

Name: Dr.Gurikini Lalitha  
 Designation: Assistant. Professor  
 Department: Civil Engineering  
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**Experience (in years): 26.5** Teaching: 15 Years Research: Others(Industry): 11.5Years

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph. D)	Year of passing	Specialization
1	B.E	1993	Civil Engineering
2	M. Tech	2013	Structural Engineering
3	Ph. D	2021	On Concrete materials

### 2. Teaching and Learning:

**2.1 Teaching Interests: UG:** Ground Improvement Techniques, Elements of Earth Quake Engineering, Design of Reinforced Concrete Structures, Pre stressed Concrete Structures, Concrete Technology , Design of Steel Structures, Construction Technology & Project Management, ,Estimating & Costing, Strength of Materials.

**P.G:** Design of prestressed concrete, Advanced concrete technology, Rehabilitation and retrofitting of structures, Sustainable Materials and Technology.

#### 2.2: Novel Teaching & Learning Techniques adopted:

Discussion & Board, Screen Cast Omatic, Google meet , Google class, Microsoft teams  
 Taking the students to field for better practical exposure through WIT & WIL Concept and P.P.Ts, Video lectures (NPTEL) etc.

#### 2.3: Involvement in curriculum updating /Design:

- B.O.S Member in framing Autonomous syllabus for Civil Engineering –B.V.R.I.T-Narsapur Medak Dt
- Faculty In charge for the Curriculum Design at university level from the Department in K.L.University.
- Course coordinator (Syllabus framing paper setting) for Pre-stressed Concrete –KLU-Vijayawada
- Take part of NBA file of curriculum for M.Tech structures.
- Course coordinator for Pre-Stressed concrete at U.G and P.G level.

### 3. Co-curricular and Extra-Curricular Activities:

**3.1. Interests and Hobbies:** Reading newspaper and discussing the Technical articles Published regarding Civil Engineering. Writing technical articles to college and department organized magazines.

3.2. CCA/ECA Organized: NIL

3.3. CCA/ECA participated: NIL

#### 3.4. Counselling and Mentoring Activity:

- Worked as Counsellor and Mentor for the students in BVRIT Narsapur.
- Worked as Counsellor and Mentor for the students in K.L. University -Guntur.
- Presently working as Counsellor and Mentor for II B. Tech (10Students) and IB. Tech (10Students) –VNRVJIET HYD

#### 3.5. Committees involved in:

##### Department level:

- Library in charge for Departmental Library (CVIL DEPT).
- Certificate Courses in charge from department level.
- Coordinator for the files :Achievements of the department, Curriculum.

- e) Coordinator for departmental meetings.
- f) Coordinator from department to Vignana vaartha .

h) **NBA Files:**

- i) Certificate courses
- ii) Syllabus books.
- iii) Departmental meetings
- iv) Departmental achievements
- v) Course files for the subjects taught.

i) Staff selection committee member in D.R.K HYD, B.V.R.I.T. Narsapur Medak, S.R.K.I.T Vijayawada.

j) Discipline committee member in D.R.K Hyderabad, BVRIT Narsapur, SRKIT-Vijayawada, K.L. University Guntur

**Institute Level:**

- a) Institute Discipline committee.
- b) Discipline committee member in BVRIT
- c) Faculty in charge for Curriculum Design for Civil Engineering at the University level from the Department in K.L. University.

**4. Conference / Workshop / Seminar / Guest Lectures:**

**4.1 Conducted: 02**

- a) Organized a 2 Day workshop as Workshop convener on “AutoCAD for Civil Engineers”
- b) Organized workshop as workshop coordinator entitled with “Indian Big Competition on Design Principles on Bridge construction” (IBCC INDIA) at BVRIT Narsapur Medak Dt.-2015

**4.2 Attended:**

S.No	Workshop/Conference	Duration & Year	Organized by
1	National Conference on GEOSTEP-2013- (Geo Technical & Structural Engineering Practices )	One day -2013	CMR CET, Hyderabad
2	National Workshop on “Design Principles of Bridges” workshop	(2 Day), March - 2015	BVRIT- Narsapur - Medak DT
3	FDP on “Non Destructive Testing Techniques (Theory & practice)	(3- Day) September- 2014	BVRIT- Narsapur- Medak DT
4	National Workshop NWDSRP on ”Data Science Using R-Programming	(2-Day) March- 2015	BVRIT- Narsapur- Medak DT
5	One Week Orientation Program me on Research Methodology	(6 Day) June- 2015	JNTUA
6	FDP on Communication skills	(5-Day) November-2015	SRKIT -Vijayawada
7	Induction program me on Credit based choice system	(5-Day) June 2016	KLU Vijayawada
8	National Workshop on (ETCSDP-16) Emerging trends Construction and Structural design practices	(2-Day)- December-2016	KLU Vijayawada

9	National Workshop on “Advanced Numerical Modeling Techniques for Mechanical Engineering”	(5-Day) March 2017	VNRVJIET
10	National Workshop on ”Traffic and Transportation Planning For Smart Cities”-	(5-Day) November-2017	VNRVJIET
11.	National Conference on “Transportation Research Efforts On Ecological Sustainability (TREES)”	(2-Day) 28 -29 Sep -2018	VNRVJIET
12	Appiered NPTEL Exam which is considered as 1.5 FDP by AICTE	Jul-Oct-2018	ON LINE NPTEL
13	International conference” Construction materials and smart structures for sustainable development” Attended and Presented paper.	29.01.2020 to 31.01.2020	VNRVJIET
14	Attended National Level Web Conference	06-06-2020	Dr.N.G.P. Institute of Technology
15	Attended online International Workshop-IIT Chennai “Recent Advances in science and technology of concrete”	02-May-2020	IIT CHENNAI
16	Attended online Webinar on “Pre-engineered Buildings”.	12-May-2020	ICI Vijayawada
17	Attended online Webinar on” Self Compacting Concrete”	13-May-2020	ICI Vijayawada
18	Attended online workshop on “Scientific writing journals”	20-May-2020	Springer Nature
19	Attended online webinar on “Cracks in concrete structures -part1”	21-May-2020	Ultra cement
20	Attended online International Workshop on “Resilience Of Concrete construction”	23-May-2020	IIT CHENNAI
21	Attended online webinar on” Artificial Aggregate And Its Behavioral Aspects In Structures”	25-May-2020	Vaagdevi Collegee Of Engineering Warangal.
22	Attended online webinar On” Challenges In Creating A Global	25-May-2020	IIT Alumini Bangolore

	Institute In A Remote Area.”		
23	International Webinar on “New Innovations and Material system for High Performance Concrete”	30-May-2020	Indian Concrete Institute Bengaluru Centre, Karnataka ACI-Malaysia Chapter
24	Webinar on “Insights into the unexplored aspects of seismic-soil-pile structure Interaction”	2/6/2020	VNRVJIET
25	Webinar on “Research Opportunities for Engineering Faculty Members Post COVID 19”	13/6/2020	NDRI (National Design And Research Forum India) Institute of Engineers india. Indian Institute of Engineers
26	Webinar on “challenges in making durable concrete”	13/6/2020	Vaagdevi college of Engineering Warangal
27	Webinar on “POLYMERS - A World Of Innovative Material”	20/6/2020	IIT Alumini Bangalore
28	Two Weeks Webinar on” Concrete Technology: Past, Present & Future”	15/6/2020-26/6/2020	NIT-THIRUCIPALLI
29	3 Days International webinar on” Communicative English to engineering faculty and students.”	28/6/2020-30/6/2020	MBITS (Marblosis institute of technology and sciences )
30	Webinar on “Developing techno management professionals in post covid 19”	2/7/2020	Jayamuki Institute of science and technology
31	Webinar on “Role of Civil Engineer s in offshore oil and gas industry”	4/7/2020	KITS GUNTOOR
32	Workshop on “Effective online Teaching using ICT Tools”	29/6/2020-4/7/2020	VNRVJIET
33	Attended online FDP ON” Recent advances in civil engineering”	20/5/2020-22/5/2020	CMRIET
34	Attended online FDP (GTCIE-2020)-“Global Trends in Civil & Infrastructural Engineering.”	26/5/2020-30/5/2020	Institute Of Aeronautical Engineering
35	Attended online FDP on”Technology on Advances in Civil Engineering”	26-05-2020 to 30-05-2020	Shri Sai Shikshan Sanstha’s Nagpur Institute Of Technology
36	Attended online FDP On “Advances In Structural And Geotechnical Engineering (ASGE-2020)	29/6/20-3/7/20	Government College of Engineering, Kalahandi
36	Attended online FDP “Research challenges in civil engineering.”	12/6/202-14/6/2020	Anurag Deemed To Be University
37	Attended online FDP “Quality Sustainability And Quality Enhancement strategy”.	2/7/20-4/7/20	KITS GUNTUR
38	Attended ON LINE Quiz program on” Awarness programme on Outcome Based Education(OBE)”	19/5/2020	MLRIT
39	Attended ON LINE National level Quiz program on”Basic concepts of Civil	2/7/20	Chaithanya deemed to be University Warangal

	Engineering”		
40	Attended ON LINE National level Quiz program on”Concrete Technology”	06-07-2020	Mahaveer Institute of Science and Technology
41	Attended training program on” Python 3.4.3”	1-6-2020 6-6 -2020	Vaagdevi College- Spoken tutorial IIT BOMBAY-MHRD
42	AICTE Sponsered two week FDP On”Advanced computing in Civil Engineering:series-1	16-11-2020 28-11-2020	VNRVJIET-CED
43	Expert talk on “Mass Housing Construction Using Quick Build Panels (3d Sandwich Panels) For Cyclone And Earthquake Prone Areas”	18-5-21	Shri Vishnu Engineering College For Women (Autonomous)  Bhimavaram
44	Webinar on “Construction safety During COVID-19”	22-5-21	organized by TATA Steel
45	Webinar on Forensic Engineering- Approach to failures with case studies	22-5-21	Online organized by Siddartha college- Vijayawada
46	Certificate course on M.S PProject	6-5-21 still going on	VNRVJIET-- CED
47	NPTEL Cours on Advanced Concrete Technology	2019	SWAYAM-IIT Chennai
48	NPTEL Cours on Building materials and Construction	2022	SWAYAM-IIT Kharagpur
49	NPTEL Cours on Design of Reinforced Concrete	2023	SWAYAM-IIT Kharagpur
50	NPTEL Cours on Retrofitting and Rehabilitation of Civil Infrastructure	2023	SWAYAM-IIT Kharagpur
51	5 Days faculty Development programe	2023	VNRVJIET-HYD
52	6 Days faculty Development programe	30-01-2023  6-2-2023	ACE Engineering college- HYD

## 5. Academic Contribution and Research & Consultancy:-

5.1. Invited Lectures: NIL

5.2. Articles/Chapters published in Books: **04–Springer Nature**

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided :

a) UG :35      b) PG :15 undergoing-04

5.5. Research Interests : Concrete materials & Sustainability , Earthquake Resistant Design, Highway Engineering.

5.6. Ph.D students :

a) Enrolled :NIL

b) Submitted: NIL

c) Awarded: NIL

**5.7. Papers published in reviewed journals :**

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor / Citation Index	National/ International
1	Optimum Design of Steel Moment Resisting Frames Subjected to Seismic Excitation	International Journal of Innovative Research in Science- Vol. 2, Issue 10,	ISSN: 2319-8753	6.209	International
2	Experimental Study on Performance of Concrete M30 with Partial Replacement of Coarse Aggregate with Sea Shells and Coconut Shells	International. Journal of Engineering Research and Applications Vol. 4, Issue 8-Version 3	ISSN : 2248-9622	5.169	International
3	An Experimental Study On Optimum Usage Of Met kaolin& Fly Ash For Making Of High-Strength Concrete (HSC)	International Journal of Advance Engineering and Research Volume 1, Issue 10	ISSN (Print): 2348-6406	4.14	International
4	Experimental Study on Non Destructive	International Journal of Engineering Research and	ISSN 2091-2730	3.843	International

	Testing Techniques (NDTT)	General Science Volume 3, Issue 1			
5	Experimental study on concrete (m30) by partial replacement of fine aggregate with copper slag	International Journal of Civil Engineering and Technology (IJCET) Volume 8, Issue 1	ISSN Print: 0976-6308 and ISSN Online: 0976-6316	8.97 Scopus indexed	International Scopus
6	Experimental study on Mechanical properties of concrete(M30 ) by adding Natural fibres (Jute fibre	International Journal of Civil Engineering and Technology (IJCET) Volume 8, Issue 1	ISSN Print: 0976-6308 and ISSN Online: 0976	8.97 Scopus indexed	International Scopus
7	A Review Paper On Strength and Durability Studies On Concrete Fine Aggregate Replaced With Recycled Crushed Glass	International Journal of Civil Engineering and Technology (IJCET) Volume 8, Issue 2	ISSN Print: 0976-6308 and ISSN Online: 0976-6316	8.97	International Scopus
8.	Experimental Study on strength parameters of concrete by partial replacement of cement with Recycled crushed glass powder	International Journal of Civil Engineering and Technology (IJCET) Volume 8, Issue 5	ISSN Print: 0976-6308 and ISSN Online: 0976-6316	8.97	International Scopus
9.	A Practical Study of Non Destructive Testing Techniques On Steel Material	International Journal of Advance Engineering and Research	ISSN Print: 2348-6406 and ISSN Online: 2348-4470	4.14	International & UGC Listed

10	“Strength And Durability Properties Of Cement Concrete – M45 Partial Replacement Of Fine Aggregate With Crushed Glass	Book Chapter SPRINGER At Printing Stage (Presented In International Conference Having Mou With SPRINGER	ISBN 978-981-15-1403-6 ISBN 978-981-15-1404-3 (eBook)	-	International Scopus.
11	Mechanical Properties Of Concrete(M40) With Copper Slag As Fine Aggregate Conventional And Ndt(Rebound ) Testing	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	e-ISSN: 2455-2585 Volume 5, Issue 06, June-2019	5.22	International Scopus.
12	Experimental Research on Strength Properties of Concrete (M60) Partially Fine Aggregate Replaced with Waste Crushed Glass.	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8 Issue-4, November 2019	6.04	International Scopus
13	“Durability Performance Of Concrete (M-60) Fine Aggregate Partially Replaced With Crushed Waste Glass”	IJARET Volume 11, Issue 2, February 2020, pp. 1-9	ISSN Print: 0976-6480 and ISSN Online: 0976-6499;	10.26	International Scopus



14	Durability Performance of Concrete (M-45) Fine Aggregate Partially Replaced with Crushed Waste Glass	International Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume-9 Issue-6, April 2020	ISSN: 2278-3075	6.03	International Scopus
15	Evaluation of Mechanical Properties on M30 Concrete Crushed Waste Glass as Fine Aggregate	Journal of Green Engineering,	Vol. 10_9, 5242–5249-2020	1.05	Scopus
16	Review Paper on Applications and Techniques in Concrete Printing	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181 IJERTV9IS0901 97 Vol. 9 Issue 09, September-2020	7.87	International
17	Review paper on e-waste in concrete as a replacement of fine and coarse aggregate	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181 IJERTV9IS0901 97 Vol. 9 Issue 09, September-2020	7.87	International
18	Strength And Durability Properties Of	<b>Book Chapter</b> <b>SPRINGER</b> Presented In	ISBN 978-981-15-1403-6	-	International Scopus

	Cement Concrete – M45 Partial Replacement Of Fine Aggregate With Crushed Glass” <b>Scopus</b>	International Conference	ISBN 978-981-15-1404-3 (eBook)-		
19	Experimental research on ternary blended concrete with sustainable materials	<b>Book Chapter</b> <b>SPRINGER</b> Presented In Conference	978-981-33-4589-8	-	International Scopus
20	Optimum utilization of Alccofine in sustainable ternary blended concrete	<b>Book Chapter</b> <b>SPRINGER</b> Presented In Conference	978-981-33-4589-8	-	International Scopus
21	Mechanical Properties Of Geopolymer Concrete Partial Replacement Of Fine Aggregate With Waste Crushed Glass	<b>Book Chapter</b> <b>SPRINGER</b> Presented In Conference	978—3-030-93936-6_45		International Scopus
22	Durability properties of Geopolymer Concrete Partial Replacement Of Fine Aggregate With Waste	Materials Today Proceedings			International Scopus

	Crushed Glass				
23	Evaluation of mechanical properties of Highstrength E-Waste concrete	Materials Today Proceedings			International Scopus
24	Durability properties of self compacting concrete partial replacement of fine aggregate with waste crushed glass	Materials Today Proceedings			International Scopus
25	Mechanical performance of sustainable ternary blended self compacting concrete with waste crushed glass	Materials Today Proceedings			International Scopus
26	Review Paper on E-Waste in Concrete as A Replacement of Fine and Coarse Aggregate	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181		International UGC
27	Review Paper on Applications and Techniques in Concrete Printing	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181		International UGC

28	Study on mechanical and durability performance of sustainable concrete with fly ash aggregate	IOP Earth and Environmental science			International Scopus
29	Evaluation of Strength Properties of Geopolymer Concrete Inculcated with Wire Mesh	Journal For Basic Sciences	ISSN NO : 1006-8341		International
30	Experimental Study on Behavior of Various FRP on Strength Properties of Concrete	International Journal of Concrete Technology	ISSN: 2456-8317		International
31	Study on Properties of Concrete Cured with Poly Ethylene Glycol-600	International Journal of Concrete Technology	ISSN: 2456-8317		International

### 5.8. Papers presented at National / International Conferences :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Algorithm For Steel Moment Resisting Frames In Earth Quake Resisting Design	C-NCRRAIT-2014-National Conference at BVRIT - Narsapur	National	25 <sup>th</sup> & 26 <sup>th</sup> Sep - 2014
2.	Value-added Utilization of copper slag & Carbon Fibers in Concrete (M60)	1st National Conference on Recent Advances in Civil Engineering	National	5 <sup>th</sup> July, 2019 at JNTUH, Hyderabad

		(NCRACE-2019)		
3.	Durability Performance Of High Strength Concrete With Copper Slag And Carbon	TWODAY International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD - 2019) As a part of the Diamond Jubilee Celebrations of NIT Warangal	International	31 <sup>st</sup> July 2019
4.	Development Of High Strength Sustainable Concrete Using E Waste As Partial Replacement Of Fine Aggregate	29-31 <sup>ST</sup> January	International	ISBN 978-93-8935-488-1
5	A review on self-compacting concrete replacement of fine aggregate using waste glass	ICSBMC-2021 Sardar Vallabhabhai National Institute of Technology – Feb-4-6-2021	International	-
6	A review on geopolymer concrete replacement of fine aggregate with waste glass” ICSBMC-2021 Sardar Vallabhabhai National Institute of Technology	ICSBMC-2021 Sardar Vallabhabhai National Institute of Technology – Feb-4-6-2021	International	-

**5.9. Sponsored research Projects: NIL**

**5.10 Consultancy Projects: NIL**

**5.11 Patents: Patent on “Solar Energy Storage System”**

**6. Awards / Honours received:**

- a) Received 7(seven) times “Employee Of The Month “ awards in a span of 9 years with 150 members project strength.
- b.) Staff selection committee member in D.R.K. Hyd, B.V.R.T Narsapur Medak, S.R.K.I.T Vijayawada.
- c.) Life member of ISTE—M.NO:LM 115265.
- d.) Member of "International Association of Engineers" - ID No: 150478
- e.) Associative Member of "Institute of Research Engineers and Doctors" - ID No: AM1010002354.

f.) Member of "International Journal of Advanced Engineering Research and Technology" - ID No: 140927

**7. Motto:** 1. One of the best Faculty of the Institute.

2. To make the students to do Societal Oriented Projects.

