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Expertise

Agronomy

Received doctorate in civil Engineering from NITW, Involved in NBA/NAAC accreditation Processes and in getting autonomous, deemed University status to KLEF University. Expert in Multi storied apartment RCC buildings During teaching career the following subjects taught Engineering Mechanics, strength of Materials, Structural Analysis, Design of Reinforced Concrete Structures, Design of bridges, Prestressed concrete, Limit Analysis of Structures Consultancy services being in structural designs of

Work experience

1. Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada 2016 — 2003

Professor and Head
Krishna

2. KLE University 2014 — 2016

Director and Head
Guntur

3. Sri Vasavi Institute of Engineering and Technology, Nandamuru 2012 — 2014

Principal
krisna

4. Lakireddy Balireddy College of Engineering, Mylavaram 2010 — 2012

Controller of Examinations
krishna

5. Amara Institute of Engineering and Technology, Satuluru 2009 — 2010

Principal
Guntur

6. Koneru Lakshmaiah College of Engineering 2003 — 2009

Professor and Head
Guntur

7. Kakatiya Institute of Technology and Science, Warangal 1991 — 2003

Assistant Professor
Warangal

Education

1. PhD - 2004

National Institute of Technology, Waranagal

2. M.E - 1991

Walchand College of Engineering, Sangli

3. B.Tech - 1989

Acharya Nagarjuna University, Guntur

Honours and Awards

1. Dr.Abdul Kalam Life time Achievement national Award - 2019

International Institute for Social and Economic reforms®, Bangalore

2. Adarsh Vidya Saraswati Rashtriya Puraskar - 2019

Global Management Council

3. One of the Best Teacher Award - 2019

Global Management Council

4. **HOD of the Year Award 2019 - 2019**

Institute of Scholars (InSc)

5. **Outstanding Doctoral Thesis Advisor Award - 2019**

Amaravathi Research Academy

6. **Jai Upadhyay puraskar - 2017**

Lions Club, Vijayawada

7. **Best teacher gold medal award - 2007**

KL University formerly known as KL College of Engineering

8. **Best teacher gold medal award - 2006**

KL University formerly known as KL College of Engineering

9. **Best teacher gold medal award - 2005**

KL University formerly known as KL College of Engineering

10. **Best teacher gold medal award - 2004**

KL University formerly known as KL College of Engineering

11. **Certificate of Appreciation - 2004**

KL University formerly known as KL College of Engineering

Research Project

Development of an equation for Predicted 28-day Compressive strength of Concrete mixes with Ground Granulated Blast Furnace Slag(GGBS) by Accelerated curing method

Role: Co investigator

Year 2018, Amount 205000

study on metakaolin based Geopolymer concrete

Role: Main Investigator

Year 2016, Amount 200000

Creation of Geospatial based data for water and air quality management using GIS

Role: Main Investigator

Year 2015, Amount 71000

Estimation of Time Overruns Using Regression Analysis

Role: Main Investigator
Year 2014, Amount 50000

Publication

1. Embodied energy and operational energy computations for a typical g+3 residential building in vijayawada city of andhra pradesh, india

Vengala J.;Ramesh K.;Manjunatha M.;Dharek M.S.;Kumar B.K.S.
International Journal of Advanced Technology and Engineering Exploration, Volume 8, Year 2021, Pages 1049-1058

2. Developmental Mathematical Relation Between Compressive Strength of different grades of OPC concrete with stone dust as Fine aggregates by accelerated curing and normal curing

Ramesh.K; K.N.A.G.K. Manikanta
TEST Engineering and Management, Volume , Year 2020, Pages 14201-14204

3. Influence of carbon steel fibers on the flexural crack width of RC beam

Ramesh.K; Paruchuri Venkata Rao, B.Sarath Chandra Kumar
IOP Conference Series: Materials Science and Engineering, Volume 912, Year 2020, Pages 1-13

4. Strengthening of RC Beams with M-Sand using external bonding of steel plates

Ramesh.K; Pulikonda Suman, B.Sarath Chandra Kumar
IOP Conference Series: Materials Science and Engineering, Volume 912, Year 2020, Pages 1-12

5. EXPERIMENTAL STUDY ON GROUND GRANULATED BLAST FURNACE SLAG AND METAKAOLIN BASED GEOPOLYMER CONCRETE: GEOPOLYMER CONCRETE

Dr.B.Sarath Chandra Kumar and Dr.K.Ramesh
Geopolmer Concrete, Volume , Year 2020, Pages

6. Correlation between Compressive Strength and Split Tensile Strength of GGBS and MK Based Geopolymer Concrete using Regression Analysis

B. Sarath Chandra Kumar, Sadasivan Karuppusamy, K. Ramesh
JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES, Volume 14, Year 2019, Pages 21--36

7. Durability studies on Concrete with Ferro Chrome slag as partial replacement of fine aggregate

Ramesh.K; K.N.A.G.K. Manikanta
International Journal of Engineering Research and Technology(IJERT), Volume 8, Year 2019, Pages 159-164

8. **Strength and Durability studies on Concrete with Ferro Chrome slag as partial replacement to fine aggregate**
Ramesh.K; K.N.A.G.K. Manikanta
International Journal of Recent Technology and Engineering(IJRET), Volume 8, Year 2019, Pages 754-758
9. **Mathematical Modelling of Displacements in Building Frame Founded on Pile Groups Embedded in Sand. Advances in Geotechnical and Transportation Engineering**
Ramesh.Ketal;
Advances in Geotechnical and Transportation Engineering. Springer Nature Singapore Pte Ltd.(2020), Volume , Year 2019, Pages 193-198
10. **Study on Concrete with Ceramic Waste as Partial Replacement of Coarse Aggregate**
Ramesh.K; K.N.A.G.K. Manikanta¹, K.L.A.V. Harnadh
Journal of Advanced Cement & Concrete Technology, Volume 19, Year 2018, Pages 14-18
11. **Analytical study on Flexural behavior of Reinforced Geopolymer Concrete beams by ANSYS**
IOP conference series: material Science and Engineering, , Year 2018
12. **Durability Studies of GGBS and Metakaolin based Geopolymer Concrete**
Sarath Chandra Kumar, B.;Ramesh, K.
International Journal of civil Engineering and Technology(IJCIET), Volume 8, Year 2017, Pages 17-28
13. **Effect of Alkali Activators on Compressive strength of Geo Polymer Mortars with GGBS and Metakaolin**
Proceedings of 6th World Conference on Applied Sciences, Engineering & Technology(BRCORP), , Year 2017
14. **Flexural behavior of Reinforced Geo polymer Concrete Beams with GGBS and Metakaolin**
Global Journal of Engineering Science and Researches,, Year 2017
15. **An Experimental Investigation on Flexural behavior of GGBS and Metakaolin based Geo Polymer Concrete**
ARPN Journal of Engineering and Applied Sciences, Year 2017
16. **Durability Studies of GGBS and Metakaolin based Geopolymer Concrete.**
International Journal of civil Engineering and Technology(IJCIET), Year 2017
17. **Experimental Study on Metakaolin and GGBS based Geopolymer Concrete**
International Journal of Engineering and Technology(IJET), Year 2017
18. **Flexural behavior of reinforced Geo polymer Concrete Beams with GGBS and Metakaolin.**
Proceedings of national conference on Recent Advances in Civil Engineering For Global Sustainability, Year 2017

19. Flexural behaviour of reinforced geopolymer concrete beams with ggbs and metakaolin
Proceedings of national conference SPACE 2017, Year 2017
20. Experimental study on Strength Properties of Metakaolin and GGBS based Geopolymer Concrete
Sarath Chandra Kumar, B.;Ramesh, K.
, Volume 11, Year 2016, Pages 12414-12422
21. Experimental study on Strength Properties of Metakaolin and GGBS based Geopolymer Concrete
ARPN Journal of Engineering and Applied Sciences, Year 2016
22. .Strength Properties of Coir Fibre Reinforced Fly Ash Based Geo Polymer Concrete (CFRGPC)
International Journal of Civil Engineering research(IJCER), Year 2016
23. Terrain analysis of exponentially sprawling urban environs of Hyderabad, Telangana, India - An integrated geospatial and seismo-tectonic approach
International Journal of Applied Engineering Research, Year 2016
24. An Experimental Study on Metakaoline and GGBS based Geo Polymer concrete with 10Molar activator
Proceedings of national conference on Environment and Renewable Energy(NCEE-15)., Year 2015
25. An Experimental Study on Metakaoline and GGBS based Geo Polymer concrete.
Proceedings of national conference on Environment and Renewable Energy(NCEE-15), Year 2015
26. Experimental Study on Coi Fiber Reinforced Fly ash based geopolymer Concrete with 10 molar NaOH activator
Proceedings of national conference on Environment and Renewable Energy(NCEE-15), Year 2015
27. Experimental Study on Coi Fiber Reinforced Fly ash based geopolymer Concrete with 14 molar NaOH activator
Proceedings of national conference on Environment and Renewable Energy(NCEE-15)., Year 2015
28. Studies on Mechanical Properties of Geo polymer Concrete with GGBS and fly ash
Proceedings of national conference on Environment and Renewable Energy(NCEE-15), Year 2015
29. Study on the behavior of Fly ash based Geo polymer Concrete 10 molar NaOH Activator
Proceedings of national conference on Environment and Renewable Energy(NCEE-15)., Year 2015
30. Study on the behavior of Fly ash based Geo polymer Concrete 12 molar NaOH Activator.

Proceedings of national conference on Environment and Renewable Energy(NCEE-15),, Year 2015

31. Study on the behavior of Fly ash based Geo polymer Concrete 14 molar NaOH Activator.

Proceedings of national conference on Environment and Renewable Energy(NCEE-15), Year 2015

32. Study on the behavior of Fly ash based Geo polymer Concrete 16 molar NaOH Activator.

Proceedings of national conference on Environment and Renewable Energy(NCEE-15), Year 2015

33. Study on the behavior of Fly ash based Geo polymer Concrete 18 molar NaOH Activator

Proceedings of national conference on Environment and Renewable Energy(NCEE-15), Year 2015

34. Study on the behavior of Fly ash based Geo polymer Concrete 20 molar NaOH Activator.

Proceedings of national conference on Environment and Renewable Energy(NCEE-15),, Year 2015

35. Study on the behavior of Fly ash based Geo polymer Concrete 8 molar NaOH Activator

Proceedings of national conference on Environment and Renewable Energy(NCEE-15), Year 2015

36. Behavior of reinforced concrete beams provided with Hybrid Ferro Fiber Concrete (HFFC) at critical sections

International Journal of Engineering Research and Technology, Year 2014

37. Experimental Study on Engineered Ferro Fiber Concrete (EFFC) under Axial Compression

International Journal of Engineering, Technology, Management and Applied Science (IJETMAS), Year 2014

38. Experimental Study on Engineered Fiber Reinforced Concrete under Axial Compression.

International journal of Engineering Research and Technology, Year 2014

39. Behavior of Hybrid Ferro fiber concrete beams under flexure

International conference on earthquake engineering, Year 2006

40. Experimental studies on Metakaolin concrete

National conference at SASTRA University, Year 2006

41. An Experimental Study On Effect of Aluminum Oxide On Strength and Corrosion Resistance of Concrete

First National Conference on RDSE-2005, Year 2005

42. Confined Ferro Fiber Concrete

National Conference on MAST-2004, Year 2004

43. **Constitutive behavior of Confined Fiber Reinforced concrete Under Axial Compression**
K.Ramesh; Seshu,D.R; M.Prabhakar
Journal of Cement and Concrete composites, Volume 25, No.3, Year 2003, Pages 343-350
44. **Moment curvature characteristics of Hybrid Ferro Fiber Concrete (HFFC) Beams**
K.Ramesh; Seshu,D.R; M.Prabhakar
Journal of Ferrocement, Volume 33, Year 2003, Pages 15-28
45. **Constitutive behaviour of confined fibre reinforced concrete under axial compression**
Cement and Concrete Composites, Year 2003
46. **Behavior of Hybrid Ferro fiber concrete under axial compression**
K.Ramesh; Seshu,D.R; M.Prabhakar
Journal of Ferrocement, Volume 32, Year 2002, Pages 125-130
47. **Constitutive behavior of Hybrid Ferro Fiber Concrete under axial compression**
K.Ramesh; Seshu,D.R; M.Prabhakar
Journal of Ferrocement, Volume 32, Year 2002, Pages 287-303
48. **A study of tie confined fiber reinforced concrete under axial compression.**
Journal of Concrete Science and Engineering, Year 2002
49. **Behavior of Hybrid Ferro fiber concrete under axial compression.**
Journal of Ferrocement, Year 2002
50. **ENGINEERED FERRO FIBER CONCRETE (EFFC)**
National conference AICM - 2002, Year 2002
51. **Hybrid Ferro Fiber Concrete (HFFC)**
Seventh International Symposium (FERRO - 7) On Ferrocement and Thin Reinforced Cement Composites, Year 2001
52. **A study of tie confined fiber reinforced concrete under axial compression**
K.Ramesh; Seshu,D.R; M.Prabhakar
RILEM Journal of Concrete Science and Engineering, Volume 02, Year 2000, Pages 230-236
53. **Confined fiber reinforced concrete (CFRC)**
Proceedings of Twenty Fifth Anniversary International Conferences on Our World in Concrete and Structures, Year 2000
54. **Fiber reinforced silica fume concrete**
International conference on construction Industry: Challenges for sustainable development, disaster management, Environment management, Year 2000

55. **Ductility behavior of Ferrocement Confined Reinforced Concrete (FCRC) under axial Compression**

All India Seminar on Cement Industries: Challenges & Prospects, Year 1999

56. **Cost Effectiveness of Fly ash Concrete Design Mixes**

National Seminar on Role of engineering Institutions, construction Industry & Building research Institutes in low cost construction, Year 1996

57. **Introduction of Silica fume In Concrete**

National Seminar on Role of engineering Institutions, construction Industry & Building research Institutes in low cost construction, Year 1996

58. **Vaasthu In Building Construction**

Second National Conference on Vastu Vidya - 96, Year 1996

59. **Shape effect of Test specimen On Compressive Strength of Concrete**

National Workshop on Construction Materials, Year 1994

60. **Study on Concrete with Ceramic Waste as Partial Replacement of Coarse Aggregate.**

Journal of Advanced Cement & Concrete Technology,, Year 0