



Name : Dr.Kolli Ramujee

Designation: Professor

Department: Civil Engineering

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Experience (in years): Teaching: 17

Research: 5

Industry: 4.5

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech in Civil Engineering	1992	Civil Engg
2	M.Tech in Civil Engineering	1997	Structural Engineering
3	PhD in Civil Engineering	2015	Geopolymer Concrete

2. Teaching and Learning:

2.1. Teaching Interests:

Theory and Analysis of Plates, Analysis and design of folded plates & shells, Advanced finite element analysis, Finite element methods, Advanced structural engineering, Advanced structural analysis, Concrete Technology, Mechanics of materials, Engineering mechanics, Mechanics of Fluids and Hydraulic machinery, Building Materials & Construction, Strength of Materials, Quantity surveying and costing, Building planning Design & Drawing, Environmental sciences, Design of R.C Structures, Structural analysis-I&II, Fluid Mechanics.

2.2. Novel Teaching & Learning Techniques adopted:

Student centric approach, PPT's, Real world Examples connect to subject, youtube, NPTEL Vidoes, Case studies were adopted. VNR Lab protocol was introduced for S.M Laboratory etc

2.3. Involvement in curriculum updating / Design:

Involved in updating of curriculum for Structures related subjects for UG Courses in Civil Engineering & PG Courses in Structural Engineering.

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

Student centric system, Teaching & learning with Practical approach

3.2. CCA/ECA Organized:

Coordinator for VECTOR-2001,2002&2003 (A National level Technical fest) at VNRVJIET

Coordinator for STHAPANA-2007,2008&2009 (ANational Level Technical fest) at VNRVJIET

Coordinator from the department for CONVERGENCE-2010,2011,2012,2013 (A National Level fest)

Member of Committee constituted for Cultural day, Annual day & Sintillashunz Celebrations 2007 to 2013.

Convener for SINTILLASHUNZ-2015 (Hyderabad's biggest Cultural fest)

Convener for SINTILLASHUNZ-2015, Cultural day & Annual Day celebrations

3.3. CCA/ECA participated:

- Participated in co-curricular activities like VECTOR, STHAPANA, CONVERGENCE & SINTILLASHUNZ

3.4. Counseling and Mentoring Activity:

Involved in Mentoring for I,II,III&IV B.Tech students

3.5. Committees involved in:

Department level:

- Member, Department Development Council.
- Member, R&D, Industry Interaction and Consultancy Committee.
- Coordinator, B.Tech. (CCC)
- Founder Coordinator, Civil Engineering Association
- Founder Coordinator, M.Tech Structural Engineering
- Coordinator, Entrepreneurship development cell
- Founder Coordinator, ICI student chapter
- Founder faculty involved in setting up the laboratories of Civil Engineering department.

Institute Level:

- Campus maintenance Engineer from 2007-2009
- Coordinator- Shadow Engineering
- Coordinator- NSS cell Unit-2
- Member of a Committee constituted for NBA ,NAAC, UGC(Autonomous) Visits

4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted:

- Organized 1 week STTP on "Finite Element Applications in Engineering", VNRVJIET, Hyderabad in 10-12 Sept. 2008.
- Organized a Three day National level Technical symposium-STHAPANA-2K7 during 24-25 Jan 2007
- Organized a Three day National level Technical symposium-STHAPANA-2K8 during 10-11 Mar 2008
- Organized a Three day National level Technical symposium-STHAPANA-2K9 during 22-24 Mar 2009
- Workshop on "Construction Project Management"(CPM-09), Organized by VNRVJIET, Hyderabad in during 21- 22 August 2009 .
- Workshop on "Recent Advances in Concrete and Construction"(RACC-10), Organized by VNRVJIET, Hyderabad in 08 – 09 May 2010.
- Organized a 2 week SDP on "Staff Development Program (AICTE Sponsored) on "Recent Advances in Concrete & Construction", at VNRVJIET, Hyderabad in 30th April-12th May 2012.

*Organized NMEICT sponsored (Ministry of HRD, Govt of India), A Two- week ISTE-STTP on "Introduction to Structural Engineering" in Association with IIT-Kharagpur during 30th November 2015-9th January 2016.

4.2 Attended:

Short Term Training Programs(STTP) or Refresher course attended(Not less than 1 week)

1. ISTE sponsored course on Finite Element method and its applications at Department of Mechanical Engineering, CBIT, Hyderabad during 11th May 2000 to 27th May 2000.
2. A short-term course on “Computer applications in civil Engineering” at UGC-Academic staff college, JNT University, Hyderabad during 13th November to 3rd December 2002.
3. A short-term course on ‘Structural steel design’ for University faculty sponsored by ministry of steel, Government of India, organized at O.U college of Engineering during 3rd February to 08th February 2003.
4. A short-term course on “Advanced Structural steel design” for University faculty sponsored by ministry of steel, Government of India, organized at National Institute of Technology , Warangal during 27th November to 3rd December 2004.
5. A short -term course on “Finite element analysis” sponsored by SNIST, Hyderabad, during 27th June to 1st July 2005.
6. A short term course on “Finite element methods in Earthquake Engineering” sponsored by NPTEL organized by IIT, Chennai during 4th July to 8th July 2005.
7. A short term course on “Geosynthetics and its applications in infrastructure projects” organized by IIT, Chennai during 17th - 21st July 2005.
8. A short term course on “seismic soil structure interaction analysis in Time domain (3SIATD 2007)” organized by IIT, Chennai during 26th - 30th July 2007.
9. A short term course on “Creative teaching of structural analysis” (CTSA-2007) organized by Dept of civil Engg JNTU, Hyderabad 17th - 22nd Dec 2007(resource person: DrDevdos Menon.
10. A National Work shop on Finite element Applications In Engineering” Organized by VNRVJIET during 4-6th September 2008
11. A short term course on Basic Matrix and Finite element analysis of structures(BMFEAS- 09) organized by department of civil Engineering ,IIT Madras during 04-09 october 2009
12. A short term AICTE sponsored Analysis and design of foundation systems for Infrastructure projects organized by GVP college of Engineering, Vizag during 23-28 July 2010.
13. A short term AICTE sponsored Staff development program on “Recent advances in concrete &Constnution (RACC-12)” by department of civil Engineeering VNRVJIET, Hyderabad during 30th April to 12th May 2012.
14. Attended a two day Workshop on Recent developments in Pavements organized by Dept of civil Engineering during 23-24 August 2011.
15. Attended a Two day Workshop on Energy, Environment and sustainable development organized by Department of Civil of Engineering, VNRVJIET during 02-03 May 2011.
16. A short term AICTE sponsored 2 week Staff development program on “Finite element applications in Civil Engineering, held during 03-15 May 2013 organized by department of civil Engineering VNRVJIET, Hyderabad .
17. NMEICT sponsored a one week ISTE-STTP on “Introduction to Structural Engineering” organized by IIT-Kharagpur held during 29th September-3rd October 2015.

Workshops Attended

18. Attended 2 – Day Workshop on “Recent Issues & Developments in Pavement Engineering”, during 27 – 28 August 2010 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.
19. Attended 2 – Day Workshop on “Advance Surveying Techniques & Mapping Using Total Station: Hands on Practice”, during 18 - 9 January 2013 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.

20. Organized 3 – Day Workshop on “Art Of Teaching”, during 13 – 15 May 2013 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.
21. Organized 3 – Day Workshop on “Tutelage on Traffic Engineering & Transportation Planning Using VISSIM & VISUM”, during 20 – 22 May 2013 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.
22. Organized 2 – Day Workshop on "Recent Advances In Concrete Technology", during 23 – 24 May 2013 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.
23. Organized 2– Day Workshop on “Computational Skills Enhancement in Geotechnical Engineering”, during 28 – 29 November 2013 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.
23. Organized 1– Day Workshop on “Disaster Preparedness, Management and Risk Reduction (DPMR)”, on 9th December 2013 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.
24. Organized 1 - Day Workshop on “A Step to NBA Accreditation Edification on Program Educational Objectives and Out Comes” on 19 July 2014 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.
25. Organized 3 – Day Workshop on “Reinforce Earth – Concepts, Applications & Practices in Geotechnical Engineering”, during 20 – 22 October 2014 at Dept. of Civil Engineering, VNRVJIET, Hyderabad.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

S.N.	Title of Lecture/ Academic Session	Title of Conference/	Date(s) of the event	Organised by	Whether Internatio
1	Invited lecture on Special concretes	PG course on Construction Management at National Academy of Construction	21-08- 2008 to 25 th August 2008	National Academy of Construction (NAC) , Hyderabad	National
2	Invited lecture on Project management in Infrastructure projects	2-day workshop On Construction Project Management	21-22 August 2009	Department of Civil Engineering VNRVJIET, Hyderabad	National
3	Invited lecture on Effect of replacement of fine aggregate with marginal materials in	2-day National Workshop on “ Recent advances in Concrete and Construction(RAC C-10)	08-09 May 2010	Department of Civil Engineering VNRVJIET, Hyderabad	National

4	Nondestructive evaluation of concrete structures	A 2 week-AICTE sponsored Staff development program on “Recent advances in concrete & Construction	1-5-2012	Department of Civil Engineering VNRVJIET, Hyderabad	National
5	Development of Geopolymer concrete	A 2 Week AICTE sponsored Staff development program on “Recent advances in concrete	4-5-2012	Department of Civil Engineering VNRVJIET, Hyderabad	National
6	Recycled aggregate concrete	A 2 Week AICTE sponsored Staff development program on “Recent advances in concrete	5-5-2012	Department of Civil Engineering VNRVJIET, Hyderabad	National
7	Approximate methods for boundary value problems	AICTE sponsored 2 week Staff development program on “Finite element	13-6-2013	Department of Civil Engineering VNRVJIET, Hyderabad	National
8	Invited paper on Studies on F-type Geopolymer concrete	ASIA-PACIFIC Conclave held during 16-18 th December 2013 at KOLKATA	17-12-2013	Coal Ash Institute of India	International
9	Industry-Institute Interaction-A case study	UGC sponsored Three week winter school on Strategies on research oriented Teaching held during 20-1-2014	01-02-2014	UGC-Academic Staff college JNTU Hyderabad	National
10	Invited lecture on Special concretes	PG course on Construction Management at National Academy of Construction	21-12-2015	National Academy of Construction (NAC), Hyderabad	National

11	Invited lecture on Approximate classical methods in FEM for Boundary value problems	TEQIP sponsored 3-day workshop on Finite element methods in Mechanical	27-022016	Department of Mechanical Engineering, VNPRVIET	National
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5.2. Articles / Chapters published in Books:

S.N.	Title with page no.	Book Title, editor & publisher	ISSN/ISBN No.	Whether peer reviewed	No. of Co-Authors and date of publication
1	Assessment of chloride Ion penetration of Alkali activated low calcium fly ash-based Geopolymer concrete for Environmental sustainability. Vol No 692, pp 129-137, 2016	Materials for Sustainable Built Environment Trans Tech Publications, Switzerland Indexed by Elsevier & Scopus	ISBN-13: 978-3-0357-1012-0	Peer reviewed	1

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

5.4. Projects Guided :

- a) UG : more than 30 projects were offered to B.Tech students in the area of Concrete technology, Materials for sustainable development, Geopolymer concrete etc..
- b) PG :
1. Durability characteristics of Geopolymer concrete
 2. Development of Geopolymer concrete-Indian Scenario
 3. Development of high strength geopolymer concrete
 4. Strength and durability studies on geopolymer concrete in higher grade
 5. Development and optimization of fibre reinforced GPC using manufactured sand
 6. Parametric optimization of Alkali activated F-type Fly-ash based Geopolymer concrete
 7. Development of Eco-friendly low cost Geopolymer bricks
 8. Flexural behavior of geopolymer concrete beams using geogrids

9. Assessment of seismic damage of RC framed buildings using fuzzy logic

5.5. Research Interests : Materials for sustainable development, geopolymer concrete, Concrete subjected to fire, Selfcompacting concrete, finite element analysis of structures, Non-destructive evaluation of structures etc...

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	“Non destructive evaluation of concrete structures-A critical review”	Journal of ING of International Association of Bridge and Structural Engineers” Vol 42 2,4,pp1-6, Dec 2012.	ISSN 1016-8664	----	International
2	Strength properties of Polypropylene fiber reinforced concrete.	International journal of Innovative Research in Science, Engineering and Technology, <i>Vol.2, Issue.8, Aug 2013.</i>	ISSN 2347-3207	5.237	International
3	Development of mix design for low calcium based geopolymer concrete in Ordinary, standard & high strength grades	Indian concrete institute Journal (ICI),vol no 14, issue no 2, 29-34.July-sept ,2013.	ISSN 0972-2998		National
4	Development of low calcium fly ash based Geopolymer Concrete.	International Journal of Engineering and Technology, vol 6,No 1,pp 1-4.feb 2014.	ISSN 1793-8236		International
5	Abrasion resistance of geopolymer concrete composites.	Procedia materials science” published by Elsevier journal. Vol 6,2014, pp 1961-1966	ISSN 2211-8128		International

6	Effect of water to geo-polymer solids ratio on workability and strength characteristics of Low calcium fly ash based concrete	International journal of Earth sciences & Engineering”vol 7, no.4,pp 537-541, Aug 2014	ISSN 0974-5904	0.40	International
7	Permeability and abrasion resistance of geo-polymer concrete” .	Indian Concrete journal(ICJ)vol 88,No 12,pp34-43, Dec 2014,	ISSN 0019-4565		National
8	Parametric optimization of F-Type fly-ash ash based Geo-polymer concrete	Journal on structural Engineering, Vol 3, No.1 pp 13-19 , Mar-May 2014	ISSN 2278-7887		National
9	Hudhud cyclone- A severe disaster in Visakhapatnam	International journal of research in Engineering and Technology, Vol 3,no 16,pp156-163, Dec 2014	ISSN: 2321-7308	Peer reviewed 3.127	International
10	Performance characteristics of Geo-polymer concrete	Indian concrete institute Journal (ICI),vol no 16, issue no 1, pp 30-36-.April-June,2015	ISSN 0972-2998		National

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Effect of different Admixtures on workability of Concrete	International conference on recent advancements in Concrete and construction	International ICACC 2004	16-18 Dec 2004 Vasavi college of Engineering in assn with south Dakota school of Mines Rapid city, USA

2	Compressive strength of Fly ash concretes subjected to elevated temperatures”	International conference on recent advances in Concrete and construction technology	International	7-9 th Dec 2005 held at SRM University Chennai.
3	Splitting tensile strength of high volume fly ash concretes with and without steel Fibers in different grades	International conference on recent advances in Concrete and construction technology	International	7-9 th Dec 2005 held at SRM university Chennai.
4	Assessment of seismic damage of RC framed building using Fuzzy logic	<i>International conference on structural dynamics</i>	International	7-9 th Dec2005 held at GITAM Visakhapatnam
5	Uncertainties in Earthquake damage assessment of Buildings	International conference on Natural hazards and Disaster management	International	11-13 th March 2007 held at CBIT Hyderabad
6	Effect of fine aggregate replacement with fly ash on some properties of concrete	International conference on recent advancements in Concrete and construction	International	7 th – 9 th February 2008 held at VASAVI Hyderabad
7	Sulphate resistivity of Rice husk ash high strength concrete	International conference on Civil,Structural and Environmental Engineering,	International	18-19 th February 2011. Tiruchengode, Tamilnadu
8	Quality assessment of New Concrete structures by NDT techniques	International conference on Condition monitoring ICCM-2011	International	23-24 th February 2011. GITAM, Visakhapatnam
9	Geopolymer concrete-A Potential alternative future generation material	International conference on material characterization and manufacturing process ICCMP-12	International	18-19 February 2012 held at GRIET, Hyderabad
10	Development of Low calcium fly ash based Geopolymer concrete	International conference on Civil Engineering & Materials (ICCEM-2013)	International	6-7 th July 2013 held at HONGKONG

11	Mechanical Properties of Low calcium fly-ash based Geo-polymer concrete	Nirma University International conference on Engineering NUICONE-2013	International	28-30 November 2013 held at NIRMA University AHMEDABAD
12	Studies on F-type fly ash based Geo-polymer concrete Invited paper	ASIA-PACIFIC CONCLAVE-2013	International	16-18 th December 2013 held at KOLKATA
13	Effect of water to polymer solids ratio on workability and strength characteristics of Low calcium fly ash based concrete	International conference on recent trends in Civil Engg ICETCE-14)	International	6-8 th January 2014 held at VNRVJIET, Hyderabad
14	Abrasion resistance of gepolymer concrete composites	International conference on material Processing and acterization.	International	8-9 th March 2014 at at GRIET, HYDERABAD
15	Hudhud cyclone- A severe disaster in Visakhapatnam	ICPECDM-2015	International	18-19 th December 2014 at GITAM University, Visakhapatnam
16	Sorptivity and water absorption characteristics of Geopolymer concrete and OPC concrete	UKIERI-2015 , UKIERI Concrete congress ,	International	2-5 th Nov 2015 Dr B.R. Ambedkar NIT Jalandhar
17	Mechanical Properties of geopolymer concrete composites	ICMPC-2016	International	12-13 March 2016 GRIET, Hyderabad
18	Analysis and design of ASRS system using Finite element analysis	National seminar on Civil Engineering Applications	National	24-25 January 2007 held at VNRVJIET, HYDERABAD
19	Analysis and design of Bogie structure using ANSYS	National seminar on Civil Engineering Applications	National	24-25 January 2007 held at VNRVJIET, HYDERABAD
20	Bacterial concrete- An innovative solution to concrete crack remediation	National Conference on special concretes	National	23-24 December 2011, VIJAYAWADA
21	Geo-polymer concrete- An overview	National Conference on special concretes	National	23-24 December 2011, VIJAYAWADA

22	Effect of super-plasticizers on High performance concrete	National conference on Recent advances in structural Engineering	National	05-06 January 2012, VNRVJIET Hyderabad
23	Strength properties of fiber reinforced concrete	National conference on Recent advances in structural Engineering	National	05-06 January 2012, VNRVJIET Hyderabad
24	Bhuj & Nepal Earthquakes: Technical Fall-Outs And Lessons To Be Learnt	2-Day National Conference on "Disaster Preparedness, Mitigation and Reconstruction of Sustainable Society"	National	11-12 th February 2016 VNRVJIET Hyderabad

5.9. Sponsored research Projects:

S.N.	Title	Agency	Period	Grant/ Amount Mobilized (Rs Lacs)	Completed/ Ongoing
1	Recent Advances in Concrete and Construction(RACC-12) Co-investigator	AICTE sponsored	30 th April-12 th May 2012	2.70	Completed
2	Introduction to Structural Engineering	NMEICT sponsored Govt of India Ministry of HRD	4 th -9 th January 2016	0.98	Completed
3	Cost comparison of Precast construction and Conventional RCC	M/s Sarath's City Capital , Hyderabad	Ongoing	2.00 (Sanctioned)	Ongoing

5.10 Consultancy Projects:

S.N.	Title	Agency	Period	Grant/ Amount Mobilized (Rs). Lakhs)	Ongoing/c Completed
1	Design of industrial building	M/s Divyashakthi granites Ltd.	2005-06	0.50	completed
2	Design & Testing of materials	M/s Maytas Infra Limited & others	2006-07	0.53	completed
3	Design & Testing of materials	M/s Hi-rise Projects	2007-08	0.50	completed
4	Design & Testing of materials	M/s SRR Projects PVt Ltd	2008-09	0.54	completed
5	Design & Testing of materials	M/s Abhaya homes	2009-10	0.56	completed
6	Design & Testing of materials	M/s Alliens group	2010-11	0.58	completed
7	Design & Testing of materials	M/s JVK Infrastructures, M/s Ark Builders & others	2011-12	1.50	completed
8	Design & testing of materials	M/s Spectrum Engineers & M/s SRR Properties	2012-13	1.00	completed
9	Shadow Engineering (A Unique program to bridge the gap between Industry & Academia)	M/s Keerthi Industries LtD	2012-13	27.0	Process outcome & Policy Document

10	Shadow Engineering (A Unique program to bridge the gap between Industry & Academia)	M/s Keerthi Industries Ltd	2013-14	27.0	Process outcome & Policy Document
11	Design & testing of materials	M/s Spectrum Engineers & M/s SRR Properties	2013-14	1.00	
12	Design & testing of materials	M/s Ramboll telecom and power engg	2013-14	0.50	
13	Design & testing of materials	M/s Intercontinental Infrastructures Ltd	2014-15	1.0	
14	Design & testing of materials	M/s Intercontinental Infrastructures	2015-16	1.0	
15	Quality assessment of VNRVJIET hostel block	M/s Intercontinental Infrastructures Ltd	2015-16		Q/C report was submitted
16	Stability analysis of B-008 block	VNRVJIET	2015-16		Report was submitted
17	Structural Health monitoring of existing industrial structure	M/s Jeevan polymers limited, Hyderabad	2015-16	0.20	Report was submitted

6. Awards / Honors received:

1. Gold medal in SSC (1986)
2. Significant contribution made in designing and Implementing the Unique program called Shadow Engineering for all Branches of Engineering during 2012-13 & 2013-14 Academic years for which World Education Award-2013 was received under Industry-Academia category.
3. Contributed in developing the Shadow Engineering Appreciation and Guidance Record for all branches of Engineering in document form(Books)(2013).
4. Contributed in developing the Laboratories of Civil Engineering Department as a Founder Faculty member in VNRVJIET(2002-2005).
5. Actively involved in Consultancy works offered by the department for more than 30 clients in Hyderabad and specialized in Assessing the Health monitoring of new and old structures.(2002 to 2016)
6. Obtained first PhD in the Area of Geopolymer Concrete(Concrete with no cement) in Telugu states and One among the first ten PhD's in India in the area of Geopolymer concrete (2015)
7. Selected as Assistant Executive Engineer(gazette) in irrigation department , Government of Andhra Pradesh, through APPSC selection process(2009).

7. Motto:

Work is worship