

BIO-DATA



Prof E. Arunakanthi

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POSITIONS HELD:

1. Principal, JNTUA CEP, Pulivendula.
2. Vice Principal, JNTUACEA, Anantapur.
3. Director, Industrial Consultancy Services.
4. Head of the Department of Civil Engineering JNTUACEA
5. BOS Chairperson for Civil-PG, JNTUA
6. BOS Chairperson for Civil-UG, RUCE, Kurnool
7. Officer in-charge of Academic Section, JNTUACEA
8. NSS Program officer, JNTUACEA
9. BOS Chairperson for Civil-UG, JNTUACEA

Date of Birth	:	24-07-1975
Academic Qualifications	:	M. Tech., Ph.D.
Professional Position	:	Professor in Civil Engineering (since 2017)
Administrative Position	:	---
Teaching experience	:	24 + years teaching UG, PG & PhD students
Research experience	:	23 + years
No. of M.Tech Projects	:	76

No. of Ph. D's supervised:	05
No. of Ph. D's in supervision:	05
Research Publications	:
	International Journals 76
	International Conferences 13
	National Conferences 03
Research Areas	:
	Structural Engineering,
	Geo-polymer concrete
	Self compacting concrete
	Concrete Technology
	High-Performance Concrete
	Finite Element methods

CONSULTANCY SERVICES : Consultancy Services to

1. A.P. State Roads & Building Department
2. A.P. State Panchayat Raj Department
3. A.P. State Irrigation department
4. A.P. Industrial Infrastructure Corporation
5. A.P. State Housing Corporation
6. APMSIDC
7. Public Health Department
8. Power Grid Corporation Of India Ltd
9. Ramki Infra Structure Ltd
10. Railways Department
11. APHMHICDC

JOURNAL PUBLICATIONS:

1. P Madhu, E. Arunakanthi, “Health Monitoring of self compacting concrete deterioration using image processing”, International Research Journal Of Engineering and Technology, Vol.11, 2024.
2. N. Sai Kumar, E. Arunakanthi, “Study on the Behaviour of beams under the Chemical Attack by using ATENA Software”, International Journal of Multidisciplinary Research in Science, Engineering and Technology, Vol.7, 2024.
3. M. Naveen Naik, E. Arunakanthi, “ Health Monitoring deteriorated Concrete Using an Calorimetry Analysis”, International Research Journal Of Engineering and Technology, Vol.11, 2024.
4. G Sushma, E. Arunakanthi, “Analyzing Colour Stability as a Measure of Chemical Induced Deterioration in High Strength Concrete”, International Journal of Multidisciplinary Research in Science, Engineering and Technology, Vol.7, 2024.
5. N Rajeswari, E. Arunakanthi, “ An Experimental Investigation on Health Monitoring of Cement Mortar Deterioration using Image Processing”, International Journal of Multidisciplinary Research in Science, Engineering and Technology, Vol.7, 2024.
6. M Sai Preethi, E. Arunakanthi, “Comparative study of Pre-stressed concrete I-Girder Bridge with different codes using MIDAS civil as a tool”, Journal of Emerging Technologies and Innovation Research, Vol.10, 2023.

7. Nayak Jafar, E. Arunakanthi, "Design and Analysis of Multi Story Building on Slopping Ground and Flat Ground by using ETABS", *Industrial Engineering Journal*, Vol.52, 2023.
8. R Sai Priya, E. Arunakanthi, "Analysis of Fragility Curves Of RC Flat Buildings with and without Infill Effect using Pushover Method in SAP", *Journal of Emerging Technologies and Innovation Research*, Vol.10, 2023.
9. Harijana Yamuna, E. Arunakanthi, "Prediction of Compressive Strength of Concrete Containing used Engine Oil using ANN", *Journal of Emerging Technologies and Innovation Research*, Vol.10, 2023.
10. K Veera Preetham Reddy, E. Arunakanthi, "Comparative Performance Evaluation of Short Span RC Bridges Subjected To Various Soil Structure Interaction using SAP 2000 as a Tool", *Journal of Emerging Technologies and Innovation Research*, Vol.10, 2023.
11. D Indramohan Reddy, E. Arunakanthi, "Comparative Performance Evaluation of Unreinforced Masonry (URM) Infilled RC Frames Subjected to Various Ground Motions using ETABS Tool", *Journal of Emerging Technologies and Innovation Research*, Vol.10, 2023.
12. M Mohammad Roshan Zameer, E. Arunakanthi, "Failure Control of a Skyscraper using Various Methods of Retrofitting Methods using ETABS as a Tool", *Journal of Emerging Technologies and Innovation Research*, Vol.10, 2023.
13. Kuruva Sekhar, E. Arunakanthi, "Non Linear Dynamic Analysis of G+7 Building Under Blast Load by SAP 2000", *Journal of Emerging Technologies and Innovation Research*, Vol.10, 2023.
14. S Joseph Prajwal Kumar, E. Arunakanthi, "Comparative Analysis and Design Detailing of High-Rise RC Building Structure Considering CSI Detailing and RCDC", *Journal of Emerging Technologies and Innovation Research*, Vol.10, 2023.
15. Shaik B Aadil Shah Ali, E. Arunakanthi, "Properties of high strength concrete with replacement of waste ceramic as fine aggregate", *Journal of North-eastern University*, Vol.26, 2023
16. B Venkata Sai Tharun Teja, E. Arunakanthi, "Seismic analysis of bridge structure using CSI bridge software", *Journal of North-eastern University*, Vol.25, 2022

17. Ch. Sri Charan Kumar, E. Arunakanthi, "Design of optimization of steel in fully stressed fink truss using STAAD PRO software" *The Inter Jour of analytical and experimental model analysis*, Vol.14, 2022
18. V Lavanya, E. Arunakanthi, "Dynamic analysis of sloped building using STAAD PRO". *The Inter Jour of analytical and experimental model analysis*, Vol.14, 2022.
19. Sambangi Arunchaitanya, Eluru Arunakanthi, "Role of copper slag on improvement of strength, quality and durability of high-strength self-compacting concrete: an industrial waste", *Asian Journal of Civil Engineering*, 2022
20. Sambangi Arunchaitanya, Eluru Arunakanthi, "Industrial copper waste as a sustainable material in high strength SCC", *Cleaner Engineering and Technology*, Vol.6, 2022.
21. Miriyala Krishna sai, E. Arunakanthi, "Mitigation Techniques For Soft Story on Tall Building Under Seismic Loading using Various Bracing in ETABS", *The International Journal of Analysis and Experimental Modal Analysis*, Vol.XIV, 2022.
22. Boya Venkatesh, E. Arunakanthi, "Seismic Analysis of Shear Wall Building With and Without Stiffness Modifier using SAP2000", *The International Journal of Analysis and Experimental Modal Analysis*, Vol.XIV, 2022.
23. Veepanagandla Sharath Chandra, E. Arunakanthi, "Experimental Investigation Of Strength and Elastic Properties of (M75) Self-Compacting Concrete", *The International Journal of Analytical and Experimental Modal Analysis*, Vol.XIV, 2022.
24. Rameshetti Mahesh, E. Arunakanthi, "A Novel approach For Seismic Analysis of Different plan Configurations Under P-Delta action", *The International Journal of Analytical and Experimental Modal Analysis*, Vol.XIV, 2022.
25. K. Sundeep Kumar, PV Subba Reddy, E Arunakanthi, "Engineering Properties of Conventional concrete Containing Ferro Silica Slag as Course Aggregate", *Design Engineering*, 2021
26. K. Sundeep Kumar, PV Subba Reddy, E Arunakanthi, "Liquid Paraffin wax as a curing agent in SCC by using slag as aggregate". *Design Engineering*, 2021
27. K. Sundeep Kumar, PV Subba Reddy, E Arunakanthi, "Influence of Ferro silica slag on the durability properties of conventional concrete", *Design Engineering*, 2021
28. Durga Chaitanya KumarJagarapu and Arunakanthi Eluru, "Durability Studies on Lightweight Fiber Reinforced Concrete by Incorporating Palm Oil Shells", *Journal of*

Mechanics of Continua and Mathematical Sciences Vol.-15, No.-1, 2020, ISSN 2454-7190, PP: 19-30.

29. Kanamarlapudi L, Kumar J D C, Eluru Arunakanthi, "Punching shear resistance of supplementary cementitious concrete slab", *Materials Today Proceedings*, Vol.27, 2020
30. Krishna Bhanu J, Durga Chaitanya Kumar J, Arunakanthi E, "Experimental Analysis on supplementary cementitious materials with Alkali Resistant glass fibers", *Materials Today Proceedings*, 2020
31. J. VARA PRASAD, E. ARUNA KANTHI, "effect of sulphuric acid on geopolymer concrete made with bethamcherla stone powder waste", *Journal of Xidian University* VOLUME 14, ISSUE 4, 2020, ISSN No:1001-2400, PP: 1225-1229.
32. J. VARA PRASAD, E. ARUNA KANTHI, "A brief over view of strength and durability studies of Geopolymer concrete", *International Journal of advance research in science and engineering* Volume 9, Issue 4, 4/1/2020, ISSN No:2319-8354, PP: 1-9.
33. Durga Chaitanya Kumar Jagarapu and Arunakanthi Eluru, "Structural Behaviour of Palm Oil Shell Reinforced Concrete Beams", *Solid State Technology* Volume: 63 Issue: 5, 11/1/2020, ISSN: 0038-111X, PP: 3973 – 3982.
34. Durga Chaitanya Kumar Jagarapu and Arunakanthi Eluru, "Lightweight Fiber Reinforced Concrete by Agricultural Waste", *The American Business School of Paris, France*, 2020
35. J. Vara Prasad, E. Aruna Kanthi, "Temperature Resistance of Bethamcherla Stone Powder Waste Geopolymer Concrete", *International Journal of advanced science and technology* Volume 29, Issue 3, 7/1/2020, ISSN: 2005-4238 (Print) ISSN: 2207-6360 (Online), PP: 8815-8819
36. S. Yachandra and Prof. E. Arunakanthi, "Evaluating the Effect of Elevated Temperature on Ternary Blended Self Compacting Concrete using Response Surface Methodology", *International Research Journal of Engineering and Technology (IRJET)* Volume: 07 Issue: 10, 10/1/2020, e-ISSN: 2395-0056, p-ISSN: 2395-0072, PP: 1004-1009.
37. K. Sundeep kumar, P. V. Subba Reddy, E. Arunakanthi, M. Venkateswarlu, "Sustainable use of Industrial Wastes as Replacement for Fine and Coarse Aggregate in Production of Self Compacting Concrete – A State of the Art", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* Volume-9 Issue-4, 2/1/2020, ISSN: 2278-3075.

38. Lakshmisupriya Kanamarlapudi, Krishna Bhanu Jonalagadda, Durga Chaitanya Kumar Jagarapu & Arunakanthi Eluru, "Different mineral admixtures in concrete: a review", *S N Applied Science* Vol:2 NO:4, 3/1/2020, ISSN 2523-3963.
39. Pakam Manoj Kumar and Prof E. Arunakanthi, "Comparative Analysis of Irregular G+11 Storied RC Building With & Without Shear Walls at Different Locations using STAAD.Pro & SAP-2000", *International Research Journal of Engineering and Technology (IRJET)* Volume: 07 Issue: 11, 11/1/2020, e-ISSN: 2395-0056, p-ISSN: 2395-0072, PP:1692-1701.
40. P Veera Praveen Reddy, E Arunakanthi, "Analysis of Trapezoidal Corrugated Steel Web Beams with Different Angle of Inclination By ANSYS", *International Journal of advanced science and technology* Volume 29, Issue 3, 7/1/2020, ISSN: 2005-4238 (Print) ISSN: 2207-6360 (Online), PP: 3413-3426.
41. S. Arun Chaitanya, E. Arunakanthi, "Usage of Mineral Admixtures in Self Compacting Concrete- A Review", *International Journal of Innovative Technology and Exploring Engineering*, Volume-8 Issue-3, January 2019.
42. C. Rajamallu, T. Chandrasekhar Reddy, E. Arunakanthi, "Service Life Prediction of Self Compacted Concretes with Respect to Chloride Ion Penetration: State of the Art Report", *International Journal of Management, Technology and Engineering*, 2249-7455, PP: 2737 – 2759. Volume IX, Issue VI, JUNE/2019.
43. J. VARA PRASAD, E. ARUNA KANTHI, "Effect of Sea Water on Bethamcherla Stone Powder Waste Geopolymer Concrete", *Journal of Gujarat Research Society* Volume 21, Issue 11, 11/1/2019, ISSN:0374-8588.
44. Dr.E.Aruna Kanthi, Y.Sarala, "An experimental study on Strength and durability characteristics of high strength concrete made with partial replacement of cast-off aggregate", *International Journal of Technical Innovation In Modern Engineering & Science* Volume 5 & Issue 06, 6/1/2019, e-ISSN:2455-2585, PP:262-276.
45. Dr.E.Aruna Kanthi, K.Sai Prasad, "Micro Structure Analysis Of Geopolymer Concrete Cured Under Ambient Conditions", *International Journal of Technical Innovation In Modern Engineering & Science*, Volume 4 & Issue 10, 10/1/2018, e-ISSN:2455-2585, PP: 223-232.

46. Durga Chaitanya KumarJagarapu and ArunakanthiEluru, "Experimental Analysis of Light Weight Concrete and Fiber Reinforced Concrete", *International Journal of Civil Engineering and Technology (IJCET)*Volume 9, Issue 4, 4/1/2018, ISSN : 0976 - 6316, PP: 59–69.
47. Dr.E.Aruna Kanthi,Mudavath Lokeswari, "Experimental Study on fly ash and GGBS based Geopolymer concrete using M-SAND", *International Journal of Technical Innovation In Modern Engineering & Science*Volume4 & Issue9, 9/1/2018, ISSN-2455-2585, PP:543-549.
48. Dr.E.Aruna Kanthi,V.Guru Prathap Reddy, "A Review on strengthening of steel built-up beam with CFRP wrapping", *International Journal of Technical Innovation In Modern Engineering & Science*Volume4 &Issue 10, 10/1/2018, ISSN:2455-2585, PP: 43-49.
49. Dr.E.Aruna Kanthi,Kancherla Shobha Rani, "Structural Analysis of Ribs In Aircraft wing Subjected to pay loads using ANSYS", *International Journal of Research*Volume7 & Issue10, 10/1/2018, ISSN:2236-6124, PP: 316-325.
50. Dr.E Arunakanthi,K.Upendra Reddy, "Dynamic analysis of multi storey structure for different shapes", *International Journal of Technical Innovation in Modern Engineering & Science*Volume 3, Issue 12, 8/1/2017, e-ISSN: 2455-2585, PP: 8 to 17.
51. E. Arunakanthi and J.D. Chaitanya Kumar, "Experimental Studies on Fiber Reinforced Concrete (FRC)", *International Journal of Civil Engineering & Technology*Volume 07, Issue 5, 2017.
52. Durga Chaitanya KumarJagarapu and ArunakanthiEluru, "The Use of Light weight Aggregates for precast Concrete Structural Members", *International Journal of Applied Engineering Research*Volume13 & Issue 10, 7/10/2017, ISSN:0973-4562, PP: 7779-7789.
53. E. Arunakanthi,Giddaluri Sumathi, "A design of structure to resist a blast from conventional weapon", *Indian Journal of Applied Research*Volume7& Issue3, 3/1/2017, ISSN - 2249-555X, PP: 312-315.
54. J.D. Chaitanya Kumar and E. Arunakanthi, "Review on the Use of Light Weight Aggregates for Precast Concrete Structural Members", *International Journal of Applied Engineering Research*Volume 13, Number 10, 2017, PP: 7779-7787.

55. Dr. E. Arunakanthi, P. Manzoor, "Experimental Study on Strength Characteristics of Self Curing Concrete with Cement Replacement by Fly Ash", *International Journal of Advanced Engineering Research and Science* Volume 4 & Issue 2, 2/1/2017, ISSN: 2349-6495(P), PP: 62-65.
56. Durga Chaitanya Kumar Jagarapu and Arunakanthi Eluru, "Optimum mix design for light weight fiber reinforced concrete – by incorporating agriculture solid waste", *International Journal of Management, Technology and Engineering (IJMTE)* Volume-9, Issue-V, ISSN 2249-7455, PP: 2721 -2731, 2017.
57. Dr. E. Arunakanthi, D. Nagendra babu naik, "experimental study on strength characteristics of concrete with partial replacement of cement with granite slurry and partial replacement of aggregate with quartz stone", *International Journal of Technical Innovation in Modern Engineering & Science* Volume 3, Issue 12, 12/1/2017, e-ISSN: 2455-2585, PP: 100-104.
58. Dr. E. Arunakanthi, Ch. Mounika, "design and analysis of rcc underpass bridge by staad pro", *International Journal of Technical Innovation in Modern Engineering & Science* Volume 3, Issue 12, 12/1/2017, e-ISSN: 2455-2585, PP: 220-231.
59. Dr. E. Arunakanthi, D. V. Nirmala, "Experimental Study on Workability and Strength Characteristics of Concrete Containing Waste Marble Aggregate Along with Marble Slurry Powder", *International Journal of Science Technology & Engineering* Volume 3, Issue 9, 3/1/2017, ISSN (online): 2349-784X, PP: 31-34.
60. E. Aruna Kanthi, H. Sudarsana Rao, I. V. Ramanareddy, "Effects of Magnesium Sulphate in Mixing and Curing Water on Strength of High-Performance Metakaolin Concrete", *Global Research Analysis* Volume 2, Issue 12, 12/1/2017, ISSN No 2277 - 8160, PP: 64-67.
61. Dr. E. Arunakanthi, Kona Narayana Reddy, "A Study on Multi-Storeyed Building with Oblique Columns by using ETABS", *International Journal of Innovative Research in Science, Engineering and Technology* Volume 6, Issue 2, 2/1/2017, ISSN (Online) : 2319-8753, PP: 1968-1974.
62. Dr. E. Arunakanthi, T. Yeswanth kumar, "strength properties of concrete with partial replacement of cement with metakaolin, silica fume and also partial replacement of fine aggregate with steel slag", *International Journal of Technical Innovation in Modern Engineering & Science* Volume 3, Issue 12, 12/1/2017, e-ISSN: 2455-2585, PP: 48-54.

63. E.Arunakanthi , H. Sudarsana Rao, “Effects of Sulphuric Acid in Mixing and Curing Water on Strength of High-Performance Phosphogypsum Concrete”, *International Journal of science technology &Engineering*Volume2 & Issue8, 2/1/2016, ISSN (online): 2349-784X, PP: 188-193.
64. Dr.E.Arunakanthi , S.Mohammed Rafi, “Experimental Study on Strength Characteristics of concrete containing waste marble and ceramic aggregate along with Granite Slurry Powder”, *International Journal of Innovative Research in Science,Engineering and Technology*Volume5 & Issue12,12/1/2016, ISO 3297: 2007, PP:21358-21362.
65. E.Arunakanthi,Vijaya Thirumala Raju Varakavi1, “Dynamic Analysis of Electrical Transmission Line Towers”, *International Journal of Engineering science & computing*Volume 6, Issue 7, 7/1/2016, ISSN 2321 3361, PP: 1739-1744.
66. E. Arunakanthi,V. Harshitha, “seismic control of symmetric and asymmetric framed structures by base isolation method”, *International Research Journal of Engineering and Technology*Volume2 & Issue5, 8/1/2015, e-ISSN: 2395 -0056, PP: 887-890.
67. Dr. E. Arunakanthi,K.V.Sudheer, “Design and analysis of a high rise building with and with out floating columns”, *International Journal for Scientific Research & Development*Volume 3, Issue 10, 12/1/2015, ISSN:2321-0613, PP: 760-765.
68. Dr. E. Arunakanthi,R. Naga Swathi, “Effect of Hook Ended Steel Fibre on Workability and Strength of High Strength Concrete with Marble Powder Admixture”, *International Journal of Research*Volume 4, Issue 8, 8/1/2015, ISSN - 2250-1991, PP: 229-231.
69. Dr. E. Arunakanthi,N. Mohan Reddy, “Seismic 2015, ISSN (online): 2321-0613, PP: 287-294.
70. E. Aruna Kanthi, N. Venkata Ramana, C. Sashidhar3, “bearing strength of polyethylene terephthalate (pet) fibre reinforced recycle aggregate concrete”, *International Journal of Advanced Technology in Engineering and Science*Volume2 & Issue1,9/1/2014, ISSN (online): 2348 – 7550, PP:663-672.
71. E. Arunakanthi,A.Surekha,J.D.Chaitanya Kumar, “analysis and connection designs of precast load bearing wall”, *International Journal of Research in Engineering and Technology*Volume 3, Issue 9, 9/1/2014, pISSN: 2321-7308, PP: 449-457.
72. Dr.E.Arunakanthi ,Pradeep Kumar Ramancharla,Sreekanth Gandla Nanabala, “Seismic Analysis of A Normal Building and Floating Column Building”, *International Journal of*

Engineering Research & Technology Volume 3, Issue 9,9/1/2014, ISSN: 2278-0181, PP:981-987.

73. Dr. E Arunakanthi, A Murali Krishna, "Optimum Location of Different Shapes of Shear Walls in Unsymmetrical High Rise Buildings", *International Journal of Engineering Research & Technology* Volume 3, Issue 9,9/1/2014, ISSN: 2278-0181, PP:1099-1106.
74. Dr. E. Arunakanthi, G.Suresh, "Seismic Analysis of Buildings Resting on Sloping Ground and Considering Bracing System", *International Journal of Engineering Research & Technology* Volume 3, Issue 9, 9/1/2014, ISSN: 2278-0181, PP: 1107-1113.
75. T. Naresh Kumar, N.Venkata Ramana, E. Arunakanthi, C. Sashidhar, "Performance of Stone Waste Aggregate Concrete Slabs under Impact Loading", *International Journal of Engineering Research and Development* Volume 8, Issue 7,9/1/2013, e-ISSN: 2278-067X, PP:75-80.
76. E.Arunakanthi, H. Sudarsana Rao, "Effects of Calcium Chloride In Mixing and Curing Water on Strength of High-Performance Metakaolin Concrete", *International Journal of Research* Volume 2 & Issue 9,9/1/2013, ISSN - 2250-1991, PP:91-94.
77. E.Arunakanthi, H. Sudarsana Rao, "Effects of Sulphuric Acid in Mixing And Curing Water on Strength of High-Performance Metakaolin Concrete", *International journal of scientific research* Volume 2 & Issue 12,12/1/2013, ISSN No.2277-8179, PP:147-150
78. Dr. E. Arunakanthi, "Effects of Hydrochloric Acid in Mixing and Curing Water on Strength of High-Performance Phosphogypsum Concrete", *International Journal of Innovative Research in Science, Engineering and Technology* Volume - 5 & Issue 8,8/1/2016, ISO 3297: 2007, PP:15094-15103.
79. E. Arunakanthi, H. Sudarsana Rao, V. Ramana Reddy, "effects of hydrochloric acid in mixing and curing water on strength of high-performance metakaolin concrete", *International Journal of Applied Engineering and Technology* Volume 2 & issue 2,4/1/2002, ISSN: 2277-212X, PP:68-76.
80. E Arunakanthi, Chidige Anil Kumar, "A Seismic Study on Effect of Water Tank Modelled as TMD", *International Journal of Innovative Research in Science, Engineering and Technology* Volume 6, Issue 2, 2/1/2001, ISSN(Online) : 2319-8753, PP: 1903-1910.

81. E.Aruna Kanthi and Kavitha M, “Studies on Partial Replacement of Sand with Flyash in Concrete”, *European Journal of Advances in Engineering and Technology*, 1(2): 89-92, PP: 89-92.

CONFERENCE PUBLICATIONS:

1. Sambangi Arunchaitanya, Eluru Arunakanthi, “Behaviour of sustainable high strength self compacting concrete with electrically precipitated fly ash (EPFA) – A thermal waste”, *Materials Today: Proceedings*, Vol.65, 2022
2. K. Sundeep Kumar, PV Subba Reddy, E. Arunakanthi, “An experimental study on mechanical and durable properties of self -curing concrete by using Ferro silica slag aggregate. *IOP Conf: Earth and Env Science*, 2022
3. C. Rajamallu, T. Chandrasekhar Reddy, E. Arunakanthi, “Effect of chloride ion penetration and corrosion resistance in predicting service life of high volume GGBS self compacted concretes. *AIP Conference Proceedings*, 2021
4. Kumar J D C, Eluru Arunakanthi, “Experimental studies on portal frames made with palm oil shell light weight fiber reinforced concrete” *Journal of physics: Conference series*, Vol. 1979, 2021.
5. Durga Chaitanya KumarJagarapu and ArunakanthiEluru, “Strength and durability studies of lightweight fiber reinforced concrete with agriculture waste”, *Materials Today: Proceedings*, Scopus, 914-919, volume 27, part-2, 43862.
6. Durga Chaitanya KumarJagarapu and ArunakanthiEluru, “Experimental Analysis of Light Weight Fiber Reinforced Concrete by incorporating palm oil sheels”, *Materials Today: Proceedings*, Scopus, 850-858, volume 19, part-2, 43709
7. HemanthBalineni, Durga Chaitanya KumarJagarapu, ArunakanthiEluru, “Analysis of dry and wet connections in precast beam-column joint using ABAQUS Software”, *Materials Today: Proceedings*, Scopus, 287-295, Vol 33, Part-1, 43922
8. B.Pavan , Durga Chaitanya KumarJagarapu, ArunakanthiEluru, “Assay of moment resisting precast and monolithic frames using ABAQUS software”, *Materials Today: Proceedings*, Scopus, 162-169, Vol 33, Part-2, 43922
9. Pavan Prasad B. a, Sai Maanvit P. a, Durga Chaitanya Kumar Jagarapu a, Arunakanthi Eluru b, “Flexural behavior of fiber reinforced concrete incorporation with lathe steel scrap”, *Materials Today: Proceedings*, Scopus, 196-200, Vol 33, Part-2, 43922

10. Bala Gopal Adapala, Durga Chaitanya Kumar Jagarapu, Syed Hamim Jeelani, B. Sarath Chandra Kumar and Arunakanthi Eluru, "Sustainable use of polypropylene fibers and palm oil fuel ash in the production of geopolymer concrete", *IOP Conf. Series: Materials Science and Engineering*, Scopus and WOS, 1 14, Volume 1136, 44368
11. Kristam Srikanth, Durga Chaitanya Kumar Jagarapu, T Venkat Das, Syed Hamim Jeelani and Arunakanthi Eluru, "Evaluation of the effective mechanical properties of palm oil fuel ash based fiber reinforced concrete", *IOP Conf. Series: Materials Science and Engineering*, , 1 10, Volume 1137, 44368
12. Durga Chaitanya Kumar Jagarapu and Arunakanthi Eluru, "Flexural Behaviour of Light Weight Reinforced Concrete made with Agro Industrial Waste", *IOP Conf. Series: Materials Science and Engineering*, Scopus and WOS, , 1130, April – 2021.
13. S. Arun Chaitanya, E. Arunakanthi, "Fresh and mechanical properties of SCC with fly ash and copper slag as mineral admixtures", *Materials Today: Proceedings*, Scopus and WOS, 677–681, 45

WORKSHOP ATTENDED:

1. Participated in a Two-Day Workshop on "Development of MOOCs and Production Techniques" organized under TEQIP –III, during 17th and 18th January 2020, at Prof. S. Tiruvengalam memorial seminar hall, Department of EEE, JNTUACEA.
2. Participated in TEQIP –III sponsored Three-Day National Workshop on Pedagogical Skills for Faculty in Outcome –Based Education held during 6-8 December 2019, conducted at JNTUACEA.
3. Participated in a One Day Workshop on "Awareness on OBE for Preparation and Applying to NAAC", organized under TEQIP –III, on 11th November, 2019, at Department of EEE, JNTUACEA.
4. Participated in a Day Workshop on "WATER RESOURCES IN RAYALASEEMA REGION" conducted in Civil Engineering Department on 7th and 8th March 2018.
5. Participated in a One Day Workshop on "WIND ENERGY CONVERSION SYSTEMS" on 13th April 2016 which is conducted under AP RUSA at Prof. S. Tiruvengalam memorial seminar hall, Department of EEE, JNTUACEA.
6. Participated in a One Day Workshop on "Innovations in Technology", on 9th December, 2015, at JNTUACEA.

7. Participated in a One Day National Level Workshop sponsored by UGC, New Delhi on “Training Program for NBA Criteria and Accreditation Process” on 3rd March 2015 organised by JNTUACEA.
8. Participated in a One Day Workshop on “AWARENESS ON CREATING CENTRES OF EXCELLENCE “on 26th JUNE 2015 at Chemical Engineering Department., seminar hall, JNTUACEA.
9. Participated in a One Day Workshop on “AWARENESS ON WASHINGTON ACCORD FOR OUTCOME BASED EDUCATION” on 4th AUGUST 2015 at College Auditorium, JNTUACEA.
10. Participated in a One Day Workshop on “AWARENESS ON IT/ITES JOB ROLES & BIG DATA ANALYTICS”, on 20th AUGUST 2015 at College Auditorium, JNTUACEA.
11. Participated in a One Day Workshop on “CYBER SECURITY”, on 8th October, 2015, at JNTUACEA.
12. Participated in a One Day Workshop on “Innovations in Technology”, on 9th December, 2015, at JNTUACEA.
13. Participated in a One Day Workshop on “ROLE OF WOMEN IN ENGINEERING EDUCATION THROUEG IEEE”, on 19th September, 2015, at JNTUACEA.

FACULTY DEVELOPMENT PROGRAMS:

1. Participated in a One week workshop on “Emerging Trends in Civil engineering for Disaster Management”, during 23/12/2024 to 28/12/2024, conducted at JNTUACEA.
2. Participated in a One week workshop on “Recent trends in Sustainable Technology and IOT Applications in Construction Industry”, during 11/12/2023 to 16/12/2023, organized under SRIT
3. Participated in 5 Day Faculty Development Program on "Awareness on Electric/Hybrid Vehicle Engineering", Organised under TEQIP-III from 21st-25th January 2020 at EEE Seminar Hall, JNTUACEA.
4. Participated in Two-Week Faculty Development Program sponsored by AICTE on "Mathematical Modelling and Simulation for Scientists & Engineers" organized by Chemical Engineering Dept, JNTUACEA during 24-02-2020 to 07-03-2020.

5. Participated in the one-week online Faculty Development Programme on Recent research developments in materials engineering and mechanical design – organized in the dept. of Mechanical Engg. During 21st to 25 July 2020.
6. Participated in the Five-day national level Faculty Development Programme for educators of environmental studies – conducted by the dept. of Chemical Engineering Department., seminar hall, JNTUACEA during 21st to 25th of 2020.
7. Participated in four-day online Faculty Development Programme on Challenges and opportunities of energy and sensor applications- During 23rd to 26 September 2020. Organized by Department of EEE, JNTUACEA.
8. Participated in TEQIP III sponsored one week Faculty Development Programme on leadership skills –During 19th to 24th august 2019 conducted at JNTUACEA.
9. Participated in TEQIP III sponsored one week Faculty Development Programme on research methodology and data analysis –During 23rd to 28th September 2019 conducted at JNTUACEA.
10. Participated in TEQIP III sponsored one week Faculty Development Programme on reinforcing professional communication skills for teaching faculty–During 11th to 15th June 2018 conducted at JNTUACEA.
11. Participated in TEQIP III sponsored one week Faculty Development Programme on soft skills and personality development skills –During 10th to 14th December 2018 conducted at JNTUACEA.
12. Participated in Faculty Development Programme on big data analytics –During 20th to 22nd February 2017 conducted at JNTUACEA.
13. Participated in the Faculty Development Programme on “AGILE METHODOLOGIES”, on 25th FEBRAUARY, 2015, at JNTUACEA.

CONFERENCES:

1. Chaired in 2nd international conference on advances in civil engineering – during 21st to 23rd march 2019 at KLEF green fields, Vaddeswaram, Guntur
2. Presented a paper titled as “service life prediction of self-compacting concrete with respect to chloride ion penetration – state of the art report- at Osmania university campus - Hyderabad on 29th June 2019

3. Presented a paper titled as “effect of sea water on bethamcherla stone powder waste Geo-polymer concrete - international conference on recent innovation in engineering – science and management – on 23rd November 2019 at Osmania university campus - Hyderabad

WEBINARS:

1. Participated in the webinar Impact of covid 19 on the development rural economy on 27-07-2020
2. Participated in the webinar National with rehabilitation of bridges, construction engineering for cantilever bridges on 29-05-2020
3. Participated in the webinar Climate changed impact on water resources management and environment 15 to 19-07-2020

SHORT TERM COURSES:

1. Participated in one-week AICTE sponsored STTP on Nano Technology and Functional Courses held from 27-07-2020 to 1-08-2020 organized by department of Civil Engineering, SRIT, ANATHAPURAMU
2. Participated in one-week AICTE sponsored STTP on Earth Quake Analysis of Tall Buildings held from 06-08-2020 to 12-08-2020 organized by department of Civil Engineering, SRIT, ANATHAPURAMU
3. Attended University Training and Orientation Centre (UTOC), Andhra University, Visakhapatnam organized by the National Service Scheme Empanelled Training Institution, Ministry of Youth Affairs and Sports, Govt. Of India, 15-03-2013 to 21-03-2013.
4. Lecture deliver on earth quake structure During RACE 2013 in JNTUA College of Engineering, Anantapur.
5. Attended Certificate Course in Computer Aided Engineering (ANSYS) in JNTU Anantapur, 01-06-2013 to 07-06-2013
6. Participated in two week National Level Faculty development Programme on “Applications of Geomatics for Disaster Management” organized by the JNTU Hyderabad, 30-12-2013 to -11-13-2014. Sponsored by All India council for Technical Education, New Delhi.

7. Participated in National workshop on “Mathematical and Computational Methods in Fluid Dynamics” organized by the JNTU Anantapur 10-01-2013 to 11-01-2013. Sponsored by All India council for Technical Education, New Delhi.
8. Participated in two day workshop on “outcome Based Education Approach in Engineering Curriculum” organized by the JNTU Anantapur 26th and 27th August, 2014.
9. Participated in one day workshop on Human values and Professional Ethics, “Engineering Inner Excellence”, organized by the JNTU Anantapur, on 5th July 2014.
10. Participated in one day seminar on “Quality of education in private Engineering Colleges”, organized by the JNTU Anantapur, on 8th July 2014.
11. Attended Faculty Development Programme on Entrepreneurship, organized by the JNTU Anantapur, on 6th July 2015- 18th July 2015.
12. Attended training course on “Sustainable Development & Management of Ground Water Resources” Held in J.N.T.U, Anantapur, from 20-07-2015 to 24-07-2015.
13. Participated in one day National level workshop on “ training program for NBA Criteria and Accreditation Process” organized by the JNTUA College of Engineering Anantapur on 3rd March, 2015.
14. Participated in one day workshop on “ Innovations in Technology” organized by the JNTU Anantapur, 9th December,2015
15. Participated in one day workshop on “ Role of Women in Engineering Education through IEEE” organized by the JNTU Anantapur, 19th September,2015
16. Participated in one day workshop on “ Wind Energy Conversion Systems” organized by the JNTU Anantapur, 13th APRIL ,2016
17. Attended Faculty Development Programme on Agile Methodologies, organized by the JNTU Anantapur, on 25th Feb 2015.
18. Participated in one day workshop on “Cyber Security” organized by the JNTU Anantapur, 8th October, 2015.
19. Participated in one day workshop on “ Awareness on IT/ITES job Roles & Big data Analytics” organized by the JNTU Anantapur, 20th August ,2015
20. Participated in one day workshop on “ Awareness on Washington Accord for Outcome Based Education” organized by the JNTU Anantapur, 4th August ,2015

21. Participated in one day workshop on “ Awareness on creating centres of Excellence” organized by the JNTU Anantapur, 26th June ,2015
22. Participated in UGC Sponsored one day National Workshop in Robot Technology on 29/9/2011.
23. Participated in the refresher course on Design and Applications of Robotic systems and Advanced Mechanisms, organized by JNTU Hyderabad, 8-3-2010 to 31-3-2010.
24. Participated in the community service program under TEQIP “car care exposure” organized by JNTU Anantapur, 30th MARCH, 2009.
25. Participated in Faculty development program under TEQIP “Free software- A Research Perspective” organized by JNTU Anantapur, 12th -13th MARCH, 2009.
26. Participated in the community service program under TEQIP “Energy Management for women” organized by JNTU Anantapur, 31th MARCH, 2009.
27. Participated in Faculty development program in “program in Entrepreneurship” organized by JNTU Anantapur, 10th -24th Feb, 2009.
28. Participated in the workshop HIGH PERFORMANCE CONCRETE organized by JNTU Anantapur, 24th Feb, 2006.
29. Participated in the HRD workshop on Effective Governance through Institutional Leadership organized by JNTU Anantapur, 28th & 29th April, 2006.
30. Participated in TEQIP funded two-week short training programme organized by JNTU Hyderabad and Anantapur, 27th Feb to 11th March, 2006.
31. Participated in National conference on Environmental Effects on Civil Engineering Structures organized by JNTU Anantapur, 14th -15th July, 2006.
32. Participated in one day training programme on “Design, construction and maintenance of rural roads” organized by the JNTU Anantapur, 16th September 2006.
33. Participated in the refresher course on Digital image processing and Softcopy Photogrammetric organized by JNTU Hyderabad, 03-12-2005 to 22-12-2005.
34. Participated National conference on recent advances in structural engineering organized by JNTU Anantapur, 09th September 2004.
35. Participated in one day National Conference on, “Advanced trends in Mechanical Engineering Research and development”, organized by the JNTU Anantapur, on 18th October 2011.

SOCIAL /VOLUNTARY SERVICES:

- NSS coordinator for JNTUA College of Engineering JNTUA from March 2013 to March 2015.
- Organized NSS programme “Swamy Vivekananda message to youth on personnel management” by Swamy Bodhamayananda on 09/07/2013.
- Organized “National Education day “on 11/11/2013.
- Organized “Blood Donation camp on the eve of Birth anniversary of Pandit Jawaharlal Nehru on 14/11/2013.
- Organized NSS special camp at YSR colony, Kurugunta village, Anantapur (Dist.) for one week from 12/02/2014 to 18/02/2014.
- Organized NSS Rally for enabling India’s youth to realize their dreams by Rajiv Gandhi Khel Abhiyan (RGKA) and National youth policy 2014 on 24/02/2014.
- Organized a National level student symposium in 2014, RACE-2014.
- Organized a Free Eye check-up camp for two days i.e. on 12/08/2014 and 13/08/2014.
- Organized Engineers Day on 15/09/14.
- Organized “Plantation programme” on NSS day celebrated on 24/09/14.
- Organized SWACHA BHARATH PROGRAMME in the campus for three days from 09/09/14 to 22/10/14.

SUBJECTS TAUGHT AND EXPERT IN TEACHING IN THE FOLLOWING:

UG COURSES	PG COURSES
Strength of Materials	Finite Element Methods
Structural Analysis -I	Theory of Elasticity
Structural Analysis – II	Stability Structures
Surveying	Experimental stress analysis
Finite Element Methods	Prestressed concrete
Prestressed concrete	