

RESUME

Name: B.AJITHA
Designation: Assistant Professor
Civil Engg. Department
J.N.T.U.A College of Engineering
ANANTAPUR- 515 002
Nationality: Indian
Contact Mail ID: ajitha123.civil@jntua.ac.in
Contact Number: 9533666677

1. QUALIFICATIONS:

Course	Name of the Institution studied	Name of the University	Year of graduation	% of marks obtained
SSC	TGLV High School ADONI	SSC	1991	74%
Intermediate/Diploma	Coles Memorial Jr college Kurnool	BOARD OF INTERMEDIATE	1994	65.3%
B. Tech/B.E.	JNTUCE A	JNTUH	1994-98	70%
M. Tech/M.E	JNTUCE H	JNTUH	2004-12	71%
Ph.D.	JNTUA	JNTUA	2024	

2. EXPERIENCE

POST	EMPLOYER	PERIOD	YEARS
Assistant Professor	Registrar, JNT University Hyderabad	10-01-2003 to Till date	19 Years
Total Teaching experience			19 Years

3. SUBJECTS OF PROFICIENCY

Always rated as a very good teacher by the students. The various subjects taught at U.G. & P.G level are listed below.

Under Graduate Level:

1. Constitution of India

2. Environmental Impact Assessment
3. Strength of Materials
4. Concrete technology
5. Building materials and construction
6. Geology
7. Mechanics of Solids

Post Graduate Level:

1. C++ & data structures
2. Artificial Neural Networks

4. RESEARCH EXPERIENCE

A) Publications: Involved in active research in the following fields of Engineering & Technology.

- High-strength-concrete
- Fibre Reinforced Concretes
- Artificial Neural Networks

Published 70 research papers in various National & International Journals, National & International Conferences, workshops, and symposiums.

B) Guiding Research:

M.Tech Level	...	Guided 60 M. Tech dissertations.
B.Tech Level	...	Guided more than 50 B. Tech projects.

5. CONSULTANCY SERVICES

Member of Industrial Consultancy Service (ICS) group at JNTU College of Engineering, Anantapur for the past 11 years, and actively involved in generating funds to the University.

6. ADMINISTRATIVE POSTS HELD

1. Acted as Officer In Charge of Academic Section Looking after the examination work including confidential work like evaluation of papers,

publishing results etc., at Academic Section for 2 years from March 2010 to March 2013.

2. Acting as Co-ordinator - SC/ST Students Book Bank of J.N.T.U.A. College of Engineering Anantapur from March 2008 to till date.
3. Acted as Co-ordinator – Central Library of J.N.T.U.A. College of Engineering Anantapur from March 2013 to April 2019
4. Acting as Co-ordinator – Women Empowerment cell of J.N.T.U.A. College of Engineering Anantapur from April 2019 to till date

7. ORGANIZATION OF CONFERENCES, SYMPOSIUM, COMMUNITY SERVICES, AND WORKSHOPS

Organized several **Conferences/Seminars/Workshops** to update faculty proficiency and knowledge resources and to integrate the research at National Level. The list of various Conferences/Seminars/Workshops organized is given below.

Organization of Conferences/Workshops/Symposium/Community services program

Organized the following programs as Coordinator:

1. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 14th March 2008 at JNTUA Civil Dept
2. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 21st March 2011 at JNTUACEA Civil Dept
3. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 11th March 2018 at JNTUACEA Civil Dept
4. Organized one day National Work shop program on SKYSCRAPERS on 20th March 2018 at JNTUACEA Civil Dept
5. Organized one-day National CAD CONTEST training Program on 21st March 2018 at JNTUACEA Civil Dept
6. Organized a One week faculty development programme on “Innovative Teaching- Learning Techniques in Higher Education” under TEQIP-III from 03-09- 2019 to 08-09-2019 (Six days) at JNTUACEA. Mechanical Dept

7. Organized a one-day on “Workshop program on “MODERN BUILDING MATERIALS” on 5th May 2022 at JNTUACEA Civil Dept.
8. Organized One day National Level Student Symposium on “ Recent Advances in Civil Engineering “ on March 12th 2010 at JNTUACEA Civil Dept
9. Organized A CAD CONTEST training Program on 6th May 2022 at JNTUACEA Civil Dept.
10. Organized one-day National level Technical Symposium on “Recent Advances in Civil Engineering” conducted on 6th May 2022 at JNTUACEA Civil Dept.

Orientation and Refresher courses attended:

1. Attended Refresher course on “remote sensing and GIS” from 13-06-2008 to 03-07-2008 at Academic Staff College, JNTU Hyderabad
2. Attended Refresher course on “**ENTREPRENEURSHIP DEVELOPMENT CELL at JNTUH College of Engineering Hyderabad held on 6th july-2015 to 18th july-2015**, JNTU Hyderabad
3. Attended Orientation course on “ Value Education” from 23-07-2011 to 20-08-2011 at Academic Staff College, JNTU Hyderabad
4. Attended Refresher course on “ Design and Applications of Robotic Systems and Advanced Mechanisms” from 08-03-2010 to 31-03-2010 at Academic Staff College, JNTU Hyderabad
5. Attended a One-week Short term course on “ Effective communication and soft skills for Academicians” from 26-03-2012 to 31-03-2012 at Academic staff college, JNTU Hyderabad
6. Attended a One-week Short term course on “Disaster Management” from 18-02-2013 to 23-02-2013 at Academic staff college, JNTU Hyderabad
7. Attended a One-week Short term course on “Applications of Nano Technology” from June 10-06-2013 to 15-06-2013 at Academic Staff College, JNTU Hyderabad

Short term courses attended

1. Attended Short term Training Program (STTP) (**Two-Week Program**) organized by Mechanical Dept JNTUA on “Engineering Applications of Finite Element Analysis Using ANSYS” from 27-02-2006 to 11-03-2006
Attended Faculty Development Program on “ Free Software- A Research Perspective” organized by Computer Science Dept JNTUA from 12-13 March 2009.
2. Attended One-day Academic exchange Program on “Formal and Web-based Methodologies for Effective Research” (FAWMER-2009) Organized by Mechanical Engineering Dept at JNTUA on 23rd March 2009
3. Attended Community Service Program on “Car Care Exposure” organized by Mechanical Engineering Dept at JNTUA on 30th March 2009
4. Attended Community Service Program on “ Energy Management for Women” Organized by Mechanical Engineering Dept. JNTUA on 31st March 2009
5. Attended one day Workshop on “ Compatibility Issues between Cement & Chemical Admixture in Concrete” at Osmania University, Hyderabad being held on 17th September 2010 Organized by Indian Concrete Institute Andhra Pradesh, Hyderabad
6. Participated in a one-day seminar on "Quality of education in private Engineering colleges" held on July 8th, 2014 at JNTUA College of Engineering, Anantapur organized by Akhil Bharatiya Vidyarthi Parishad(ABVP), Anantapur
7. Participated in a two-day workshop on "Outcome-based Education Approach in Engineering Curriculum" sponsored by UGC, New Delhi organized by JNTUA College of Engineering, Anantapur during 26th & 27th August 2014
8. Participated in FDP Program on Agile Methodologies held on 25th February 2015 at JNTUA College of Engg. Anantapur organized by TCS Hyderabad

9. Participated in One day National Level Workshop sponsored by UGC, New Delhi on Training Program for NBA Criteria and Accreditation Process, Organised by JNTUA College of Engineering Anantapur on 3rd March 2015
10. Attended the State level NSS youth festival at JNTU Anantapur during 12th & 13th February 2015 organized by JNTU University Anantapur
11. Participated and attended two-week Faculty Development Programme on Entrepreneurship organized by JNTUA College of Engineering Hyderabad Kukatpally Hyderabad in association with JNTUA College of Engineering Anantapur during 6th July to 18th July 2015 sponsored by Entrepreneurship Development Institute of India under DST-NIMAT 2014-2015
12. Attended one-week training program on "Sustainable Development & Management of Ground Water Resources" Organised by Ministry of Water Resources, River Development & Ganga Rejuvenation, Central Groundwater Board, Southern Region under the aegis of Rajiv Gandhi National Groundwater Training & Research Institute, Raipur held at JNTU Anantapur, AP from 20-07-2015 to 24-07-2015
13. Participated in one day workshop on Awareness on Washington Accord for Outcome-Based Education on 4th August 2015 at JNTUA College of Engineering Anantapur
14. Participated in One day workshop on "Awareness on IT/ITES Job roles & Big data Analytics", on August 20th, 2015 at JNTUA College of Engineering Anantapur
15. Participated in One day workshop on "Role of Women in Engineering (WIE) Education through IEEE, on 19th September 2015 at JNTUA College of Engineering Anantapuramu
16. Participated in One day Workshop on "Cyber Security" on 8th October 2015 held at JNTUA College of Engineering Anantapur
17. Participated in A day workshop on "Innovations in Technology" on 9th December 2015 at JNTUA College of Engineering in association with ITE & C.Dept., Govt.of AP.

18. Appointed as Chief Faculty Co-Ordinator in zonal rounds at JNTUA CEA organized by ARK Technosolutions & Robokart.com in association with CEAFest 2016, IIT Madras conducted on 09-03-2016
19. Participated in One day Workshop on "Wind Energy Conversion Systems", conducted by AP RUSA at JNTUA CEA on 13th April 2016
20. Acted as Judge of the events at the State level NSS youth festival at JNTU Anantapur on 23rd January 2017 organized by JNTU University Anantapur
21. Attended Faculty Development Program on "Big Data Analysis" from 20th Feb to 22nd Feb 2017 at JNTUA College of Engineering Ananthapur
22. Attended Two-day Workshop on "Water Resources in Rayalseema Region", Issues, Challenges, and Solutions conducted by Civil Engineering Dept, JNTUA College of Engineering Ananthapur on 7th & 8th March 2018
23. As a resource person delivered a lecture on Advanced Concrete Technology organized by Centre for Learning Technology, Kalasalingam Academy of Research & Education on 21st April 2018
24. Attended One-week Faculty Development Program on "Reinforcing Professional Communication Skills for Teaching Faculty" from 11 to 15th June 2018 sponsored by Teqip-III organized by Department of Humanities, JNTUA College of Engineering, Ananthapur
25. Participated in one-week FDP on Soft Skills and Personality Development organized by the Department of Humanities at JNTUA College of Engineering from Dec 10-14- 2018
26. Participated in TEQIP-III sponsored One Week Faculty Development Program on Leadership Skills during 19-24 August 2019 conducted at JNTUA College of Engineering Ananthapur in association with University College of Engineering & Technology Bikaner Technical University Bikaner, Rajasthan
27. Participated in One Week Faculty Development Programme on "Innovative Teaching-Learning Techniques in Higher Education", sponsored by TEQIP-III held at Mechanical Department, JNTUA College of Engineering, Ananthapur during 04-09-2019 to 09-09-2019

28. Participated in One Week Faculty Development Program on "Research Methodology and Data Analysis", sponsored by TEQIP-III conducted by Department of Humanities on 23-28 September 2019, at JNTUA College of Engineering Ananthapur
29. Participated in Three Day National Workshop on Pedagogical Skills for Faculty in Outcome-based Education, Held on 6-8th December 2019 sponsored by TEQIP-III conducted by JNTUA College of Engineering Ananthapuramu
30. Participated in 3 day International Conference on "System Automation, Reliability, Quality Control, Safety, Maintenance and Management" during 11th-13th December 2019 at JNTUACEA under TEQIP-III
31. Participated in Two-day Workshop on "Development of MOOC's and Production Techniques" organized by TEQIP-III during 17th and 18th January 2020, by JNTUA College of Engineering, Ananthapur held at EEE Seminar hall, JNTUA CEA
32. Participated in One Day Workshop on Good Construction Practices under TEQIP-III Organized by Civil Engineering Department, JNTUACEA on 21-12-2019
33. 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
34. 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
35. Participated in One month online Faculty Development Program sponsored by AICTE on "Revit Architecture" organized by SkillDzire.
36. Participated in One-Week Faculty Development Program sponsored by AICTE on "Sustainable Wastage Management Technologies", JNTUACEA, During 16/12/2024 to 21/12/2024.

List of Publications

Details	National (No.)	International (No.)	Details	National (No.)	International (No.)
Journals	--	70	Conferences	06	10
Symposiums	3	---	Workshops	05	---

International Journal:

1. Melt-Densified Post Consumer Recycled Plastic Bags Used As Lightweight Aggregate In Concrete, International Journal of Engineering Research and Applications (IJERA) www.ijera.com, July-August 2012
2. Local Construction And Demolition Waste Used As Coarse Aggregates In Concrete, International Journal of Engineering Research and Applications (IJERA), B. Ajitha, September-2012
3. Local Construction And Demolition Waste Used As Coarse Aggregates In Concrete, International Journal of Engineering Research and Applications (IJERA) www.ijera.com, September- October 2012
4. Mitigation of Migration of Municipal Solid Waste Leachate using Geosynthetic Clay Liners in Urban areas of Papua New Guinea –B. Ajitha, Moses Zakkam, 2nd International Conference on Emerging Trends in Energy and Environment 9th & 10th January, 2014 Sri Sairam Engineering College, Chennai
5. Mitigation of Migration of Municipal Solid Waste Leachate using Geosynthetic Clay Liners in Urban areas of Papua New Guinea –B. Ajitha Moses Zakkam IJIRSET Volume 3, Special Issue 1, January 2014
6. LATERAL SYSTEMS IN TALL BUILDINGS FOR MEDIUM SOIL TYPE AND DIFFERENT SEISMIC ZONES International Journal of Engineering Research & Technology Volume. 3 , Issue. 09 , September – 2014
7. SEISMIC ANALYSIS IN TALL BUILDINGS FOR HARD SOIL TYPE AND DIFFERENT SEISMIC ZONES International Journal of Engineering Research & Technology Volume. 3 , Issue. 10 , October - 2014
8. Numerical Modeling and Analysis of slabs N.R.Gowthami Dr.K.Ramanjaneyulu ,B.Ajitha3 International Journal For Research & Development in Technology
a. Volume: 2, Issue: 4, Oct -2014
9. PERFORMANCE OF LATERAL SYSTEMS IN TALL BUILDINGS FOR SOFT SOIL TYPE AND DIFFERENT SEISMIC ZONES International Journal of Engineering Research & Technology Volume. 3 , Issue. 11 , November - 2014
10. SEISMIC ANALYSIS IN TALL BUILDINGS FOR HARD SOIL TYPE AND DIFFERENT SEISMIC ZONES International Journal of Engineering Research & Technology Volume. 3 , Issue. 10 , October – 2014
11. In Plane shear behavior of steel- Foam Concrete Composite Wall Panels B.Ajitha K.Sai Lakshmi P.Prabha G.S Palani International Journal of Research & Technology Volume. 4 , Issue. 03 , March – 2015

12. Seismic Behavior of High Rise Building for Soft Soil in All Seismic Zones Mrs. B.Ajitha Shaik Fayaz IJSRD - International Journal for Scientific Research & Development| Vol. 3, Issue 06, 2015 | ISSN (online): 2321-0613
13. Seismic Analysis of Lateral Systems in Tall Buildings for Different Soil Type and Seismic Zones Mrs. B.Ajitha Thambisetty. Jaya Krishna IJSRD - International Journal for Scientific Research & Development| Vol. 3, Issue 05, 2015 | ISSN (online): 2321-0613
14. Workability Studies on Fibre Reinforced Concrete Using Bethamcherla Marble Stone as a Replacement of Natural Aggregate C. Naresh , B. Ajitha V. Ramesh Babu C. Sashidhar, International Research Journal of Engineering and Technology (IRJET) Volume 2, Issue 4 July 2015
15. Workability Studies on Fibre Reinforced Concrete Using Bethamcherla Marble Stone as a Replacement of Natural Aggregate, International Research Journal of Engineering and Technology (IRJET), B. Ajitha, 04-07-2015
16. The Wind and Seismic Analysis on Different Heights of Building by Using ETABS, The Research Publication, July-December 2016
17. Using Pushover Analysis Vulnerability Analysis of RC Buildings B. Ajitha INTERNATIONAL JOURNAL FOR RESEARCH IN EMERGING SCIENCE AND TECHNOLOGY, Nov-2016
18. Vulnerability analysis of RC buildings Using Pushover Analysis, IJREST, NOV-2016
19. Analysis and design of a high rise thin Buildings, IJETMAS-2017, 26TH March 2017
20. Concrete reinforced with coconut fibers, IJESC, April-2017
21. Evaluation Of Properties of Self Curing Concrete By Using Polyvinyl Alcohol, International Journal Of Advanced Technology In Engineering And Science, 4th April 2017
22. Inclusion Of Coir Fiber In High Strength Concrete Blended With Silica Fume, International Journal Of Advanced Technology In Engineering And Science, 4th April 2017
23. Estimation Of Desired Properties Of Self Curing Concrete Using Admixture, ICRTSM-2017, 23, April 2017.
24. A Study On Mechanical Properties Of High Strength Metacem Admixture Concrete, IJETMAS, 23, April 2017
25. Behavior Of A Building With Outrigger System, International Journal Of Innovative Research In Science And Engineering, 5, May 2017
26. Human hair as Fiber reinforced concrete, IJESC, May-2017

27. Behavior of a Building with Outrigger System, Proceedings of 6th International Conference on Recent Development in engineering science, humanities and management, Kasi Venkatesh, B. Ajitha, May-2017
28. The Analysis and design of G+40 storey regular structure with different shear walls for loose soils, International Journal of advance Research in science and Engineering www.ijarse.com, May- 2017
29. Strength properties based on the compressive strength testing adding two admixtures with replacement of cement, Andhra Pradesh science congress-2017, November-2017
30. A Study On Mechanical Properties Of High Strength Concrete With Metacem Admixture , International Journal of Research, April-2018
31. Study of High Strength Concrete using Coir Fibre Blended with Silica Fume, IJAERD, April-2018
32. A Study on Workability and High Strength Concrete with Admixtures, Silica Fume and Micro Alumina Oxide, International Journal for Research in Applied Science & Engineering Technology (IJRASET), April-2018
33. STUDY AND PERFORMANCE OF HIGH STRENGTH CONCRETE, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), April-2018
34. AN EXPERIMENTAL INVESTIGATION HIGH STRENGTH CONCRETE, INTERNATIONAL JOURNAL OF TECHNICAL INNOVATION IN MODERN ENGINEERING & SCIENCE (IJTIMES), September-2018
35. AN EXPERIMENTAL INVESTIGATION HIGH STRENGTH CONCRETE USING ADMIXTURES, JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH, September-2018
36. STUDY AND PERFORMANCE OF HIGH STRENGTH CONCRETE BY ADDING ADMIXTURES, JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH, November-2018
37. A Study on Workability and High Strength Concrete with Admixtures, Silica Fume and Micro Alumina Oxide, International Journal for Research in Applied Science & Engineering Technology (IJRASET), December-2018
38. Rapid chloride permeability test for durability studies on high strength using micro Al₂O₃, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), December-2018
39. Experimental Investigation for Workability and Compressive Properties of High Strength Concrete with Al₂O₃, International Journal of Advanced Science and Technology, Vol. 28, No. 20, (2019), pp. 706 – 717

40. An Investigation on High Strength Concrete using Fibers with Al₂O₃, International Journal of Advanced Science and Technology, Volume 7 Issue II, Feb 2019
41. SIZE EFFECT STUDIES ON GEOPOLYMER CONCRETE, GLOBAL ENVIRONMENTAL CHANGES AND SUSTAINABLE DEVELOPMENT ICGECSD 19, April-2019
42. Mechanical Properties of Geopolymer Concrete, International Journal of Recent Technology and Engineering, July-2019
43. Study and analysis of concrete strength parameters using redmud as partial replacement of cement with and without hydrated lime, The International journal of analytical and experimental modal analysis, September- 2019
44. Strength and durability of concrete by using silica fume and GGBS , The International journal of analytical and experimental modal analysis, September- 2019
45. Experimental investigation on strength and durability properties of M30 grade concrete by partial replacement of cement by marble powder and addition of steel fibers, The International journal of analytical and experimental modal analysis, September- 2019
46. Static & response spectrum analysis of high rise multi planned residential building using etabs, The International journal of analytical and experimental modal analysis, September- 2019
47. STRENGTH AND DURABILITY OF CONCRETE BY USING SILICA FUME AND GGBS, The International journal of analytical and experimental modal analysis, Banala Charan B. Ajitha, September-2019
48. Study and analysis of concrete strength parameters using red mud as partial replacement of cement with and without hydrated lime, The International journal of analytical and experimental modal analysis, E. Praveen Kumar Reddy B. Ajitha, September-2019
49. EXPERIMENTAL INVESTIGATION ON STRENGTH AND DURABILITY PROPERTIES OF M30 GRADE CONCRETE BY PARTIAL REPLACEMENT OF CEMENT BY MARBLE POWDER AND ADDITION OF STEEL FIBERS, The International journal of analytical and experimental modal analysis, Sravanamoni Jagadeesh, B. Ajitha, September-2019
50. STATIC & RESPONSE SPECTRUM ANALYSIS OF HIGH RISE MULTI PLANNED RESIDENTIAL BUILDING USING ETABS, The International journal of analytical and experimental modal analysis, B. AJITHA B.LAKSHMIDEVI, September-2019
51. Implementation of Artificial Neural Networks to Predict Void Content, International Journal of Advanced Science and Technology, 21-12-2019

52. Enhancement of Compressive Strength of Concrete With different Proportions of Micro Al₂O₃ blended with concrete by Using ANN Method, International conference on System Automation , reliability, Quality control, Safety, Maintenance and Management-2019, Rajani sai, B. Ajitha, November-2019
53. Experimental study on the Durability of High strength concrete, International conference on System Automation , reliability, Quality control, Safety, Maintenance and Management-2019, B. Ajitha, November-2012
54. Implementation of Artificial Neural Networks to Predict Void Content, International Journal of Advanced Science and Technology, B. Ajitha B. Muktha Pranathi, November-2012
55. Rapid Chloride Permeability Studies on High Strength Concrete with Nano Al₂O₃ and Silica Fume, International Journal of Advanced Science and Technology, H. Sudarsana Rao B. Ajitha, March-2020
56. Analysis and Design of Marine Structures in LTTD Plant at ANDROTH Island of UT Lakshadweep, **Sersc Journals** International Journal of Future Generation Communication and Networking, 07-04-2020
57. Effect on High Strength Concrete by Partial Replacement of Cement with Nano Alumina Micro Alumina and Fly Ash, International Journal of Future Generation Communication and Networking, B. Ajitha S. Javeed Basha, 23-04-2020
58. Rapid Chloride Permeability Studies on High Strength Concrete with Nano Al₂O₃ and Silica Fume, International Journal of Advanced Science and Technology, 27-04-2020
59. Review on Shear Strengthened RC Rectangular beams with FRP Composites, K V Satyanarayana, B. Ajitha
60. Comparative Assessment of domes, 2nd International Conference on Future Communication & Computing Technology(ICFCCT-2021) B. Ajitha, HARI PRIYA ADAVALA, 27 Oct 2021
61. A Study on the High Strength Concrete Properties using Nano Silica and Micro Silica, International Research Journal of Engineering and Technology(IRJET), B. Ajitha, Avvari Narendra, 11 November 2021
62. Study on the Properties of Concrete by Incorporating Metakaolin and Marble Dust, International Research Journal of Engineering and Technology(IRJET), B. Ajitha, 12 December 2021
63. Influence of Recycled Aggregates and Fly Ash on the Properties of Concrete, The International Journal of Analytical and Experimental Mode Analysis, B. Ajitha, December-2021
64. A Research Paper on Seismic Retro Fitting of Pure Masonry Structure, ISSN: 0011-9342, 2021

65. INVESTIGATION OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH NANO ALUMINA AND MICRO ALUMINA, THE INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS, 28-03-2022
66. Investigation of Concrete by Partial Replacement of Cement with Nano Alumina and Micro Alumina, International Journal of Analytical and Experimental Mode Analysis, B. Ajitha, Veeraboina Mahendra, March-2022
67. Linear Static Analysis of G+16 Floated Column Building, International Journal of Analytical and Experimental Mode Analysis, B. Ajitha, June-2022
68. Earthquake Resistant Thin High Rise Building Design with SAP 2000, International Journal for Research in Engineering Application & Management, B. Ajitha, 06 Sep 2022
69. DURABILITY PROPERTIES OF CONCRETE CONTAINING METAKAOLIN, MARBLE DUST AND SLAG SAND FOR HIGH STRENGTH CONCRETE, B. AJITHA, SHAIK SONY SULTHANA
70. DURABILITY PROPERTIES OF CONCRETE CONTAINING NANO SILICA AND SLAG SAND FOR HIGH STRENGTH CONCRETE, B. AJITHA, S. YESWANTH SAI KRISHNA
71. EXPERIMENTAL INVESTIGATION ON DURABILITY PROPERTIES OF CONCRETE WITH PARTIAL REPLACEMENT OF CEMENT BY METAKAOLINE AND FLYASH, JOURNAL OF HARBIN ENGINEERING UNIVERSITY, B. AJITHA, K. PAVAN KUMAR REDDY, Nov 2023.
72. COMPRESSIVE STRENGTH PREDICTION OF CONCRETE CONTAINING USED COOKING OIL USING ANN, INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND EXPLORING ENGINEERING, B.AJITHA, D SUNEEL KUMAR, Oct 2023.
73. EXPERIMENTAL INVESTIGATION ON STRENGTH AND WORKABILITY PROPERTIES OF CONCRETE WITH PARTIAL REPLACEMENT OF CEMENT BY METAKAOLIN AND RICE HUSK ASH, JOURNAL OF HARBIN ENGINEERING UNIVERSITY, B.AJITHA, B. LAKSHMI PRARTHAP NAIK, Nov 2023.
74. EFFECT OF LEAD RUBBER BEARING ON SEISMIC RESPONSE OF REGULAR AND IRREGULAR FRAMES IN ELEVATION, JOURNAL OF HARBIN ENGINEERING UNIVERSITY, B. AJITHA, P. BHANU PRAKASH, Nov 2023.
75. EXPERIMENTAL STUDY ON STRENGTH OF CONCRETE USING SLAG SAND AND PARTIAL REPLACEMENT OF CEMENT WITH ALCCOFINE, CHINA PETROLEUM PROCESSING AND PETRO CHEMICAL TECHNOLOGY, B.AJITHA, P. SRAVAN KUMAR, Oct 2023.
76. DAMAGE ASSESSMENT IN BUILDING USING PYTHON AND DEEP

- LEARNING, JOURNAL OF SURVEY IN FISHERIES SCIENCES, B.AJITHA, K. CHAETHRA SRI, Nov 2023.
77. AN EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF FINE AGGREGATE BY WASTE GLASS AND COARSE AGGREGATE BY WASTE PLASTIC, JOURNAL OF NAMIBIAN STUDIES, B.AJITHA, S.P.RUKSANA, Nov 2023.
 78. AN EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF CEMENT WITH DOLOMITE POWDER, FLYASH BY USING SLAG SAND IN CONCRETE, JOURNAL OF HARBIN ENGINEERING UNIVERSITY, B. AJITHA, B. NIVAS BABU, Nov 2023.
 79. DURABILITY PROPERTIES OF HIGH STRENGTH CONCRETE CONTAINING FLY ASH, DOLOMITE AND SLAG SAND, INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND EXPLORING ENGINEERING, B.AJITHA, G.AKANKSHA, Nov 2023.
 80. STUDIES ON FLOOR ISOLATION IN G+14 RESIDENTIAL BUILDING FOR SEISMIC SAFETY BY USING SAP2000, JOURNAL OF Xi'an UNIVERSITY OF ARCHITECTURE & TECHNOLOGY, B.AJITHA, K.BHARATH KUMAR, Nov 2023.
 81. PREDICTION OF FLEXURAL STRENGTH OF CONCRETE BY USING ANN, B.AJITHA, G.SRAVANI, 2023.
 82. EFFECT OF THICKNESS, NUMBERS AND POSITIONS OF SHEAR WALLS ON SEISMIC BEHAVIOUR OF MULTISTORIED STRUCTURE, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY, B. AJITHA, C.SREENIVASA REDDY, Nov 2024.
 83. COMPARATIVE ANALYSIS OF SEISMIC BEHAVIOUR IN MULTI STOREY STRUCTURES UTILIZING ETABS FOR RCC AND COMPOSITE COLUMN SYSTEMS EVALUATION THROUGH PUSHOVER ANALYSIS, CORROSION AND PROTECTION, B.AJITHA, G.HEMALATHA DEVI, Nov 2024.
 84. EXPERIMENTAL INVESTIGATION ON STRENGTH PROPERTIES OF CONCRETE WITH PARTIAL REPLACEMENT OF CEMENT BY METAKOLIN AND ALCCOFINE, INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY, B.AJITHA, R.BALAJI NAIK, Oct 2024.
 85. AN EXPERIMENTAL STUDY ON M60 GRADE OF CONCRETE WITH PARTIAL REPLACEMENT OF CEMENT WITH METAKAOLIN, ALCCOFINE AND FLYASH, JOURNAL OF Xi'an UNIVERSITY OF ARCHITECTURE & TECHNOLOGY, B.AJITHA, N.SAMBA SIVA, NOV 2024.

86. EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF CEMENT BY METAKAOLINE AND EGG SHELL POWDER, JOURNAL OF TECHNOLOGY, B.AJITHA, T.NIKHIL, NOV 2024.
87. ANALYSIS OF SEA WALL BY USING ETABS AND PYTHON PROGRAMMING, JOURNAL OF TECHNOLOGY, B.AJITHA, A.SANDEEP, NOV 2024.
88. EXPERIMENTAL STUDY ON STRENGTH OF M60 GRADE ARECA HUSK FIBER REINFORCED CONCRETE, JOURNAL OF TECHNOLOGY, B.AJITHA, K.S VIJAYA KUMAR, Nov 2024.

List of M.Tech Projects Guided

<i>S.No.</i>	<i>Name of the Degree Awarded (Ph.D/PG/ M.Phil)</i>	<i>Status</i>		<i>Year of Award of degree/16 ubmiss 16ubmiss ionn</i>	<i>Title of the Thesis Supervised</i>	<i>Name of the Awardee</i>
		<i>Degree awarded</i>	<i>Thesis submitted</i>			
<i>1</i>	<i>PG</i>	<i>awarded</i>		<i>2014</i>	<i>Ultimate Load behavior of segmental composite slabs</i>	<i>N.R.Gowthami</i>
<i>2</i>	<i>PG</i>	<i>awarded</i>		<i>2014</i>	<i>Deflection control in high rise buildings under seismic excitations using lateral systems</i>	<i>S.Sudheer</i>
<i>3</i>	<i>PG</i>	<i>awarded</i>		<i>2014</i>	<i>Performance of Lateral systems in tall buildings</i>	<i>K. Shaiksha vali</i>

					<i>for different soil type and seismic zones.</i>	
4	PG	<i>awarded</i>		2015	<i>Design and analysis of a residential apartment structure of I-section with seismic and wind analysis by using computer aided software.</i>	<i>B. Ayesha Farheen</i>
5	PG	<i>awarded</i>		2015	<i>Seismic Behavior of high rise building in all seismic zones for different soil types</i>	<i>Shaik Fayaz</i>
6	PG	<i>awarded</i>		2015	<i>Inplane shear behavior of steel foam concrete composite wall panels</i>	<i>K.Sai lakshmi</i>
7	PG	<i>awarded</i>		2015	<i>Seismic Analysis of lateral systems in tall buildings for different soil type and seismic zones.</i>	<i>T. Jaya KRISHNA</i>
8	PG	<i>awarded</i>		2015	<i>Effect of bethamchrla marble stone on strength and workability characteristics of fiber reinforced concrete.</i>	<i>C. Naresh</i>
9	PG	<i>awarded</i>		2016	<i>Human hair as a fiber reinforced concrete</i>	<i>GORANTLA SREEVANI</i>
10	PG	<i>awarded</i>		2017	<i>A study on mechanical properties of high strength metacem admixture concrete</i>	<i>NEELAM MANJULA</i>
11	PG	<i>awarded</i>		2016	<i>Inclusion of coconut shell as</i>	<i>VARAKAVI SAI UDAY</i>

					<i>fiber in high strength concrete blended with silica fume</i>	
12	PG	<i>awarded</i>		2016	<i>Evaluation of properties of self curing concrete by using</i>	GANTASAL A NIRUPAMA
13	PG	<i>awarded</i>		2016	<i>Inclusion of coir fiber in high strength concrete blended with silica fume.</i>	THEEGALA BHUVANA VIJAYA
14	PG	<i>awarded</i>		2017	<i>The Wind and seismic analysis on Different heights of building by using Etabs</i>	MUDE NAV EEN NAIK
15	PG	<i>awarded</i>		2016	<i>Vulnerability analysis of rc buildings using pushover analysis</i>	DULIPALLA SPURTHI
16	PG	<i>awarded</i>		2016	<i>An experimental investigation on high strength concrete blended with silica fume as a cement replacement.</i>	MADDI ESWAR KUMAR
17	PG	<i>awarded</i>		2017	<i>Analysis & Design of a high rise thin bulding With X Bracings using Etabs</i>	NOOKALA NIRUPA
18	PG	<i>awarded</i>		2017	<i>The Analysis and design of G+40 storey regular structure with different shear walls.</i>	KUNDAVAR AM CROWN MOJES
19	PG	<i>awarded</i>		2017	<i>Behavior of a building with outrigger systems</i>	KASI VENKATES H
20	PG	<i>awarded</i>		2017	<i>Analysis and design comparison of</i>	B. Aliveli mangamma

					<i>set back and set & Step back models with & with out bracings for multistoried building</i>	
21	PG	awarded		2018	<i>An Experimental exploration of high strength concrete using nano al₂o₃ and silica fume</i>	<i>M. Lavankumar Reddy</i>
22	PG	awarded		2018	<i>An Experimental investigation on high strength concrete using silica fume and nano alumina oxide.</i>	<i>K. ravi kiran</i>
23	PG	awarded		2018	<i>Study and performance of high strength concrete using nano al₂o₃ and silica fume</i>	<i>M.hima bindu</i>
24		awarded		2018	<i>Experimental evaluation of high strength concrete using silica fume and superrplasticizer</i>	<i>B.Havilah grace</i>
25	PG	awarded		2018	<i>Rapid chloride permeability test for durability studies on high strength concrete using nano al₂o₃ and silica fume</i>	<i>Y. Kavya</i>
26	PG	awarded		2018	<i>Behaviour of concrete with silica fume and aluminium oxide to sulphate and acid solutions.</i>	<i>K. Aparna</i>
27	PG	awarded		2018	<i>An experimental investingation on high strength concrete using nano al₂o₃</i>	<i>S.Shameel Basha</i>

28	PG	awarded		2018	AN Experimental investigation of high strength concrete using nano Al_2O_3 and silica fume	R. vamsidhar reddy
29	PG	awarded		2019	Study and performance of high strength concrete by adding admixture as Nano Al_2O_3	B.SHYAMAL A
30	PG	awarded		2019	Experimental study on the durability of cement blended with Al_2O_3	N. MARUTHI PRASAD
31	PG	awarded		2019	Study and analysis of concrete strength parameters using Red mud as partial replacement of binder content with and without hydrated lime	E. Praveen Kumar Reddy
32	PG	awarded		2019	Strength and durability of concrete by using silica fume and GGBS	B.Charan
33	PG	awarded		2019	Experimental investigation on strength and durability properties of M30 grade concrete by partial replacement of cement by marble powder and addition of steel fibers	S. Jagadeesh
34	PG	awarded		2020	Static & Response spectrum analysis of high	B. Lakshmi Devi

					<i>rise multi planned residential building using ETABS</i>	
35	PG		<i>submitted</i>		<i>Effect on high strength concrete by partial replacement of cement with nano alumina micro alumina and fly ash.</i>	<i>Shaik Javeed Basha</i>
36	PG		<i>submitted</i>		<i>Effect on high strength concrete by partial replacement of cement with nano alumina and fly ash.</i>	<i>V.Mahendra</i>
37	PG	<i>awarded</i>			<i>MECHANICAL PROPERTIES OF GEOPOLYMER CONCRETE</i>	<i>Poola Vyshali</i>
38	PG		<i>submitted</i>		<i>IMPLEMENTATION OF ARTIFICIAL NEURAL NETWORKS TO PREDICT VOID CONTENT</i>	<i>Bysani Muktha Pranathi</i>
39	PG		<i>submitted</i>		<i>PREDICTION OF COMPRESSIVE & FLEXURAL STRENGTHS OF NANO Al₂O₃ BLENDED WITH CONCRETE USING ANN</i>	<i>Ithadi Niharika</i>
40	PG		<i>submitted</i>		<i>Analysis and design of arine structures in LTTD plant at Androth Island at UT Lakshadweep</i>	<i>Mallela Harsha Vardhan</i>

41	PG		<i>submitted</i>			<i>Gonduraviteja</i>
42	PG		<i>submitted</i>		<i>Enhancement of Compressive Strength of Concrete With different Proportions of Micro Al₂O₃ blended with concrete by Using ANN Method</i>	<i>K.Sai Rajani</i>
43	PG	Awarded		2023	<i>Experimental Investigation On Durability Properties Of Concrete With Partial Replacement Of Cement By Metakaoline And Flyash</i>	<i>K Pavan kumar reddy</i>
44	PG	Awarded		2023	<i>Compressive strength prediction of concrete containing used cooking oil using ANN</i>	<i>D Suneel Kumar</i>
45	PG	Awarded		2023	<i>Experimental Investigation On Strength And Workability Properties Of Concrete With Partial Replacement Of Cement By Metakaolin And Rice Husk Ash</i>	<i>B. Lakshmiprathap naik</i>

46	PG	Awarded		2023	<i>Effect Of Lead Rubber Bearing On Seismic Response Of Regular And Irregular Frames In Elevation</i>	<i>P. Bhanu Prakash</i>
47	PG	Awarded		2023	<i>Experimental Study On Strength Of Concrete Using Slag Sand And Partial Replacement Of Cement With Alccofine</i>	<i>P. Sravan Kumar</i>
48	PG	Awarded		2023	<i>Damage assessment in Building Using Python and deep learning</i>	<i>K. Chaethra Sri</i>
49	PG	Awarded		2023	<i>An Experimental Study On Partial Replacement Of Fine Aggregate By Waste Glass And Coarse Aggregate By Waste Plastic</i>	<i>S.P.Ruksana</i>

50	PG	Awarded		2023	<i>An Experimental Investigation On Partial Replacement Of Cement With Dolomite Powder, Flyash By Using Slag Sand In Concrete</i>	<i>B Nivas Babu</i>
51	PG	Awarded		2023	<i>Durability Properties Of High Strength Concrete Containing Fly Ash, Dolomite And Slag Sand</i>	<i>G.Akanksha</i>
52	PG	Awarded		2023	<i>Studies On Floor Isolation In G+14 Residential Building For Seismic Safety By Using Sap2000</i>	<i>K. Bharath Kumar</i>
53	PG	Awarded		2023	<i>Prediction Of Flexural Strength Of Concrete By Using Ann</i>	<i>G.Sravani</i>

54	PG	AWARDED		2024	<i>Effect Of Thickness, Numbers And Positions Of Shear Walls On Seismic Behaviour Of Multistoried Structure</i>	<i>C. Sreenivasa Reddy</i>
55	PG	AWARDED		2024	<i>Comparative Analysis Of Seismic Behaviour In Multi Storey Structures Utilizing Etabs For Rcc And Composite Column Systems Evaluation Through Pushover Analysis</i>	<i>G.Hemalatha Devi</i>
56	PG	AWARDED		2024	<i>Experimental investigation on strength properties of concrete with partial replacement of cement by metakolin and alccofine</i>	<i>R.Balaji naik</i>
57	PG	Awarded		2024	<i>An experimental study on M60 grade of concrete with partial replacement of cement with metakaolin, alccofine and flyash</i>	<i>N. Samba siva</i>

58	PG	AWARDED		2024	<i>Experimental Study On Partial Replacement Of Cement By Metakaoline And Egg Shell Powder</i>	<i>T. Nikhil</i>
59	PG	AWARDED		2024	<i>Analysis Of Sea Wall By Using Etabs And Python Programming</i>	<i>A.Sandeep</i>
60	PG	AWARDED		2024	<i>Experimental Study On Strength Of M60 Grade Areca Husk Fiber Reinforced Concrete</i>	<i>K.S Vijaya Kumar</i>

PERFORMANCE APPRAISAL

✓ Consistent Academic Performance from SSC to Ph.D

SSC : 74%

○ Intermediate : 65.3%

○ B.Tech : 70%

○ M.Tech : 71%

✓ Teaching Experience : 19 Years

✓ Rated as very good teacher by the students through feedback forms

✓ Membership in Professional Bodies: (ISTE, FIE)

01 No.s

(B.Ajitha)