

CURRICULUM VITAE



Name

L.AJAY KUMAR

Present Position & Office Address

Assistant Professor (C)
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❖ ACADEMIC QUALIFICATIONS

Ph. D. (Civil Engineering)

Persuing under guidance Prof .D.Rupesh Kumar,
UCE, OU.
Title: “Effect of Various Skew Angles on
Bridges”

M.E (Structural Engineering)

Osmania University, Hyderabad, 2009

B.E. (Civil Engineering)

Osmania University, Hyderabad, 2007

❖ TEACHING EXPERIENCE

21 September 2011-Till date

Assistant Professor (C), Dept. of Civil
Engineering, University College of Engineering
(A), Osmania University, Hyderabad-500 007,
T.S.

❖ PROFESSIONAL EXPERIENCE

- **Electronics Corporation of India LTD., HYDERABAD** *May - Nov'07*

Worked as graduate engineer apprentice for a span of 6 months

- **Rural Development Dept, Govt of AP** *Sep 2009 - Sep 2011*

Worked as Engineering Consultant under NREGS for a span of 1 year 9 months.

Role: Elected as ground water recharge project officer representing the entire district of Nalgonda under which surveyed critical basins in Bhongir and Yadagirigutta

mandals. Identified works that includes Check dams, percolation tanks, and minor irrigation tanks.

Estimation and execution of Cement concrete roads, gravel roads at Gram Panchayat level.

❖ ADMINISTRATIVE EXPERIENCE

- In-charge, Survey Laboratory from Jan 2024.
- Asst. Incharge for UG & PG examinations 15.03.2019
- Departmental Coordinator for M.E exams from Academic Year 2013-2014
- Mentor for B.E (Civil) 4th year students
- Examiner for Under-graduate & Post-graduate Dissertations of various colleges.
- Department Hand Book Coordinator from Academic Year 2014- to till date
- Coordinator for BE (Main & Supplementary) at Examination Branch, OU from 30-11-2012 to 17-02-2013
- Member of organization committees of various events

❖ AREAS OF RESEARCH / INTEREST

- Structural Analysis and Design
- Earthquake-Resistant Design
- Advanced Concrete Technology
- Bridge Engineering
- Construction Materials and Methods
- Structural Health Monitoring (SHM)

❖ SUBJECTS TAUGHT AT PG AND UG LEVEL

At PG Level	At UG Level
Theory of plates	Steel designs/SEDD-II (Steel)
Structural Design	Structural engineering design and drawing (Concrete)
Prestresses Concrete	Strength of materials/Mechanics of materials
Advanced Concrete Technology	Concrete Technology
	Engineering mechanics I & II
	Estimation, costing and management
	Building Materials & Construction
	Construction Management & Technology
	Green Building Technology
	Engineering Graphics

❖ RESEARCH PUBLICATIONS

• **National Conferences / Seminars / Symposiums – 4**

- **“Effect Of Sodium Acetate As An Admixture On Concrete Properties “** 2-Day National Conference on Recent Trends in Structural Engineering(6th& 7th Jan 2012) Organised by Department of Civil Engineering,VNR Vignan Jyothi Institute Of Engineering & Technology
- **“Analyis and Design of Steel and PSC composite Girder for Cost Comparison”** ATwo day National Conference on Advances in Civil Engineering and Infrastructure Development (6-7 February 2014) Organised by Department of Civil Engineering, Vasavi College Of Engineering, Ibrahimbagh,Hyderabad,500031,A.P
- **“Analysis and Deisgn of High Rise Building Using Etabs”** One-Day National Conference on Recent Advances in Civil Engineering(2nd March 2014) Organised by Department of Civil Engineering, CMR technical campus, Kandlakoya(v),Medchal(M),Hyderabad,A.P
- **“Greater Hyderabad-A Watershed Perspective Using GIS”** 2-Day National Conference on Recent Research Advances in Civil Engineering(7th& 8th November 2014) Organised by Department of Civil Engineering,University College of Engineering , Osmania University,Hyderabad ,07,A.P.

❖ International Journals:

- **“An Experimental Investigation On Strengthening Of RC Beam Using Bamboo Fiber Reinforced Polymer Laminate”**. In Goys Journal Volume 18, Issue 09, 2025.

❖ **WORKSHOPS / SHORT TERM COURSES / CONFERENCES CONDUCTED**

- One Day National Workshop on Repair and Rehabilitation of Structures (RRS-2018)at the Department of Civil Engineering, UCE (A), OU on 28th February, 2018.
- One Week Faculty Development Programme on “Finite Element Analysis using MIDAS Software (Hands on Experience)”at the Department of Civil Engineering, UCE (A), OU during 12-16 March, 2019.
- “Three-day technical training program on various instruments used in the Surveying Laboratory” at the Department of Civil Engineering, UCE (A), OU during 21st August 2025 to 23rd August 2025.

❖ **WORKSHOPS / SHORT TERM COURSES / CONFERENCES ATTENDED -**

S. No.	Name of Seminars/ /Conferences/ Symposia/STTP/Workshops attended	Name of the Sponsoring Agency	Duration/Date
1	Two Day National Conference on Advanced Computing Applications in Civil Engineering (ACACE-2018)	CED, UCE (A), OU, Hyderabad	20-21 April 2018

2	One Day National Workshop on Repair and Rehabilitation of Structures (RRS-2018)	CED, UCE (A), OU, Hyderabad	28 February 2018
3	One Day Induction Program	UCE (A), OU, Hyderabad	20 January 2018
4	Two Day Workshop on Teaching, Learning and Assessment Methodologies	UCE (A), OU, Hyderabad	13-14 December 2016
5	One Day Workshop on Finite Element Methods (FEM-2016)	CED, UCE (A), OU, Hyderabad	30 July 2016
6	Training Program on Structural Steel Design - Indian Structural Steel Professionals and Academicians Meet (ISPAT-2015)	IIT Hyderabad, TEQIP II	25-29 May 2015
7	One Week Faculty Development Program on MSC-Nastran (Hands on Experience)	CED, UCE (A), OU, Hyderabad	12-17 May 2014

❖ GUEST LECTURES

Year	Activity: Invited Lectures / Paper presentations
2015-2016	Delivered a Guest Lecture on “Building Materials and Construction” – Advancements in sustainable materials” on 2 nd , 3 rd and 4 th October 2015 at Rajiv Gandhi University of Knowledge Technologies, Basar
	Delivered a Guest Lecture on “Building Materials and Construction” – Innovative Construction Techniques ” on 9 th , 10 th and 11 th October 2015 at Rajiv Gandhi University of Knowledge Technologies, Basar
	Delivered a Guest Lecture on “Material Selection and Performance ” on 21 st and 22 nd February 2016 at Rajiv Gandhi University of Knowledge Technologies, Basar
	Delivered a Guest Lecture on “Advanced Materials in Construction ” on 12 th and 13 th March 2016 at Rajiv Gandhi University of Knowledge Technologies, Basar
	Delivered a Guest Lecture on “Sustainable Construction Practices” on 20 th and 21 st March 2016 at Rajiv Gandhi University of Knowledge Technologies, Basar
	Delivered a Guest Lecture on “ The Role of Technology in Construction ” on 28 th and 29 th March 2016 at Rajiv Gandhi University of Knowledge Technologies, Basar
	Delivered a Guest Lecture on “Construction Safety and Risk Management” on 14 th and 15 th April 2016 at Rajiv Gandhi University of Knowledge Technologies, Basar

❖ B.E PROJECTS GUIDED :

- “Study on Effect Of Various Skew Angles on Concrete Composite Bridge using STAAD.Pro”-2025
- Retrofitting of existing building for seismic criteria, **May 2024**
- Stabilization of petroleum contaminated soil by using various additives, **May 2023**
- Comparative study Analysis & Design of Residential Building Using Manual & Computer Software, **May 2022**

❖ M.E PROJECTS GUIDED:

- “An Experimental Investigation On Strengthening Of Rc Beam Using Bamboo Fiber Reinforced Polymer Laminate”-2025