

RESUME



Name: **Dr. VAISHALI. G . GHORPADE**
Date of Birth: 10 -10-1970
Designation: Professor
Civil Engg. Department
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1. QUALIFICATIONS:

DEGREE	INSTITUTION/ UNIVERSITY	YEAR	CLASS	FIELD	% OF MARKS
B.Tech	JNTU College of Engineering, Anantapur	1992	First Class With Distinction	Civil Engg.	81.1%
M.Tech	JNTU College of Engineering, Anantapur	2001	First Class With Distinction	Structural Engg.	89.8%
Ph.D.,	JNT University, Hyderabad	2008	-	Structural Engg.	---

2. EXPERIENCE

POST	EMPLOYER	PERIOD	YEARS
Assistant Professor	Registrar, JNT University Hyderabad	03-02-2001 to 31-01-2011	10 Years
Associate Professor	Registrar, JNT University Anantapur	01-02-2011 to 31-01-2014	3 Year
Professor	Registrar, JNT University Anantapur	01-02-2014 to till to date	10 years 10 months
Total Teaching experience			24 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. Prestressed concrete
2. Concrete technology
3. Building materials and construction
4. Geology
5. Mechanics of Solids

Post Graduate Level:

1. Concrete Technology
2. Prestressed Concrete

4. RESEARCH EXPERIENCE

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

- High-performance-concrete
- Fibre Reinforced Concretes
- Glass Fibre reinforced Concretes
- Slurry Infiltrated Fibrous Concrete (SIFCON)
- Low-Cost Housing Materials and Techniques
- Artificial Neural Networks

Published 196 research papers in various National & International Journals, National & International Conferences, workshops, and symposiums.

B) Guiding Research:

Ph.D Level	...	Produced Eight Doctorates
M.Tech Level	...	Guided 96 M.Tech dissertations.
B.Tech Level	...	Guided more than 50 B.Tech projects.

C)Books Authored:

- 1) Co-Author for the book titled Finite Element Analysis of Slurry Infiltrated Fibrous Concrete Slabs, Lambert Publishers, Germany, 2019 (ISBN 13-978-620-2-07032-4
- 2) Co-Author for the book titled Studies on wood waste ash structural grade concrete for sustainability, Lambert Publishers, Germany, 2021 (ISBN 13-978-620-2-80296-3
- 3) Co-Author for the book titled Application of Numerical methods in Civil Engineering, COSMOS Scientific Publications, Chennai 2024
- 4) Co-Author for the book titled Fundamentals of Reinforced Concrete Structural Design, COSMOS Scientific Publications, Chennai 2024

D) Book Chapter:

S. No.	Details of the Publication	Details of the Book	Year of publication
1	Ghorpade, V.G., Subash, K.V., Anand Kumar, L.C. “Development of Mix Proportions for Different Grades of Metakaolin Based Self-Compacting Concrete”	Matsagar, V. (Editor) Advances in Structural Engineering. Springer, New Delhi. https://doi.org/10.1007/978-81-322-2187-6_132	2015

5. MEMBERSHIP IN PROFESSIONAL BODIES

- ☐ Fellow of Institution of Engineers, India (FIE) – F124368-5
- ☐ Life Member of Indian Concrete Institute (ICI) – LM – 9036
- ☐ Life Member of Indian Society of Technical Education (ISTE) --- LM--78506

6. 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.

7. ADMINISTRATIVE POSTS HELD

1) Acted as Entrepreneurship development cell (EDP) Coordinator for 2 years 4 months from August 2009 to January 2012 conducted various awareness programs on Entrepreneurship and various training programs of one-month duration on Business Skill Development Programs in association with renowned organizations like APITCO (Andhra Pradesh Industrial Training Consultancy Organization) and MSME-DI (Micro Small and Medium Enterprises- Development Institute) for the students to equip them with the required skills, knowledge and competencies for initiation of Entrepreneurship activities and also guided them in visiting various Small and Medium Enterprises.

2) Acted as Quality Control Expert Member since August 2009 till to date for the various Civil Engg construction works in JNTU University Anantapur. As part of this, involved in the regular inspection of various building sites and evaluating the quality of construction.

3) Acted as Placement Officer from January 19th, 2012 to March 10th, 2013, organized activities like conducting Pre Placement training programs to the students so that they develop a good personality and assist them to find a right job by conducting campus

recruitments by inviting various National and Multinational companies to the campus before they pass out.

4) Acted as HOD & BoS Chairman from March 7th, 2013 to 29th January 2015

5) Acted as ICS Coordinator & BOS Chairman for UG & PG for JNTUA CEA from June 2013 to January 2015

6) Acting as PG BoS Member for Affiliated Colleges of JNTU Ananthapur from 10-02-2017 to till date

7) Acted as UG BoS Chairperson for Affiliated colleges of JNTU Ananthapur from 10-02-2017 to September 2019.

8) Acted as a member of APSCHE in framing the statewide syllabus for UG Program

9) Acting as Director Research & Development , JNTUA University, Anantapur from 15-08-2024 till to date

8. ORGANISATION 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 workshop on High –Performance-Concrete, HPC-2006 at JNTU College of Engineering, Anantapur on 24th February 2006 at JNTUA Civil Dept
2. Community Services program on “Design, Construction, and Maintenance of Rural roads”. A training program for Gram Surpanches and Panchayat Raj Engineers conducted on 16th September 2006 at JNTUA Civil Dept
3. Community Services program (**Two Weeks**) on “Training of Masons on Construction Techniques” conducted from 11th – 23rd December 2006 JNTUA Civil Dept
4. National Conference on “Recent Advances in Structural Engineering” conducted on 9th March 2007 at JNTUA Civil Dept

5. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 10th March 2007 at JNTUA Civil Dept
6. Community Services program (**Three Weeks**) on “Survey and Concrete Technology hands-on experience for unemployed youth “. A training program for rural 10th class candidates conducted from 17th December 2007 – 10th January 2008 at JNTUA Civil Dept
7. Organized one-day National workshop on “Applications of Artificial Neural Networks in Civil Engineering “on 16th February 2008 at JNTUA Civil Dept
8. Organized one day National Conference on “Recent Advances in Structural Engineering” on April 4th, 2008 at JNTUA Civil Dept
9. Organized one-day National level student symposium on “Recent Advances in Civil Engineering” on January 23rd, 2009 at JNTUA Civil Dept
10. Organized A day awareness program on the “Industrial Motivation Campaign” an Entrepreneurship Development Program in association with MSME-DI (Micro Small & Medium Enterprises-Development Institute), Hyderabad in January 21st, 2010 at JNTUA Civil Dept.
11. Organized a two-day workshop on “Entrepreneurship Awareness Camp” an Entrepreneurship Development Program in association with APITCO (Andhra Pradesh Industrial Technical Consultancy Organization), Kurnool on January 22nd -23rd 2010 at JNTUA Civil Dept.
12. Organized One day National Level Student Symposium on “ Recent Advances in Civil Engineering “ on March 12th, 2010 at JNTUA Civil Dept
13. Organized A month training program on the “Business Skill Development Program” an Entrepreneurship Development Program in association with MSME-DI (Micro Small & Medium Enterprises-Development Institute), Hyderabad on February 19th – March 22nd, 2010 at JNTUA Mechanical Dept.
14. Organized One day Workshop on “Earthquake Resistant Structures” on 28th March 2009 at JNTUA Civil Dept
15. Organized one day workshop on “ Concrete mix Proportionating as per IS Code 10262:2009” in association with Ultra tech cements Ltd on January 19th, 2012 at JNTUA Civil Dept
16. Organized two-day National level Technical Symposium on “Recent Advances in Civil Engineering” conducted on 2nd & 3rd March 2012 at JNTUA Civil Dept

17. Organized One-day National level Technical Symposium on “Recent Advances in Civil Engineering” conducted on 1st March 2013 at JNTUA Civil Dept

9. Placements programs:

1. Organized One day program “TCS Commune Launch” concerning the placements on 9th February 2012 at JNTUCEA
2. Organized campus recruitment drive being conducted by BSPCL Company, Hyderabad on 16th February 2012
3. Organized campus recruitment drive being conducted by Centina systems, Hyderabad on 17th of February 2012
4. Organized One-day awareness program on Jumpstart program being conducted by Wipro, Hyderabad on 6th of March 2012
5. Organized 3 days Pre-placement training program for pre-final years being conducted by Career Path Solutions Pvt.Ltd, Hyderabad from March 12th to March 14th, 2012
6. Organized campus recruitment drive being conducted by Nandi Pipes, Nandyal on 16th March 2012
7. Organized a 3-day Pre-placement training program for final years being conducted by Career Path Solutions Pvt.Ltd, Hyderabad from 03-08-2012 to 05-08-2012
8. Organized a 3-day Pre-placement training program for final years being conducted by Career Path Solutions Pvt.Ltd, Hyderabad from 05-09-2012 to 07-09-2012
9. Organized one day workshop on “ Employability Skills” on 03-10-2012 for final years of all streams in association with TCS, Hyderabad
10. Conducted Recruitment Drive (Day 1) from 04-10-2012 to 06-10-2012 by inviting TCS, Hyderabad, and placed 121 students.
11. Conducted recruitment Drive (Day 2) on 04-12-2012 by inviting Capgemini and placed 43 students
12. Conducted recruitment drive by inviting ADP and placed 2 students

10. Organized the following programs as Organizing Committee member:

1. National Conference on Recent Advances in Structural Engineering conducted on 9th September 2004 at JNTUA Civil Dept
2. National level student symposium on Advances in Civil Engineering conducted on 1st March 2006 at JNTU Anantapur at JNTUA Civil Dept.

3. National Conference on Recent Advances in Structural Engineering (NCRASE-2006) conducted on 11th – 12th February 2006 at JNTU Kakinada
4. International Workshop on Concrete Fiber Composites, Special Concretes, and Structures (IWCSS-2008) conducted on 11th February 2008 at JNTU Kakinada, Civil Dept

11.Orientation and Refresher courses attended:

1. Attended Refresher course on “Computer Applications in Civil Engineering” from 13-11-2002 to 03-12-2002 at Academic Staff College, JNTU Hyderabad
2. Attended Refresher course on “ Advanced UNIX & C” from 07-04-2003 to 25-04-2003 at Academic Staff College, JNTU Hyderabad
3. Attended Orientation course on “ Value Education” from 23-07-2003 to 20-08-2003 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

11. 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 23 rd 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. Attended Asian Conference on “Ecstasy in Concrete” at IIT Madras, Chennai being held from 5th Dec-9th Dec 2010 Organized by ICI (Indian Concrete Institute) in association with IIT Madras, Chennai
7. 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
8. 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
9. Participated in FDP Program on Agile Methodologies held on 25th February 2015 at JNTUA College of Engg. Anantapur organized by TCS Hyderabad
10. 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
11. Attended the State level NSS youth festival at JNTU Anantapur during 12th & 13th February 2015 organized by JNTU University Anantapur
12. 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
13. 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

14. Participated in one day workshop on Awareness on Washington Accord for Outcome-Based Education on 4th August 2015 at JNTUA College of Engineering Anantapur
15. 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
16. 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
17. Participated in One day Workshop on "Cyber Security" on 8th October 2015 held at JNTUA College of Engineering Anantapur
18. 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.
19. 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
20. Participated in One day Workshop on "Wind Energy Conversion Systems", conducted by AP RUSA at JNTUA CEA on 13th April 2016
21. 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
22. Attended Faculty Development Program on "Big Data Analysis" from 20th Feb to 22nd Feb 2017 at JNTUA College of Engineering Ananthapur
23. 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
24. 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
25. 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

26. 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
27. 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
28. 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
29. 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
30. 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
31. 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
32. 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
33. Participated in One Day Workshop on Good Construction Practices under TEQIP-III Organized by Civil Engineering Department, JNTUACEA on 21-12-2019
34. 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
35. 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

Others:

Acting as a Reviewer for the esteemed Journal “Materials & Structures.”

List of Publications

Details	National (No.)	International (No.)	Details	National (No.)	International (No.)
Journals	2	148	Conferences	21	25
Symposiums	4	---	Workshops	04	---
Text Books	04		Monographs	----	

International Journal:

1. Rao, H.S., Vaishali G.Ghorpade and Mukherjee, A. (2006), “A *genetic algorithm based backpropagation network for simulation of stress-strain response of ceramic – matrix – composites*”, Computers and Structures, Elsevier Journal, Vol 84, Issue 5-6, January 2006, Pp 330 – 339. (**SCI & Scopus**)
2. Vaishali.G.Ghorpade., Sudarsana Rao. H & Ravindra. V (2009), “*Resistance of Fly ash based High-Performance Concrete in Acidic Environment* “Nature Environment and Pollution Technology, Vol.No.8, No.2, June-2009, Pp. 197-206.(**Scopus & UGC**)
3. Dr.Vaishali.G.Ghorpade., Prof.Sudarsana Rao.H and Prof. Ravindra.V, (2009), “*Durability studies on Silicafume based High-Performance Concrete*” Research Journal of Engineering and Technology, Vol.2, No.2, April-June 2009, Pp 34-38
4. Prof. Rao.H.S., Prof.Reddy.N.R.M, and Dr. Vaishali. G.Ghorpade, (2009), “*Effect of Polypropylene Fibers on the Workability and Strength Characteristics of Metakaolin Blended High-Performance Concrete*” Research Journal of Engineering and Technology, Vol.2, No.2, April-June 2010, Pp 51-57
5. Prof. Sudarsana Rao.H., Reddy.N.R.M and Dr.Vaishali.G.Ghorpade, (2009), “*Strength and workability of Metakaolin incorporated High-Performance Concrete*”, Research Journal of Engineering and Technology, Vol. 2, No.1, January-March 2009, Pp 16-23.

6. H. Sudarsana Rao., Vaishali.G. Ghorpade, N.V. Ramana and K.Gnaneswar, (2010), *“Response of sifcon two-way slabs under impact loading”*, International Journal of Impact Engineering, Elsevier Journal, Vol.37, Issue No.4, April 2010, Pp 452-458, **(SCI, SCI-Expanded & Scopus)**
7. Vaishali. G. Ghorpade and H. Sudarsana Rao, (2010), *“Strength and Permeability Characteristics of fiber-reinforced recycled aggregate concrete with different fibers”* Nature Environment and Pollution Technology, Vol.No.9, March 2010, Pp. 179-188 **(Scopus & UGC)**
8. Dr.Vaishali.G.Ghorpade and Dr.H.Sudarsana Rao, (2011), *“Chloride ion Permeability Studies of Metakaolin based High-Performance Concrete”*, International Journal of Engineering Science & Technology,(ISSN 0975-5462), Vol.No.3, Issue No.2, Feb 2011, Pp. 1617-1623
9. Dr.H.sudarsana Rao, Sri H.M.Somasekharaiah and Dr. Vaishali.G.Ghorpade, (2011), *“ Strength and Workability Characteristics of Fly ash based Glass fiber reinforced High-Performance Concrete”* International Journal of Engineering Science & Technology, (ISSN 0975-5462), Vol.No.3, Issue No.8, August 2011, Pp. 6266-6277
10. Vaishali.G.Ghorpade and Sudarsana Rao. H, (2011), *“Strength and permeability characteristics of fiber-reinforced high-performance concrete with recycled aggregates”*, Asian Journal of Civil Engineering, Springer Journal, (ISSN 1563-0854), Vol.13, Issue No.1, January 2012, Pp.55-77 **(Scopus)**
11. Sudarsana Rao.H, Somasekharaiah.H.M & Vaishali.G.Ghorpade, (2011), *“Strength and workability characteristics of Silicafume based Glass fiber reinforced High-performance concrete”*, Research Journal of Engineering and Technology,(ISSN 0974-2824), Vol.4, Issue 3, July-September 2011, Pp. 3-10.
12. Dr.H.Sudarsana Rao, Sri H.M.Somasekaraiah, & Dr.Vaishali.G.Ghorpade(2012), *“ Residual Compressive Strength of Fly Ash based Glass Fibre Reinforced High-Performance Concrete subjected to Acid Attack”*, International Journal of Engineering Science & Technology, (ISSN 0975-5462), Vol.4 No.01, January 2012, Pp 71-80
13. Dr. Vaishali G Ghorpade, (2011), *“Effect of wood waste ash on the strength characteristics of concrete”* Nature Environment and Pollution Technology,(ISSN 0972-6268), Volume 11, Issue No.1, March 2012, Pp 121-124 **(Scopus & UGC)**

14. H. Sudarsana Rao, H. M. Somasekharaiah and Vaishali.G.Ghorpade(2012), “*Strength and Workability Characteristics of Metakaolin based Glass Fibre Reinforced High-Performance-Concrete*” International Journal of Advances in Science and Technology, (ISSN 2229-5216), Vol. 4, No.2, March 2012, Pp 93-105(SCOPUS)
15. Dr.Sudarsana Rao.H, Subba Reddy P.V, Dr.Vaishali.G.Ghorpade and Dr.Chandrasekhara Reddy.T (2012), “ *Development of Genetic Algorithm based Hybrid Neural Network Model for Predicting the Ultimate Flexural Strength of Ferrocement Elements*” International Journal of Engineering Science & Technology,(ISSN 0972-5462), Vol.No.4, Issue No.3, March 2012, Pp. 867-873
16. Dr.H.Sudarsana Rao, Dr. Vaishali.G.Ghorpade & Dr. H.M. Somasekharaiah (2012), “ *Durability Studies on Metakaolin based Glass Fibre Reinforced High-Performance Concrete*”, International Journal of Advanced Scientific Research & Technology, (ISSN 2249-9954), Issue 02, Vol.2, April 2012, Pp 204-211
17. Dr.H.Sudarsana Rao, V.Showjendra Kumar Reddy, Dr.Vaishali.G.Ghorpade (2012),” *Influence of Recycled Coarse Aggregate on Punching Behaviour of Recycled Coarse Aggregate Concrete Slabs*”, International Journal of Modern Engineering Research (IJMER), (ISSN: 2249-6645), Vol.2, Issue 4, July-Aug.2012. Pp 2815-2820
18. Dr.H.Sudarsana Rao, K.Rajasekhar, Dr.Vaishali.G.Ghorpade (2012), “ *Finite Element Analysis of Slurry Infiltrated Fibrous Concrete two way Slabs subjected to Flexural Loading*”, International Journal of Engineering Science & Technology (IJEST), (ISSN 2278-9510), Vol.4, No.7 July 2012. Pp 201-210
19. Vaishali G.Ghorpade, H.Sudarsana Rao and M.Beulah (2012), “*Development of Genetic Algorithm Based Neural Network Model for Predicting Workability of High-Performance Concrete,*” International Journal of Research and Reviews in Applicable Mathematics & Computer Science,” (ISSN: 2249-8931), August 2012, Vol. 2, No 5, 2012, Pp 41-79.
20. Vaishali.G.Ghorpade, Sudarsana Rao, H., and Beulah, M. (2013), “*Development of genetic algorithm-based neural network model for predicting the strength of high-performance-concrete*”, International Journal of Engineering Research and Applications (IJERA), March-April 2013, Vol.3, No.2, Pp. 1687-1694 (ISSN: 2248-9622) (UGC)

21. Vaishali.G.Ghorpade, Sudarsana Rao, H., and Ramana Prasad, B.V. (2013), *“Deriving mix proportions for different grades of phosphogypsum based self-compacting concrete”*, International Journal of Engineering Research and Applications (IJERA), May –June 2013, Vol.3, No.3, pp. 467 to 473 (ISSN: 2248-9622) (UGC)
22. Vaishali.G.Ghorpade, Sudarsana Rao, H., and Munirathnam, K. (2013), *“Effect of natural rubber latex on strength and workability of fiber-reinforced high-performance-concrete with metakaolin admixture”*, International Journal of Engineering Research and Applications (IJERA), May-June 2013, Vol.3, No.3, pp. 827 to 831 (ISSN: 2248-9622) (UGC)
23. H.Sudarsana Rao¹, K.Munirathnam ², Vaishali. G.Ghorpade³, C.Sashidhar (2013),” *Influence of Natural Rubber Latex on Permeability of Fibre Reinforced High-Performance Concrete”*, International Journal of Innovative Research in Science, Engineering & Technology(IJRSET), July 2013, Vol.2, Issue 7, Pp 2715-2720 (ISSN: 2319-8753)
24. Er.Venkateswara Rao, Dr.P.G.Sastry, Dr. Vaishali G Ghorpade (2013),” *Desertification, the global environmental problem and its impact on food & water resources,*” International Journal of Scientific and Engineering Research (IJSER),(ISSN 2229-5518), May 2013, Vol.No.4, Issue 5, Pp 306-309 (UGC)
25. Vaishali.G.Ghorpade (2013), *“Effect of Recycled Coarse Aggregate on Workability and Shear strength of Fibre Reinforced High Strength Concrete,”* International Journal of Innovative Research in Science, Engineering and Technology (IJRSET), ISSN 2319-8753, Vol.2, Issue.8, August 2013, Pp 3377-3383
26. H.sudarsana Rao, Vaishali. G .Ghorpade (2013),” *Strength Assessment of Blended Cement Concrete with Water containing Sulphuric Acid,*”, International Journal of Civil Engineering and Technology (IJCET), September-October 2013,(ISSN 0976-6308), Vol 4, Issue 5, Pp 09-14 (Scopus)
27. P.K.Ravindra, Dr.Vaishali, Dr.B.C.Udhayasankar(2013),” *Analysis and Assessment of Flow and Strength behavior of CLSM with LYSE and Abram’s rule as Basis,*” International Journal of Engineering Research and Application (IJERA), ISSN: 2248-9622, Vol. 3, Issue 5, Sep-Oct 2013, pp.1474-1479 (UGC)
28. Sudarsana Rao Hanchate, Valikala, Vaishali.G.Ghorpade (2013), *“Influence of Water Giridhar Absorption of the CeramicAggregate on Strength Properties of Ceramic*

Aggregate Concrete”, International Journal of Innovative Research in Science, Engineering & Technology(IJIRSET), ISSN: 2319-8753, Vol. 2, Issue 11, November 2013, Pp 6329-6335

29. Vaishali G Ghorpade, H Sudarsana Rao and V Giridhar(2013), “Effect of Ceramic Recycled Aggregate on Chloride Ion Permeability of Concrete”, International Journal of Emerging Trends in Engineering and Development (IJETED), ISSN 2249-6149, Vol.No.6, Issue 3, November 2013, Pp 244-250
30. B.Siva Konda Reddy, Dr.Vaishali.G.Ghorpade, Dr.H.Sudarsana Rao,(2013), “Effect of Magnetic Field Exposure time on Workability and Compressive Strength of Magnetic Water Concrete” International Journal of Advanced Engineering Technology (IJAET), ISSN 0976-3945, IV/III/July-Sep 2013, Pp 120-122
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Engineering Dept on 23rd April 2015 Vallammai Engineering College,
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National Workshops:

1. Sudarsana Rao, H., Vaishali, G. and C. Sashidhar (2001) "*Effect of Super Plasticizer on the Durability of High Strength Concrete*". Proc. Of the National workshop on 'Advances in Structural Engineering', S.V.U. College of Engineering, Tirupathi, India, 21-22 December, pp. 137-143
2. Sudarsana Rao, H., C. Sashidhar and Vaishali, G. (2001) "*Studies on the strength and workability properties of condensed Silica fume concrete*". Proc.of the National workshop on 'Advances in Structural Engineering', S.V.U. College of Engineering, Tirupathi, India, 21-22 December, pp. 144-149
3. Dr.Vaishali G.Ghorpade attended A day workshop on "Human Values and Professional Ethics titled, "Engineering Inner Excellence", on 05/07/14 organized by JNTUA.
4. Dr.Vaishali G.Ghorpade, attended a Two-day workshop, sponsored by University Grants Commission, New Delhi on "Outcome Based Education Approach in Engineering Curriculum" organized by JNTUACEA during 26/08/14 & 27/08/14.

National Seminars:

1. Dr.Vaishali G.Ghorpade attended A day Seminar on "Quality of education in private Engineering colleges", held on 08/07/14 organized by ABVP.

National Symposium:

1. Rao H.S., Vaishali G., Mukherjee A. and Reddy T.R. (2001)," *A 2-D Finite Element Program for Analysis of Brittle Matrix Composites*", Proc. Of National Symposium on 'Impact of Computers and Information technology in Civil & Structural Engineering', Civil Engg. Dept., Karunya Institute of Technology, Coimbatore, 24-25 August, pp 113-119.
2. Rao H.S., Vaishali G., Sashidhar C. and Reddy T.R. (2001), "*Computer Implementation of Quantity Division Method for Construction management*", Proc. Of National Symposium on 'Impact of Computers in Civil & Structural Engineering', Civil Engg. Dept., Karunya Institute of Technology, Coimbatore, 24-25 August, pp 13-22.

3. Rao H.S., Vaishali G., Sashidhar C., and Reddy T.R. and Sashaidhar, C. (2001), *“Modeling Characteristics of Slag Aggregate Concrete- Neural Network Approach”*, Proc. Of National Symposium on ‘Impact of Computers and Information technology in Civil & Structural Engineering’, Civil Engg. Dept., Karunya Institute of Technology, Coimbatore, 24-25 August, pp 83-92.

**List of Webinars/FDP/Workshop Attended by Prof Vaishali G
Ghorpade during Lockdown period**

1. Participated in a Three day National Level Faculty Development program on “Sustainable Engineering(SE)” held during 27-29 August 2020 organised by Dept. of Civil Engineering, Sree Vidyanikethan Engineering College (Autonomous), Tirupathi
2. Participated in the International Webinar on “How to turn Engineers to Entrepreneurs” held on 9-11th August 2020 conducted by MBITS in association with Kerla Startup Mission & VSSC, ISRO
3. Participated in TEQIP III sponsored One day National Webinar on “Recent Practices in Environmental Engineering (RPEE-2020), Organised by Dept. of Civil Engineering, Govt. College of Engineering Kalahandi Bhawanipatnain collaboration with Govt. College of Engineering Jalgoan, Maharashtra on 18th October 2020
4. Presented the research paper entitled “Durability of Flyash and Silica fume based Composite fiber Reinforced High Performance Concrete subjected to Acid attack” in the 2021 Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2021) held at A.J Institute of Engineering and Technology Karnataka India during 29-30 July 2021 GC-RASM 2021 organised by the Dept. of Civil Engineering and Mechanical Engineering
5. Presented the research paper entitled “Evaluation of Strength Parameters of Ultra Fine Flyash and Nanosilica incorporated High-Performance Concrete” in the 2021 Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2021) held at A.J Institute of Engineering and Technology Karnataka India during 29-30 July 2021 GC-RASM 2021 organised by the Dept. of Civil Engineering and Mechanical Engineering

6. Attended a Four Day National Staff Development program webinar on “Environmental Resources Management towards Sustainability” from 21st July 2020 to 24th July 2020, sponsored by TEQIP-III, organized by Dept. of Civil Engineering, Andhra University, Vishakapatnam, AP
7. Participated in the Webinar on “A Comprehensive Road Map to Pursue Academic Research”, presented by Dr T Thyagarajan dean MIT on 29th May 2020, organized by Dept. of Mechatronics Engineering, SRMIST- Kattankulathur, Chennai
8. Participated in online Faculty Awareness Programme on NBA on 19-05-2020 with a passing score of 90% organized by Dept. of Electronics & Telecommunication Engineering Dr D Y Patil School of Engineering & Technology, Pune, Maharashtra
9. Participated in one week AICTE sponsored STTP on “Nanotechnology and Functional Materials (NTTM Phase II) held from 17-08-2020 to 22-08-2020 through online mode, organised by Dept. of Mechanical Engineering, S V College of Engineering, Tirupathi, AP
10. Participated in one week AICTE sponsored STTP on “Nanotechnology and Functional Materials (NTTM Phase III) held from 14-09-2020 to 19-09-2020 through online mode, organised by Dept. of Mechanical Engineering, S V College of Engineering, Tirupathi, AP
11. Participated in Two day National level e-Conference on “Recent Advances in Technology & Engineering” (CRATE-2020) organized by the Dept. of Civil Engineering from 20th to 21st August 2020 by Vemu Institute of Technology Chittoor Dist
12. Participated in the TEQIP-III sponsored online Faculty Development Programme on “Intellectual Property Rights: An Overview” organized by Dept. of Electronics and Communication Engineering in association with Directorate of Faculty Development and IQAC from 09-09-2020 to 11-09-2020 by JNTUA College of Engineering Anantapur, AP
13. Participated in one week AICTE sponsored STTP on “Nanotechnology and Functional Materials (NTTM) held from 27-07-2020 to 01-08-2020 through online mode, organised by Dept. of Mechanical Engineering, S V College of Engineering, Tirupathi, AP

14. Participated in Five Day Faculty Development Programme on “Emerging Trends in Civil Engineering held during 25th-29th July 2020 by Gates Institute of Technology, Gooty, Ananthapuramu, AP
15. Participated in SAGE Talk on “ How Startups & Entrepreneurs have to deal and Manage in tough times in Covid19” organized by SAGE University, Bhopal on
16. Attended a Webinar on “ Fundamentals of Production Planning and Control Session 2”, organized by Dept. of Mechanical Engineering, Rathinam Technical Campus on 29-07-2020
17. Participated in one week Faculty Development Programme on “ Developments in Concrete and Construction” organized by the Dept. of Civil Engineering SRM Institute of Science and Technology Ramapuram, Chennai from 23rd to 29th July 2020
18. Attended a five day International Webinar on “Climate change Impact on Water Resources Management and Environment” from July 15th 2020 to 19th July 2020 sponsored by TEQIP-III and in collaboration with Science City of Andhra Pradesh Organised by Dept. of Civil Engineering, Andhra University, Vishakapatnam, AP
19. Participated in the International webinar Series on 18th July 2020 on ‘Role of Structural Engineer in Offshore industry organized by Dept. of Civil engineering Rajeev Gandhi Memorial College of Engineering and Technology, Nandhyal, AP
20. Participated in the International webinar Series on 16th July 2020 on ‘Turning Disasters into Knowledge: lessons learned from Recent Earthquakes” organized by Dept. of Civil engineering Rajeev Gandhi Memorial College of Engineering and Technology, Nandhyal, AP
21. Participated in the International webinar Series on 17th July 2020 on “ Demand – capacity ratio for seismic performance evaluation of concrete gravity Dams” organized by Dept. of Civil engineering Rajeev Gandhi Memorial College of Engineering and Technology, Nandhyal, AP
22. Participated in Indo Australian Workshop on “Construction Project Management with innovative tools and Techniques” organized by the Dept. of Civil Engineering, SRM Institute of Science and Technology, Ramapuram Chennai on 10th August 2020
23. Participated in One week Online faculty Development Programme on “ Recent research developments in Materials Engineering and Mechanical Design, “

Organised by the Dept. of Mechanical Engineering during 21st-25th July 2020 by Vishnu Institute of Technology, Bhimavaram, AP

24. Participated in One day National Webinar on “Pharmaceutical Scenerion in Covid 19 Era”, Organised by the University College of Pharmaceutical Sciences, Adikavi Nannaya University, Rajamahendravaram, AP
25. Participated in One Week Faculty Development Programme on “Nano Hybrid Composite Materials Characterisation & application”, organized by Dept. of Mechanical Engineering from 24th to 28th August 2020 by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, Telangana
26. Participated in International Webinar on “Research Techniques and Tips for Article writing” on 3rd July 2020 organised by Dept. of Civil Engineering of Vidhya Jyothi Institute of Technology Ranga Reddy, Telangana
27. Participated in the webinar on “Imparting Quality Education in HEIs-NAAC Perspective “ Organised by Dept. of Electrical and Electronics Engineering, Amritha College of Engineering and Technology, Nagercoil on 17th June 2020
28. Participated in Webinar on “Nanotechnology in Concrete” organized by ICI-Vijayawada Centre and Ultratech Cement Ltd on 20-06-2020
29. Participated in Webinar on “An Overview on Concrete Mix Proportioning,” organized by ICI-Vijayawada Centre and Ultratech Cement Ltd on 03-06-2020
30. Participated in Webinar on “Composite Constructions” organized by ICI-Vijayawada Centre and Ultratech Cement Ltd on 18th July-2020
31. One day National Workshop on "Recent Advances in Structural Engineering (RASE-2020)" on 30-5-2020 organized by JNTU Anantapur and Visveswaraya Technological University, Kalaburagi, Karnataka
32. Attended webinar on “Climate Variability and Rainfall induced Landslide hazards of Bangladesh” on 26th September 2020 organised by Dept. of Civil Engineering, New Horizon College of Engineering in association with ICS Bangaluru Chapter
33. Attended Webinar on “Application of Artificial Intelligence to Prediction of properties of Concrete”, organised by Ultratech Cements Ltd on November 27th 2020
34. Attended Webinar on “Fiber Reinforced Polymers for Retrofitting of Structures”, organised by Ultratech Cements Ltd on October 31st 2020

35. Participated in the webinar “Transforming youth into Responsible Citizens organized by LEAD INDIA FOUNDATION on August 15th 2020
36. Participated in the Webinar on “ Boosting Immunity Through Holistic Healthcare’ Organised by LEAD INDIA FOUNDATION on 13th September 2020
37. Participated in the Webinar on “Impact of Covid 19 on the Development of Rural economy-Challenges and Opportunities” Organised by LEAD INDIA FOUNDATION on 27th July 2020
38. Participated in the webinar on “Geopolymer Concrete Applications Challenges and Opportunities”, organized by Dept. of Civil Engineering, Siddartha Institute of Technology on 28th July 2020
39. Presented Paper on “ Evaluation of Strength Parameters of Metakaolin and Nanosilica incorporated high performance Concrete”, in the International Conference on Contemporary and Sustainable Infrastructure(ICCSI-2021) organized by the Dept. of Civil Engineering, SJB Institute of Technology, Bengaluru India in association with Technical Institute for Engineers, Bengaluru on 21st-22nd May 2021
40. Presented Paper on “Behaviour of Flyash and Silica Fume based composite fiber (Glass and Polypropylene) reinforced High Performance Concrete under acid Attack”, in the International Conference on Contemporary and Sustainable Infrastructure(ICCSI-2021) organized by the Dept. of Civil Engineering, SJB Institute of Technology, Bengaluru India in association with Technical Institute for Engineers, Bengaluru on 21st-22nd May 2021
41. Participated in the one week online Faculty Development Programme on “Research Advances In Civil Engineering”, held during 3-7th August 2020, Organised by Dept. of Civil Engineering, Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad
42. Participated in One Day National Webinar on " Reviewing English at Higher Education" Organised by the Department of English in association with IQAC held on 10th July 2020 by JSS College of Arts and Commerce Karnataka
43. Participated in Three day National Level online Faculty Development Program on "Rehabilitation and Retrofitting of Structures" during 4-6-2020 to 6-6-2020, organized by Sree Vidyanikethan Engineering College, Tirupathi, Andhra Pradesh

44. Participated in Three Day Faculty Development Program on "Digital Era of Teaching" from 11-05-2020 to 13-05-2020 conducted by Diksoochi, Mysuru, Karnataka
45. Attended webinar on "Repair and Rehabilitation: Case Studies and Entrepreneurship Opportunities" organized by the Dept. of Civil Engineering, Teegala Krishna Reddy Engineering College in association with Indian Concrete Institute (ICI) held on 25th July 2020
46. Participated in the International Webinar on "Seismic Risk and Condition assessment for different types of Engineering Structures", organized by Rajeev Gandhi Memorial College of Engineering and Technology, Nandhyal, India on 14th July 2020
47. Participated in Industry Institute Conclave 2020 during 31-10-2020 to 01-11-2020 organised by the National and Industrial Collaboration Cell, National Institute of Technology, Raipur
48. Participated in the International Conference on Advanced Materials Behaviour and Characterization organized by Mattest Research Academy, Chennai during 18-23th July 2020
49. Attended a Five day National Faculty Development Program Webinar on "Hydrological Modelling Using RS & GIS with special reference to climate change", from 7th to 11th September 2020 organised by the Dept. of Civil Engineering AU College of Engineering
50. Attended a five day International Webinar on "Sustainable Engineering" from 4th to 18th September 2020, organized by the Dept. of Civil Engineering, AU College of Engineering in association with Department of Renewable and Environmental Engineering, CSIR- Indian Institute of Chemical Engineering, Hyderabad
51. Participated in a One week Faculty Development Programme on "Management of Online teaching, Learning and Assessment in Higher Education", organized under TEQIP-III twinning programme during 12-16th September 2020 by University College of Engineering and Technology, Bikaner and JNTU College of Engineering, Ananthapur
52. Participated in Five Day Online faculty Development Programme on "Contemporary Research Methodology and LaTeX for Research Documentation", Organised by the Dept. of Computer Science and Engineering GSSSIETW, Mysuru on 20th-24th July 2020

53. Participated in the Webinar on “Tranferring the Future of Education the Role of Teachers, Studentsand Parents” Organised by LEAD INDIA FOUNDATION on 5th September 2020

List of M.Tech Projects Guided

S.No	Title of the Project	Name of the Student	Year
1	Effects of Metakaolin admixture on the strength and workability properties of High-Performance Concrete	V.Venkateswara Prasad	2004
2	Effects of elevated temperatures on High-Performance Concrete with Fly Ash admixture	G. Nagamani	2004
3	Experimental investigation of characteristics of High-Performance Metakaolin Concrete	E. Sai Sudhakar	2004
4	Software development and analysis of plane and double layer grids	B. Sri Lakshmi	2004
5	Optimum design of foundation for double-walled liquid Nitrogen tank	J. Manasa	2004
6	Chloride permeability of High-Performance Concrete with Fly Ash admixture	D. Sunil	2005
7	Production and Evaluation of High-Performance Concrete with Silica Fume admixture	P. Subramanyam	2005
8	Optimization of framed rack structures for automated storage and retrieval systems	P. Sharadha	2005
9	Optimization of regenerative air preheater	N. Niranjani	2005
10	The resistance of Silica Fume based HPC to acid attack an Experimental Investigation	A. Rajani	2006

11	The resistance of Metakaolin based HPC to Acid attack an Experimental Investigation	M. Beulah	2006
12	Production and evaluation of High-Performance Concrete with Silica Fume admixture	B. Srinivas Kumar	2006
13	An experimental investigation on Polypropylene fiber reinforced High-Performance Concrete	H.D.K. Inayatullah	2006
14	Chloride permeability of Glass fiber Reinforced High- Performance Concrete with Metakaolin as an admixture	B. Janardhana Rao	2007
15	The resistance of Silica Fume based Glass fiber Reinforced concrete to Acid attack	U. Bhargavi	2007
16	The resistance of Fly Ash based Glass fiber Reinforced High-Performance Concrete to Acid attack	A.S.V.Lakshmi	2007
17	Chloride permeability of Glass fiber Reinforced High- Performance Concrete with Silica Fume as an admixture	C.H.Subba Rao	2007
18.	Studies on strength characteristics of wood waste ash fiber reinforced concrete	K.Naga Vinod Kumar	2011
19.	Chloride Permeability studies on High Strength Fibre Reinforced Recycled Aggregate Concrete	K.Jeevan	2012
20.	Rapid Chloride Permeability studies on M20 Grade Fibre Reinforced Recycled Aggregate Concrete	N. Aditya Bhargav Viswanath	2012
21.	Workability and Strength studies on Phospogypsum based Self Compacting Concrete	R.Ravi Kumar	2012
22.	Workability and Strength studies on Flyash based Self Compacting Concrete	T.Vijay Kumar	2012
23.	Studies on Shear Strength Characteristics of Recycled Aggregate Fibre Reinforced Concrete	A.Swetha	2012

24	Studies on Resistance on GGBS based Geopolymer Concrete to Sulphuric Acid attack	S.Pradeep Kumar	2012 (C0)
25.	Studies on Resistance on Metakaolin based Geopolymer Concrete to Sulphuric Acid attack	D.Bhaskara Rao	2012 (Co)
26.	Effect of Silicafume additions on strength of the Flyash based Geopolymer Concrete	A.Krishna Priya	2012 (Co)
27.	Studies on Resistance on Silicafume based Geopolymer Concrete to Sulphuric Acid attack	P.Umadevi	2012 (Co)
28.	Effect of Metakaolin additions on strength of the Flyash based Geopolymer Concrete	B.Santosh Kumar	2012
29.	Effect of GGBS additions on strength of the Flyash based Geopolymer Concrete	S.V.Satyanarayana	2012
30.	Studies On Elevated Temperature OF FIBER REINFORCED PhosphoGypsum Concrete	P.Kishore	2013
31.	Studies On Elevated Temperature Of Phosphogypsum Concrete	Y.Sreenivasa Reddy	2013
32.	Effect Of Phosphogypsum Additions On Strength Of Fly Ash Based Geo Polymer Concrete	Y.Venkatesh	2013
33.	Effect of Phosphogypsum Additions on Strength of Fly Ash Based Geo Polymer Concrete	A.Sreenivasulu	2013
34.	Studies on Strength Characteristics of Bacterial (Bacillus Flexus) Concrete	V.Ramesh	2013
35	Damage and Drift Analysis for 18 storey Reinforced Concrete Building due to Seismic Force	S.Ujwala	2013
36	Studies on strength characteristics of Bacterial(Bacillus Flexus) Concrete	V.Ramesh	2013
37	Bearing Strength of Fibre Reinforced Silicafume Concrete	P.Rajendra Prasad	2014
38	Strength Characteristics of Polyethylene Terephthalate(PET) Fibre Reinforced Recycled Aggregate Concrete	R.Harathi	2014
39	Seismic Vulnerability Assessment of Existing Buildings	Syed Amanullah	2014

40.	Flexural behavior of hybrid concrete	B.Hari Babu	2014
41.	The behavior of concrete-filled PVC columns under axial loading	G.Sujatha	2014
42.	Comparative study of seismic analysis between conventional and flat slab with drop and without drop framed structures with different masonry infills	M Vinod Kumar Reddy	2014
43.	A study on the effect of irregularities of reinforced concrete framed building	P.Sravani	2014
44.	Experimental investigation of snail shell ash as a partial replacement for ordinary portland cement in concrete	Syed Talha Zaid	2014
45.	Seismic retrofit of RC building using jacketing-A review and case study	CH.Jagadish Prasad	2014
46.	Analysis & design of Iconic Building	Madduri Ruben Pradeep	2014
47.	Improvised blind source separation technique employed for structural damage detection using time series analysis	G Tejasree	2015
48.	Nonlinear Finite Element Analysis for the Evaluation of Response of Concrete in MESO to Macro level	M.Bhavya	2015
49.	Design of Lead Rubber bearing system and High damping Rubber bearing system for isolated structure for long periods for a five storey R.C Building	T.NagaJyothi	2015
50.	Effect of Sulphates on Blended Cement Mortar	R.Niranjana Reddy	2016
51.	Performance of Standard Grade Bacterial Concrete	M. Abdulla	2016
52.	Performance of Lateral systems on Tall buildings	V Rekha	2016
53.	Seismic excitation of Low to High Rise RCC Structure	Gowram Iswarya	2016
54.	Seismic Performance of RC Framed buildings under Linear Dynamic Analysis	K.Anusha	2017
55.	The behavior of RC multi storey framed buildings with wide thin Columns	B K Tarun Thej	2016
56.	Effect of Location of the shear wall on the performance of building frame subjected to Lateral load	O Ravi	2017
57	Comparison of Shear Walls in the response spectrum method by using ETABS2013	M Ramadevi	20.18
58	Analysis of Braced Unsymmetrical RCC Building using	S.MD Akram Khan	2018

	SAP 2000		
59	Numerical Simulation and Analysis of Engineering Structures subjected to Dynamic Loads	Kalathoti Priyanka 16001D1129	2018
60	Analysis and design of stress ribbon bridge with CSI bridge software	Mahendrakar Hemanth Kumar	2018
61	Earthquake Assessment and Retrofitting of RC Flat Plate Structure	B A H Ikram 14001D1121	2017
62	Comparison of Seismic Behaviour of Multi Storied Building with GFRP and Steel Reinforcement	S Naga Divya 12001D1217	2019
63	Strength Performance of E-waste Cement Concrete with Ground Granulated Blast Furnace Slag (GGBS)	K Anil Teja 16001D1115	2019
64	Non-Linear Static & Dynamic Analysis of Tall Building Structures using Dampers	C Rama Krishna Reddy 14001D1217	2019
65	Experimental Evaluation of Glass Fibre Reinforced Geopolymer Concrete (GFGPC)	V Kishore Kumar 15001D1117	2019
66	Wind and Seismic Analysis of High Rise Building with and without Steel Jacks using SAP2000	T Sivaram 16001D1201	2019
67	Compressive and tensile strength studies on E-Waste cement concrete with Silica fume	P Sudhakar 16001D1118	2019
68	Durability based service life prediction of RC structural elements in carbonation induced environment	Chandra Harshita 18001D1228	2020
69	Analysis of Perforated Steel Unequal Angle members by Using ABAQUS	Ealuri Sarath 17001D1229	2020
70	Comparative assessment of Conventional and Modern retrofitting Methods for seismic Analysis of A Steel	19001D1202 Kumeththa Siva	2021

	Diagrid Structure using SAP2000	Keshava Reddy	
71	Experimental Investigation on the strength properties of concrete incorporating gGBS, Slag Sand and Marble	Rage Ram Mohan 19001D1116	2021
72	Comparative Analysis of the strength properties of concrete with slag sand and bethamcherla stones with silicafume as partial cement replacement	Udamala Anand 19001D1103	2022
73	An experimental study on strength properties of tabby concrete with sea shell coarse aggregate	Bille Pradeep Kumar 20001D1119	2022
74	Experimental study on the properties of concrete by partial replacement of cement with silicafume and fine aggregate with scrap tyre	Devi Archana 14001D1105	2022
75	Comparative Assessment of Concrete filled Steel Tube (CFST) Columns using ABAQUS Software	Marna Ananth Kumar 19001D1205	2022
76	Utilization of used engine oil in Concrete as an Admixture	S Md Abrar Hussian 20001D1130	2022
77	Strength Characteristics of Fly Ash Blended Concrete with Slag Sand and Marble Waste Aggregate	Sayeed Basha 19001D1119	2022
78	Comparison of Composite beam girder and RCC beam girder with floating column in RCC frame structure using ETABS software	Kavali Prassanna Kumar 20001D1212	2023
79	Effect of Diaphragm Openings in Multi storied RC framed buildings using PUSHOVER Analysis	Y Nanda Kishore 20001D1210	2023
80	Comparative study on RC frame with fixed base, base isolated RC frame using friction pendulum bearing and	Dogiparthi LVSNP Chandrakanth	2023

	RC frame with friction damper by time history analysis using SAP2000	190001D1213	
81	Study on Partial replacement of cement with Neem Ash and Fly Ash	CH Sumanth 20001D1103	2023
82	Strength and Workability Studies on Slag Sand Concrete Blended with Flyash and Glass Powder	A Bhagyasree 21001D1123	2023
83	Strength and workability studies on slag sand concrete blended with Metakaolin and Glass Powder	P Guru Teja 21001D1125	2023
84	Analysis of G+10 storey building with using rubber bearing isolation system and friction pendulum system in seismic zones	K Reddy Likitha 21001D1225	2023
85	Analysis of SoftbStorey Building with different Percentages of Openings in Shear walls by Using ETABS Software	CH Manoj Sai Preetham 21001D1220	2023
86	Sesic Evaluation of the Performance of Steel Moment resisting frame subjected to cyclic loading in Zone II, III, IV and V	G Deepika 21001D1217	2023
87	Strength and workability studies on slag sand concrete blended with dolomite powder and glass powder	Akula Jgannath 21001D1111	2023
88	Strength & Workability Studies on Slag Sand Concreteblended withGGBS & Glass Powder	Remala Venkata Sumahasa 21001D1121	2023
89	Strength & Workability Studieson Slag Sand Concrete Blended with Silica fume& Glass Powder	Chedupatti Pusphalatha 21001D1122	2023

90	Strength & Workability Studies on Slag Sand Concrete Blended with Rice Husk Ash & Glass Powder	Basam Chandramohan Reddy 21001D1134	2023
91	An Experimental Exploration on Self Curing Concrete with Betham Cherla Stone as Partial Replacement for Coarse Aggregate	Bobbili Akhila 22001D1113	2024
92	Comparative Analysis of Concentric Steel Braced Frame Structures Impact of Aspect Ratio using Pushover Analysis	S Tharun 22001D1201	2024
93	Investigating the Impact of Lead Rubber Bearings on Seismic Behaviour in Elevation for both Regular and Irregular Frames Using ETABS Software	Tarigoppula Naga Durga 22001D1208	2024
94	An Experimental Investigation on Self Curing Concrete by Using Polyvinyl Alcohol and Partial replacement of Coarse Aggregate with Bethamcherla Stone	Vuta Sunitha 22001D1103	2024
95	Flexural Strength properties of High strength Concrete incorporating Bethamcherla Waste Stone and Self Curing Agent (Poly Vinyl Alcohol)	Dubba Dhanushj Reddy 22001D1118	2024
96	Strength Properties of High Strength (M50) concrete containing Bethamcherla Waste Stone as Partial Replacement of Coarse Aggregate by adding Self Curing Admixture-Poly Vinyl Alcohol	Gadidama Neeraj 22001D1123	2024

List of ongoing Ph.D.'s

S.No	Title of the Work	Name of the Student	Year	Status
1.	Development of Genetic Algorithm based Neural Network model for predicting workability strength and durability of High-Performance Concrete	M.Beulah	2009 (M)	2014 Completed
2.	Design of High-Performance Concrete mix with Reliability-based Constraints	A.Mohan	2009 (Co)	Cancelled
3.	Sustainable Water Management- A case study of Penna Ahobilam Balancing Reservoir Anantapur District	S.Venkateswara Rao	2010 (Co)	
4.	Influence of Magnetic water on properties of Concrete	B.Siva Konda Reddy	2010 (M)	2015 Completed
5.	Proportioning of CLSM using sustainable resources	P.K.Ravindra	2011 (M)	2017 Completed
6.	An Experimental Study of Strength & Durability of Geopolymer Composites	T.Venu Madhav	2011 (Co)	2018 Completed
7.	Experimental Investigation of Self Compacting Concrete with waste plastic fibers	Vijaya G .S	2011 (M) 2015	2016 Completed
8.	An Experimental investigation on the improvement of characteristic properties of Retempered Concrete	Siddangouda Patil	2012 (Co)	
9.	Development of Neural Network Model for Strength and Workability Characteristics of Self Compacting Concrete	Koneru Venkata Subash	2012 (M)	

10	Strength and Workability Characteristics of Waste Plastic fiber reinforced concrete	Savitri S Karanth	2012 (M) 2015	2018 Completed
11.	The study of Application of Potassium Polyacrylate as water-absorbent in Concrete to eliminate excessive water content added to improve Workability of concrete	C Jayachandra Reddy 13PH0114	2013 (M)	
12	Study on Strength and Durability Properties of High Performance Concrete Incorporating Nanosilica, Ultrafine, Flyash and Metakaolin	Pushpalatha R Gadag	2014 (M)	2023 Completed
13.	Experimental Investigation on Strength and Durability of Bacterial Concrete with different Bacteria's	Ramesh Vattikundala	2015 (M)	2022 Completed
14	Seismic Assessment and upgrading of existing Structures	H M Nowshad Ali Khan 15PH0125	2015 (Co)	
15	Experimental Analysis on Municipal Solid Waste Ash in Concrete	Akula Abdul Malik	2016 (M)	

LIST OF PATENTS

Title of the Patent	Patent Type	Granted/Published	Patent Number	Country Granted/Published
A process of producing Bricks/Building Blocks from Phosphogypsum and the Bricks/Blocks made there of	Indian	Granted	440475	India
Innovative approaches to high performance concrete: The synergy of binary mineral admixture and composite fibre reinforcement in enhancing strength, endurance and development of unified mix design methodology	Indian	Published	202341006000	India
Methods for preparation of Bacterial Concrete with self healing abilities and products there of	Indian	Granted	417107	India
Concrete Test Hammer	Indian	Granted	Design No. 415134-001	India

Patents applied,published, granted

Sl.No.	Name of the Institute	Patent Application No.	Status of Patent (Applied/ Published / Granted)	Faculty Name	Title of the Patent	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YY YY)	Patent Publication Number / Patent Granted Number	Here, attach source of proof i.e. URL/website links, etc.
1	JNTUA-CEA								
1	JNTUA-CEA	201641010384	Granted	Prof Vaishali G Ghorpade	Methods for Preparation of bacterial concrete with self healing abilities and products there of	26/03/2016	06/01/2023	417107	https://ipindia.gov.in
2	JNTUA-CEA	202141030545 A	Published	Prof Vaishali G Ghorpade	A Process of producing bricks/building blocks from phosphogypsum and the bricks/blocks made there of	07/07/2021	01/07/2022	-	https://ipindia.gov.in
3	JNTUA-CEA	202341006000	Published	Prof Vaishali G Ghorpade	Innovative approaches to high performance concrete: The	30/01/2023	24/02/2023	-	https://ipindia.gov.in

					synergy of binary mineral admixture and composite fibre reinforcement in enhancing strength, endurance and development of unified mix design methodology				
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