



# Civil Quest

**NEWS LETTER OF CIVIL ENGINEERING DEPARTMENT, K L UNIVERSITY**

**PATRON:** Er. K. SATYANARAYANA – President

**EDITOR:** Dr. V.Ranga Rao – Head & Chair, Dept. of CE

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## **FROM THE EDITOR:**

I am happy to present our monthly news letter, the Civil Quest, for the month of January 2016 of Civil Engineering Department.

Department welcomes the new faculty who joined our team recently. Faculty & student achievements & some of the department activities are highlighted in this issue.

I am thankful to the contributors and look forward for more inputs for the future issues of Civil Quest.

**Dr.Ch.Hanumantha Rao**  
**Editor – Civil Quest**

## **VISION OF THE DEPARTMENT**

To impart technical education in cutting edge technologies, inculcating applied research, scholarly inquiry, creative endeavor, through the knowledge and values based moulding of students and make an imprint in the economic and social development of the Nation.

## **SHORT TERM GOALS**

- To encourage faculty of the department to attend Academic Conferences, Seminars, Summer & Winter Schools, and other training programs
- To offer Research-oriented Projects for final year B-Tech students
- To emphasize on Soft Skills and Communication abilities of students
- To provide continuous training and reorientation to the Faculty to keep up with the modern trends

## **LONG TERM GOALS**

- To interact with industries and sign MOU's for collaborative programs
- To obtain live-projects from Industry
- To introduce more P.G. Courses in the Department
- To improve infrastructure further for Consultancy work
- To conduct International, National Conferences and Short Term Courses (Winter & Summer) regularly
- To add advanced software in the Department over and above the Curriculum
- To add non-destructive testing equipments in the concrete laboratory
- To maintain the standards required by NBA and NAAC

## DEPARTMENT PROFILE

The Department of Civil Engineering was established in 1980 with an intake of 60 students and 5 Faculty. The department has been successful in producing the excellent and well-trained graduates. Today we have 630 Students and thirty-one members of teaching staff drawn from premium institutes throughout India out of whom three are Professors, eight are Associate Professors and Twenty are Assistant Professors. Fifteen staff members are having more than ten years experience, seven are doctorates and Thirteen pursuing PhD's.

The departmental activities embrace Testing, Planning, Design, Construction and Management. The Department offering Courses for Graduates in civil Engineering, Post graduates in Structural Engineering and PhDs in civil Engineering. The department has flexible syllabus for the students to get placed for their post graduation in specialized branches of civil engineering like Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering etc.

The department has well equipped laboratories. Many of our alumni hold prestigious positions in leading academic institutions, industry and government in different countries all over the world.

### STUDENTS STRENGTH B. Tech

S.NO	YEAR	NO. OF STUDENTS
01	2	156
02	3	192
03	4	184
Total		532

### STUDENTS STRENGTH M. Tech

S.NO	YEAR	NO. OF STUDENTS
01	M.Tech (SE) 1 <sup>st</sup> Year	37
02	M.Tech (CTM) 1 <sup>st</sup> Year	17
03	M.Tech (SE) 2 <sup>nd</sup> Year	47
04	M.Tech (CTM) 2 <sup>nd</sup> Year	19
Total		120

## DEPARTMENT ACHIEVEMENTS:

- The department of Civil Engineering, K L University is ISO certified and accredited for two times by NBA, and NAAC with "A" Grade and CGPA (3.76 / 4.00)
- The department has a track record of generating highest revenue in terms of Consultancy at K L University and also providing testing services for expansion of its infrastructure.

- Consistent in providing 100% placements for consecutive six years in construction companies such like L&T, HCC, TECHNIP, GMR, SP, ESSAR, CCCL, TCE, etc. along with other IT & Infra related companies and R&D organizations
- B. Tech Civil Engineering Students won the prestigious “Yuva Ratna Award” in the year 2011 and 2009 respectively at a national level organized by Aditya Birla Group’s “Birla White”
- The entire faculty of the department are well qualified in their PG and/or Ph D from reputed Universities, where more than 50% of them are from IITs with M-Tech as a minimum qualification
- More than 50 research papers were published by faculty of the Department in reputed and refereed International / National Journals, and also submitted innovative projects to the Department of Science and Technology (DST), Government of India in the last two years
- Advanced courses are implemented in the department maintaining IIT standards in the curriculum
- International students from neighboring countries like Bhutan, Nepal, etc. are pursuing their B-Tech in Civil Engineering at K L University
- Five Bhutan Students of 2008-2012 Passed out Batch has scored Top 11 Places in Civil Services conducted by Royal Government of Bhutan. In this Top One was scored by

## NEWS CORNER:

### RPAC CONSTITUTION FOR DEPT.OF CE

S.NO	NAME	DESIGNATION
1	Dr.A.Siva Shankar	Chairman
2	Dr.V.Ranga Rao	Convener
3	Dr.Ch.Hanumantha Rao	Member
4	Dr.T.Reshma	Member
5	Dr.Y.V.Hanumantha Rao	Member

### TEACHING FACULTY IN OUR DEPARTMENT

S.No	Name of Faculty	Designation	Qualification
1	Dr. C. Ravi Kumar Reddy	Professor & HOD	Ph.D
2	Dr. K. Ramesh	Professor	Ph.D
3	Dr. AVS Prasad	Professor & Pro VC	Ph.D
4	Dr. Ch. Hanumantha Rao	Professor & Dean EE	Ph.D

5	Dr. Y. Sreeramulu	Professor	Ph.D
6	Dr. V. Ranga Rao	Professor	Ph.D
7	Mr. S. Kanakambara Rao	Asso Prof	M.Tech
8	Dr. K. Raja Sekhara Reddy	Asso.Prof	Ph.D
9	Mr. P. Sundara Kumar	Asso.Prof	M.Tech
10	Dr. A. Siva Sankar	Asso.Prof	Ph.D
11	Dr. N. Srujana	Asso.Prof	Ph.D
12	Mr. K. Shyam Chamberlin	Asst Prof	M.Tech
13	Ms. K. Prasanthi	Asst.Prof	M.Tech
14	Mr. K. Hemantha Raja	Asst.Prof	M.Tech
15	Mr. Y. Himath Kumar	Asst.Prof	M.Tech
16	Mr. D. Satish Chandra	Asst.Prof	M.Tech
17	Mr. N. Jitendra Babu	Asst.Prof	M.Tech
18	Mr. B. G. Rahul	Asst.Prof	M.Tech
19	Mr.B.S. Chandra Kumar	Asst.Prof	M.Tech
20	Mr. T. Naga Seshu Babu	Asst.Prof	M.Tech
21	Mr. T. Venkat Das	Asst.Prof	M.Tech
22	Mr. K. Deepak	Asst.Prof	M.Tech
23	Mr. I. Siva Kishore	Asst.Prof	M.Tech
24	Mr. S. S. Bhanu Prakash	Asst.Prof	M.Tech

25	Ms. Ch. Mallika Chowdary	Asst.Prof	M.Tech
26	Mr. S. Srikanth Reddy	Asst.Prof	M.Tech
27	Mr. J. D. Chaitanya Kumar	Asst.Prof	M.Tech
28	Ms. T. Reshma	Asst.Prof	M.Tech
29	Mr. P. Venkata Sarat	Asst.Prof	M.Tech
30	Ms. P. Dhana Sai Lakshmi	Asst.Prof	M.Tech
31	Mr. M. Lokesh	Asst.Prof	M.Tech
32	Ms. D. Sowjanya	Asst.Prof	M.Tech
33	Ms K. Neeharika	Asst.Prof	M.Tech
34	Ms. K. Venkata Kiranmayi	Asst.Prof	M.Tech
35	Ms. K. Sai Kala	Asst.Prof	M.Tech
36	Mr. V. Raju	Asst. Prof	M.Tech
37	Mr. G. Praneeth Babu	Asst.Prof	M.Tech

### NEWLY JOINED FACULTY MEMBERS

S.No	Name of Faculty	Designation	Qualification
1	MR.NAMBURU SUDHEER KUMAR	LAB TECHNICIAN	(B.Tech)

### NON TEACHING STAFF IN OUR DEPARTMENT

S.NO	NAME OF THE STAFF	DESIGNATION
1	Mrs. T K . Durga Devi	Inst Mech
2	Mr. Y.Poornachandra Rao	Jr. Mech

3	Mr. Y. Krishna Kumar	Lab Tech
4	Mr.T.Balakrishna	Off. Asst
5	Mr. P. Ravi Kumar	Lab Tech
6	Mr. K. Venkateswara Rao	Lab Tech
7	Mr. Karimullashah. MD	Programmer
8	Mr. K. Sai Kumar	Lab.Tech
9	Mr. B. Srinu	Lab Tech
10	Mr. P. Phani Bhaskar	Asst. Manager consultancy
11	Mr. T. Raja	Lab Tech
12	Mr. P. Suresh Babu	Asst. Draft Man
13	Mr. K. Ashok	Asst. Draft Man

## CONSULTANCY WORKS

Consultancy Tests Conducted In Our Department for Different Clients from the Period October 2015 to December 2015

October 2015			
S. No.	Date	Name of the Client	Tests
1	1/10/2015	IJM India Infrastructure Ltd	Steel
2	3/10/2015	Bhavanam Constructions	Cubes
3	9/10/2015	Siri Estates, Gandhi Nagar, VJA	Cubes
4	12/10/2015	Siri Estates, Gandhi Nagar, VJA	Cubes
5	13/10/2015	Dy. Executive Engineer, PIU Sub Division, Vinukonda	Soil
6	14/10/2015	Sri Venkat Builders, Vallabhapuram	Soil
7	16/10/2015	Bhavani Electrical Pvt Ltd	Cement, Steel, Cubes

8	17/10/2015	IJM India Infrastructure Ltd	Aggregates
9	17/10/2015	IJM India Infrastructure Ltd	Cement
10	19/10/2015	Bhavani Electrical Pvt Ltd	Cement, Steel, Cubes
11	26/10/2015	Bhavanam Constructions	Cubes
12	26/10/2015	Enner Construction	Design Charges
13	28/10/2015	Siri Estates, Gandhi Nagar, VJA	Cubes
14	30/10/2015	Deepika Infra Tech Pvt Ltd, VJA	Mix Design
November 2015			
S. No.	Date	Name of the Client	Tests
1	2/11/2015	IJM India Infrastructure Ltd	Water
2	2/11/2015	IJM India Infrastructure Ltd	Soil
3	2/11/2015	IJM India Infrastructure Ltd	Expert Fee
4	2/11/2015	Deepika Infra Tech Pvt Ltd, VJA	Mix Design
5	5/11/2015	Motey Engineering & Consultancy Pvt Ltd	Steel
6	18/11/2015	IJM India Infrastructure Ltd	Steel
7	19/11/2015	Bhavanam Constructions	Cubes
8	19/11/2015	Siri Estates, VJA	Cubes
9	23/11/2015	Madhu Sudhana Rao, Mag	Soil
10	25/11/2015	Prograssive construcion Ltd	Soil
December 2015			
S. No.	Date	Name of the Client	Tests
1	2/12/2015	Srinivasa edifice Pvt Ltd	Curb Stone

2	2/12/2015	Srinivasa edifice Pvt Ltd	Ballast
3	2/12/2015	Srinivasa edifice Pvt Ltd	Ballast
4	2/12/2015	K. B. Bhagan	Cubes
5	7/12/2015	K. B. Bhagan	Cubes
6	9/12/2015	SCS Infrastructure Ltd, HPCL, Suryapet	Sand, Brick, Water
7	14/12/2015	Executive Engineer, PRI, Tenali	Steel, Mix Designs
8	15/12/2015	Hanuman Construction, Chinakakani	Water
9	16/12/2015	Bhavan Construction, Tadepalli	Cubes
10	17/12/2015	Siri Estates, VJA	Steel, cubes, Sand
11	17/12/2015	Rusha Sree Magali, Gunadala, VJA	Soil
12	18/12/2015	Prograssive Construction Ltd, Gopavaram	Soil
13	23/12/2015	V. S. Engineer Pvt Ltd	BM, SDBC
14	29/12/2015	Sree Suchitra Ready Mix, Nidamanuru	Water
15	30/12/2015	K. B. Bhagan	Cubes
16	30/12/2015	S. Samba Siva Ra, Railway Contractor, VJA	Cubes
17	31/12/2015	J. Kishore Kumar, Bitragunta	Sand

### Faculty Development Programs & Orientation Lectures

S.No	Name of the Programme	Name of the Faculty	Date	Venue
1.	Engineered Landfills for Hazardous wastes	Dr. M. Anjaneya Prasad	17.10.15	K.L.University
		Dr. Y. Sreeramulu		
		Dr. N. Sanjeev		
		Dr. S. Kanakambara Rao		



		Dr. A. Siva Shankar		
		Mr. P. Sundar Kumar		
		Dr. K. Rajashekar Reddy		
		Mr. K. Syam Chamberlin		
		Mr. K. Hemanth Raja		
		Mr. Y. Himmath Kumar		
		Mr. D. Satish Chandra		
		Mr. N. JitendraBabu		
		Mr. A. Dheerendra Prasad		
		Mr. B. G, Rahul		
		Mr. B S Chandra Kumar		
		G. Arpan Paul Singh		
		Mr. T. Naga seshuBabu		
		Mr. T. Venkat Das		
		Mr. A. Lakshmi Deepak		
		Mr. K. Sreekanth		
		Ms. G. Pallavi		
		Dr. C. Ravi Kumar Reddy		
		Mr. V. Akhilesh		
		Mr. K. Deepak		
		Dr. K. Ramesh		
		Mr. I. Siva Kishore		
		Dr. A. V. S. Prasad		
		Ms. K. Pushpa Nandini		

		Mr. J. Pavan Kumar		
		Ch. MallikaChowdary		
		Mr. Sreekanth Reddy		
		J.D. Chaitanya Kumar		
		T. Reshma		
		Mr. Venkata Sarat		
		Ms. Sai Lakshmi		
		Mr. M. Lokesh		
		Ms. D. Sowjanya		
		Ms. K. Neeharika		
		Ms. K. Sai Kala		
		Mr. V .Raju		
2.	Optimization of concrete mix proportion	Dr. M. Anjaneya Prasad		
		Dr. Y. Sreeramulu		
		Dr. N. Sanjeev		
		Dr. S. Kanakambara Rao		
		Dr. A. Siva Shankar		
		Mr. P. Sundar Kumar		
		Dr. K. Rajashekar Reddy	26.12.15	K.L.University
		Mr. K. Syam Chamberlin		
		Mr. K. Hemanth Raja		
		Mr. Y. Himmath Kumar		
		Mr. D. Satish Chandra		
		Mr. N. JitendraBabu		

		Mr. A. Dheerendra Prasad		
		Mr. B. G, Rahul		
		Mr. B S Chandra Kumar		
		G. Arpan Paul Singh		
		Mr. T. Naga seshuBabu		
		Mr. T. Venkat Das		
		Mr. A. Lakshmi Deepak		
		Mr. K. Sreekanth		
		Ms. G. Pallavi		
		Dr. C. Ravi Kumar Reddy		
		Mr. V. Akhilesh		
		Mr. K. Deepak		
		Dr. K. Ramesh		
		Mr. I. Siva Kishore		
		Dr. A. V. S. Prasad		
		Ms. K. Pushpa Nandini		
		Mr. J. Pavan Kumar		
		Ch. MallikaChowdary		
		Mr. Sreekanth Reddy		
		J.D. Chaitanya Kumar		
		T. Reshma		
		Mr. Venkata Sarat		
		Ms. Sai Lakshmi		
		Mr. M. Lokesh		

		Ms. D. Sowjanya		
		Ms. K. Neeharika		
		Ms. K. Sai Kala		
		Mr. V .Raju		
		Mr. S. S. Bhanu Prakash		
		Mr. PraneethBabu		

## Faculty Publications

S.No.	Name of the Faculty	Title	Journal Name/ Conference Proceedings	Index
1.	M. Harish and J. D. Chaitanya Kumar	Analysis of Storey Drift for Multi Storey Building with Pre-Cast Load  Bearing Walls with and without Openings	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1
2.	M. Anil Kumar and C. Ravi Kumar Reddy	Seismic Analysis of Single Bay Plane Frame buildings Considering Soil Interaction	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1
3.	Sai Sowmith N, Ravi Kumar Reddy. C and V. Ranga Rao	Loss of Contact of Rectangular Plates on Elastic Foundation: Effect of  Eccentric Concentrated Load in Transverse Direction	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1

4.	N.V. Mohanakrishna and T. Venkat Das	Static Linear and Nonlinear Analysis of RC Building on Sloping Ground  using Isolated Bearings at Different Zones on Medium Soils	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230- 117-1
5.	Ramyasri. N and Ravi Kumar Reddy. C	Study on Soil Interaction Effects on Bridges	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230- 117-1
6.	N. Durga Prasad and Y. Himath Kumar	Studies on Mechanical Properties of Geo Polymer Concrete with GGBs  and Fly Ash	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230- 117-1
7.	Mastan Vali N and SS. Asadi	Use of Pet Bottle Waste as a Partial Replacement to Fine Aggregate in  Concrete	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230- 117-1
8.	P. Chamundeswari and K. Ramesh	Study on Behaviour of Flyash Based Geopolymer Concrete with 12  Molar NaOH Activator	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230- 117-1
9.	P. Malleswara Rao and B. Sarath Chandra Kumar	Study on Metakiolin and GGBs Based Geopolymer Concrete	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230- 117-1
10.	Shaik Mohammd Shahbuddin and K. Ramesh	Study on Behaviour of Flyash Based Geopolymer Concrete with 10	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230- 117-1

		Molar NaOH Activator		
11.	SK Gousia Tehaseen, J D Chaitanya Kumar and Y Sreeramulu	Seismic Behaviour of RC Structures with Varying Zones	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1
12.	T.V.V.S. Murali Manohar, N. Jitendra Babu and CH. Hanumantha Rao	Utilization of Bagasse Ash as Partial Replacement of Cement in High Strength Concrete	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1
13.	T. Gopi, P. Santha Rao and I. Siva Kishore <sup>3</sup>	Study on Partial Replacement of Cement with Bagasse Ash in Concrete	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1
14.	T. Narendra and S. kanakambara rao	Study on the Behaviour of Fly Ash Based Geo Polymer Concrete with 20 molar NAOH Activator	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1
15.	V. Keerthy and Y. Himath kumar	Studies on Properties of Geo Polymer Concrete with GGBs and Fly Ash	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1
16.	V.Sowjanya and K. Ramesh	Study on The Behaviour of Flyash Based Geopolymer Concrete with 8 Molar Naoh Activator	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1
17.	V. Rajendrakumar and T. Venkatdas	Sesmic Analysis of (G+10) Building Frame using	National Conference on Environment and Renewable Energy (NCEE)	ISBN: 978-93-5230-117-1

		Equalvent Static Method and Response Spectrum Method		
18.	V Ratna Priya and N Jitendra Babu	Effects of Rigid and Flexible Support on Seismic Response of Building  Frame under Various Zones	National Conference on Environment and Renewable Energy (NCEE	ISBN: 978-93-5230- 117-1
19.	V b Sai Kumar.Y and Ravi Kumar Reddy.C	Effect of Soil Plasticity Index on the Seismic Behaviour of Building  Frames	National Conference on Environment and Renewable Energy (NCEE	ISBN: 978-93-5230- 117-1
20.	Y. Naga Satyesh and C. Ravi Kumar Reddy	Ananalysis of Single Bay Frame Subjected to Seismic Forces with Soil  Structure Interaction	National Conference on Environment and Renewable Energy (NCEE	ISBN: 978-93-5230- 117-1