALK on “Pre-Engineered Building Systems” as part of One day Workshop on “Pre-Engineered Buildings”, in Civil Engineering Department at V R Siddhartha Engineering College, Kanuru, Vijayawada, Krishna (Dist.), 10th January 2020.
- Delivered an EXPERT TALK on “Analysis and Design of RC Multi-Storied Residential Building (Theoretical and Software Based)” as part of One day Workshop on “Catch Them Young”, in Civil Engineering Department at SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, Vishnupur, Bhimavaram, West Godavari (Dist.), 4th February 2020.
- Delivered a GUEST TALK on “Pre-Engineered Building System (Part-1)” as part of ICI (Vijayawada) - UltraTech Cements Ltd., webinar series at Vijayawada, Krishna (Dist.), 8th May 2020.
- Delivered a GUEST TALK on “Pre-Engineered Building System (Part-2)” as part of ICI (Vijayawada) - UltraTech Cements Ltd., webinar series at Vijayawada, Krishna (Dist.), 12th May 2020.
- Delivered GUEST LECTURE titled on “Retrofitting of Structurally Deficient Elements using Strengthening Techniques” in Civil Engineering Department at St. Mary’s Group of Institutions Guntur, Guntur (Dist.), 30th May 2020.
- Delivered an EXPERT TALK on “Analysis and Design of RC Multi-Storied Residential Building (Theoretical and Software Based)” as part of One Week Faculty Development Program on “Advanced Practices in Civil Engineering”, in Civil Engineering Department at Vignan Institute of Technology and Science, Near Ramoji Film City, Deshmukhi (V), Yadadri Bhuvanagiri (Dist.), Telangana, 8th June 2020.
- Delivered an EXPERT TALK as a Resource Person on “Pre-Engineered Building Design Methodology” as part of Five-Day Faculty Development Program on “Advances in Building Designs: Pre-Engineered Design Methodology and Limit State Design”, sponsored by AICTE Margdarshan in Civil Engineering Department at V R Siddhartha Engineering College, Kanuru, Krishna (Dist.), 17th – 21st June 2020.
- Delivered a GUEST TALK on “Retrofitting of Structurally Deficient Elements



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DATE OF JOINING:

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EXPERIENCE – 16.5 Years

- Teaching – 13
- Research – 3.5
- Industry -1
- Others –

SUMMARY:

- Publications - 75
- Conferences - 07
- Patents – 10
- Books – 2
- Honors/Awards - 3

EVENTS:

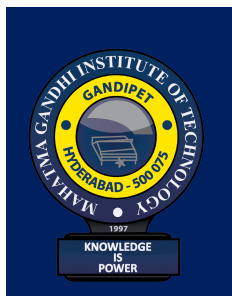
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under General Loading” as part of Dalmia Cements Ltd., Bangalore webinar series at Vijayawada, Krishna (Dist.), 26th June 2020.

22. Delivered a GUEST TALK on “Low-Cost Housing Construction Using Quick Build Panels for Cyclone and Earthquake” as part of Ramco Cements Ltd., Chennai webinar series at Vijayawada, Krishna (Dist.), 30th June 2020.
23. Delivered an EXPERT TALK as a Resource Person on “Forensic Engineering: Structural Design and Construction” as part of One Week Short Term Training Program (STTP) on “Recent Advances in Forensic Analysis of Sub and Super Structures”, sponsored by AICTE in Civil Engineering Department at V R Siddhartha Engineering College, Kanuru, Krishna (Dist.), 2nd July 2020.
24. Delivered an EXPERT TALK as a Resource Person on “Performance Based Seismic Design of RC Frames” as part of Webinar Series in Civil Engineering Department at A. P. SHAH INSTITUTE OF TECHNOLOGY, Maharashtra, 22nd July 2020.
25. Delivered an EXPERT TALK as a Resource Person on “Soft Computing Techniques in Structural Engineering” as part of One Week Short Term Training Program (STTP) on “Soft Computing Techniques in Civil Engineering: Structures, Water Resources, Geotechnical, Remote Sensing and Transportation Applications”, sponsored by AICTE in Civil Engineering Department at SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, Vishnupur, Bhimavaram, West Godavari (Dist.), 7th September 2020.
26. Delivered an EXPERT TALK as a Resource Person on “Pre-Engineered Building Systems” as part of Two-Day National Conference on “Sustainable Construction Technologies & Advancements in Civil Engineering”, in Civil Engineering Department at SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, Vishnupur, Bhimavaram, West Godavari (Dist.), 10th October 2020.
27. Delivered a GUEST TALK on “Concrete Materials and Durability Aspects of Concrete” as part of MAHA Cement (My Home Industries Pvt. Ltd.) webinar series at Vijayawada, Krishna (Dist.), 13th November 2020.
28. Delivered an EXPERT TALK as a Resource Person on “Introduction to Finite Element Analysis & Fracture Mechanics” as part of One Week Short Term Training Program (STTP) on “Advanced Mechanics of Materials”, sponsored by AICTE in Civil Engineering Department at K S Rangasamy College of Technology, K.S.R. Kalvi Nagar, Tiruchengode-637215, Tamil Nadu, 24th November 2020.
29. Delivered an EXPERT TALK as a Resource Person on “Building Information Modeling (BIM) Fundamental & Revit Modeling” as part of One Week Short Term Training Program (STTP) on “Building Information Modeling”, sponsored by AICTE in Civil Engineering Department at QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 2nd December 2020.
30. Delivered an EXPERT TALK as a Resource Person on “Building Information Modelling (BIM) Applications” as part of One Week Short Term Training Program (STTP) on “Building Information Modeling”, sponsored by AICTE in Civil Engineering Department at QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 5th December 2020.
31. Delivered an EXPERT TALK as a Resource Person on “Field Mistakes while mixing and placing the concrete & Durability of Concrete” as part of Two-Day National Program on “Role of Structural Engineers towards Sustainable Structures”, in Civil Engineering Department at SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, Vishnupur, Bhimavaram, West Godavari (Dist.), 12th December 2020.
32. Delivered an EXPERT Talk on “Mass Housing Construction using quick build panels (3D Sandwich Panels) for cyclone and Earthquake prone areas” at SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN (Autonomous), Bhimavaram, Andhra Pradesh, 18th May 2021.
33. Delivered an EXPERT Talk on “Field mistakes while mixing and placing of concrete” at Sanskrithi School of Engineering, Puttaparthi, Andhra Pradesh, 1st June 2021.
34. Delivered an EXPERT Talk on “Structural Concrete Materials & Durability Aspect of Structural Concrete” in 6 Six Day Faculty Development Program on



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DATE OF JOINING:

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EXPERIENCE – 16.5 Years

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SUMMARY:

- Publications - 75
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“Advanced Applications of Structural Concrete in Civil Engineering” in Association with ICI-KLU Student Chapter” at Civil Engineering Department, KLEF, Vaddeswaram, Guntur (Dist.) during 7th – 12th June 2021 on 7th June 2021.

35. Delivered an EXPERT Talk on “Retrofitting of Structural Elements using Wrapping Techniques” at Lakkireddy Balireddy College of Engineering (Autonomous), Mylavaram, Andhra Pradesh, 10th June 2021.
36. Delivered an EXPERT Talk on “Sustainable Structural Concrete” at V R Siddhartha Engineering College (Autonomous), Vijayawada, Andhra Pradesh, 14th June 2021.
37. Delivered an EXPERT TALK on “Strengthening of Structural Elements using Wrapping Techniques” as part of One-week faculty development on “Research Trends in Civil Engineering” at Kallam Haranadha Reddy Institute of Technology, Chowdavaram, Guntur (Dist.), Andhra Pradesh, 21st June 2021.
38. Delivered an EXPERT TALK on “Structural Performance of Structurally Deficient Elements using retrofitting techniques under general loading” as part of One-week faculty development program on “Repair, Rehabilitation and Retrofitting Techniques of Reinforced Concrete Structures (Phase – III)” during 28th June – 3rd July 2021 at Srinivasa Ramanujan Institute of Technology – SRIT (Autonomous), Anthapuramu (Dist.), Andhra Pradesh, 3rd July 2021.
39. Delivered an EXPERT TALK on “Sustainable Structural Concrete & Durability Aspects” as part of National Level Three Day faculty development program on “Recent Advances in Concrete Technology & Sustainable Infrastructure” during 4th – 6th August 2021 at Sir C R Reddy College of Engineering, Vatluru, Eluru, West Godavari (Dist.), Andhra Pradesh, 4th August 2021.
40. Delivered an EXPERT Talk on “Research Paper Framework and Methodology” at Department of Architecture, KLEF, Vaddeswaram, Guntur Dist., Andhra Pradesh, 23rd October 2021.
41. Delivered an EXPERT TALK as a Resource Person on “Field Mistakes while mixing and placing the concrete & Durability of Concrete” as part of Webinar Series in Civil Engineering Department at A. P. SHAH INSTITUTE OF TECHNOLOGY, Thane, Maharashtra, 19th February 2022.
42. Delivered a GUEST TALK on “World Habitat Day” as Resource Person at LAKKIREDDY BALI REDDY COLLEGE OF ENGINEERING (LBRCE), Mylavaram, Andhra Pradesh on 3rd October 2023.
43. Delivered an EXPERT TALK as a Resource Person on “Rehabilitation of failure RCC structures without disturbing existing structures (Strengthening of foundations columns etc. & Advanced construction materials in concrete Technology and its applications)” Four Days residential – “Technical Training” Programme for the AEE's to Chief Engineer (Civil) of APTRANSCO at Training Institute, APGENCO, Ibrahimpatnam, 11th October 2023.
44. Delivered an EXPERT TALK as a Resource Person on “Rehabilitation of failure RCC structures without disturbing existing structures (Strengthening of foundations columns etc. & Advanced construction materials in concrete Technology and its applications)” Four Days residential – “Technical Training” Programme for the AEE's to Chief Engineer (Civil) of APTRANSCO at Training Institute, APGENCO, Ibrahimpatnam, 8th November 2023.
45. Delivered a GUEST TALK on “Detailing of RCC Elements” as Resource Person in one-week Professional Development Programme (PDP) on “Design of Steel Structures by using IS 800-2007” during 9th – 13th September 2024 at SBTET, Mangalagiri, Andhra Pradesh on 11th September 2024 organized by National Institute of Technical Teachers Training and Research (NITTTR) Chennai.
46. Delivered a GUEST TALK on “Pre-Engineered Buildings” as Resource Person in one-week Professional Development Programme (PDP) on “Design and Detailing of RCC Elements using IS 456-2000 (Limit State Design)” during 22nd – 26th July 2024 at SBTET, Mangalagiri, Andhra Pradesh on 23rd July 2024 organized by National Institute of Technical Teachers Training and Research (NITTTR) Chennai.
47. Delivered an EXPERT TALK as a Resource Person on “Concrete Materials and Durability Aspects of Concrete” in One Week FDP Program (20th - 26th



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December 2024) at Narayana Engineering College, Gudur, Andhra Pradesh, 20th December 2024.

48. Delivered an EXPERT TALK as a Resource Person on “Structural Performance of Structurally Deficient Elements using Retrofitting Techniques Under General Loading” in One Week FDP Program (20th - 26th December 2024) at Narayana Engineering College, at Narayana Engineering College, Gudur, Andhra Pradesh, 21st December 2024.
49. Delivered a GUEST LECTURE on “Durability Aspects of Concrete” at Aditya University, Surampalem, Rajahmundry, 3rd January 2025.
50. Delivered a GUEST LECTURE on “Retrofitting of RC Structures” at Aditya University, Surampalem, Rajahmundry, 3rd January 2025.
51. Delivered an EXPERT LECTURE on “Retrofitting of RC Elements” in Five Day Faculty Development Program on “Emerging Trends in Civil Engineering and Research Challenges towards Sustainability” at Civil Engineering Department, LAKKIREDDY BALI REDDY COLLEGE OF ENGINEERING (LBRCE), Mylavaram, Andhra Pradesh during 7th – 11th July 2025 on 9th July 2025.
52. Delivered an EXPERT LECTURE on “Advanced Construction Materials in Concrete Technology and its Applications” in Five Day Faculty Development Program on “Emerging Trends in Civil Engineering and Research Challenges towards Sustainability” at Civil Engineering Department, LAKKIREDDY BALI REDDY COLLEGE OF ENGINEERING (LBRCE), Mylavaram, Andhra Pradesh during 7th – 11th July 2025 on 10th July 2025.

Outreach

1. Examined as EXTERNAL EXAMINER for conduction of “Matrix Methods and Finite Element Analysis” (M. Tech, I Year, II Semester) viva voce at Vignan’s Deemed to be University, Vadlamudi, Guntur (Dist.), 20th May 2019.
2. Examined as EXTERNAL EXAMINER for conduction of “M. Tech Project Work” (M. Tech, I Year, II Semester) viva voce at Vignan’s Deemed to be University, Vadlamudi, Guntur (Dist.), 13th June 2019.
3. Delegated as CHAIRPERSON-ICI of Vijayawada Centre in One Day National Level Conference on “Technological Advances in Concrete Pavements & Bridges (Construction, Maintenance and Rehabilitation)” at Hotel Best Western Ashoka, Lakdikapul, Hyderabad, Telangana, India., 6th July 2019.
4. Examined as an EXTERNAL MEMBER for conduct of Doctoral Committee Meeting, Academic Year 2019-20 (Cycle 1) for Ph.D. Scholar, Civil Engineering Department at Vignan’s Deemed to be University, Vadlamudi, Guntur (Dist.), 3rd August 2019.
5. Examined as EXTERNAL EXAMINER for conduction of “M. Tech Project Thesis Evaluation” (M. Tech, II Year, II Semester) viva voce at NRI INSTITUTE OF TECHNOLOGY, POTHAVARAPPADU, AGIRIPALLI, KRISHNA (Dist.), 17th September 2019.
6. Acted as PANEL COMMITTEE MEMBER for the selection of Awards of “ICI (Vijayawada Centre)-UltraTech Awards 2019” Andhra Pradesh at UltraTech Regional Office, Vijayawada, 16th October 2019.
7. Examined as EXTERNAL EXAMINER for conduction of “Material Testing Laboratory + Minor Project” (B. Tech, II Year, I Semester) viva voce at Vignan’s Deemed to be University, Vadlamudi, Guntur (Dist.), 5th November 2019.
8. Acted as EXTERNAL OBSERVER for Autonomous End Examinations at Prasad V. Potluri Siddhartha Institute of Technology (Autonomous), Kanuru, Vijayawada, 9th, 11th - 12th November 2019.
9. Examined as EXTERNAL EXAMINER for conduction of “Computer Aided Analysis, Design and Detailing of Structures-II (Lab)”, (B. Tech, IV Year, I Semester) viva voce at Bapatla Engineering College, Bapatla, Guntur (Dist.), 22nd - 23rd November 2019.
10. Acted as JUDGE for Technical Events organized by Civil Engineering Department in “Lakshya-2k19-14th National Level Technical & Cultural Fest” at Lakki Reddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dist.), 21st December 2019.
11. Acted as INTERNAL OBSERVER for Autonomous End Examinations (I/IV B. Tech) at V R Siddhartha Engineering College (Autonomous), Kanuru, Vijayawada, 30th December 2019, 2nd, 6th, 8th and 11th January 2020.



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12. Examined as EXTERNAL EXAMINER for conduction of “B. Tech Project Work” (B. Tech, IV Year) viva voce at Vignan’s Deemed to be University, Vadlamudi, Guntur (Dist.), 30th May 2020.
13. Reviewed as REVIEWER of paper “A Simplified Approach to Modelling Vertically Irregular Structures for Dynamic Assessment” for Journal of Asian Architecture and Building Engineering, 27th May 2021.
14. Participated and secured merit in assessment test in Andhra Pradesh State Skill Development Corporation (APSSDC) Faculty Development Program on “Building Information Modelling (BIM) using Revit Architecture” from 24th - 29th May 2021 at KLEF, Vaddeswaram, Guntur Dist., Andhra Pradesh.
15. Reviewed as REVIEWER of paper “Analysis seismic vulnerability of the buildings in rural area: the 1996-2013 earthquakes” for Journal of Asian Architecture and Building Engineering, 8th June 2021.
16. Examined as EXTERNAL EXAMINER for conduction of “B. Tech Internship & Projects” (B. Tech, IV Year, II Semester) viva voce at Vignan’s Deemed to be University, Vadlamudi, Guntur (Dist.), 14th June 2021.
17. Participated and secured merit in assessment test in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Green Technology and Sustainable Development” from 14th June 2021 to 18th June 2021 at Amity University Rajasthan, Jaipur.
18. Participated and secured merit in assessment test in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Fundamentals of Geotechnical and Structural Engineering for Sustainable Infrastructural Development” from 28th June 2021 to 2nd July 2021 at Government Engineering College, Dahod.
19. Examined as EXTERNAL EXAMINER for conduction of “B. Tech Project Work” (B. Tech, IV Year, II Semester) viva voce at Lakkireddy Bali Reddy College of Engineering (Autonomous), Mylavaram, Krishna (Dist.), Andhra Pradesh, 17th July 2021.
20. Participated and secured merit in assessment test in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Design & Construction of Tall Building Structures” from 9th - 13th August 2021 at Vasavi College of Engineering, Hyderabad.
21. Examined as EXTERNAL EXAMINER for Doctoral Committee Meeting of Ph.D. Scholar Alein J S (Reg No. RA1913001011012), Department of Civil Engineering, SRMIST, Kattankulathur on 16th August 2021.
22. Participated and secured merit in assessment test in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Seismic Hazard Assessment and Mitigation Technique” from 23rd - 27th August 2021 at Karpagam College of Engineering, Tamilnadu.

Countries Visited:

1. Singapore (Presented Paper in Conference)
2. Jordan (Presented Paper in Conference)
3. Malaysia (Presented Paper in Symposium)