



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 October 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. V.Ranga 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	172
02	3	152
03	4	187
Total		511

STUDENTS STRENGTH M. Tech

S.NO	YEAR	NO. OF STUDENTS
01	M.Tech (SE) 1 st Year	43
02	M.Tech (CTM) 1 st Year	26
03	M.Tech (SE) 2 nd Year	35
04	M.Tech (CTM) 2 nd Year	17
Total		119

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. AVS Prasad	Professor & Pro VC	Ph.D
2	Dr. Ch. Hanumantha Rao	Professor & Dean Quality	Ph.D

3	Dr. V. Ranga Rao	Professor & HOD	Ph.D
4	Dr. K. Raja Sekhara Reddy	Asso.Prof	Ph.D
6	Dr. A. Siva Sankar	Asso.Prof & Asso.Dean Projects	Ph.D
7	Mr. P. Sundara Kumar	Asso.Prof	M.Tech
8	Mr. P. Polu Raju	Asso.Prof	M.Tech
9	Dr. N. Srujana	Asso.Prof	Ph.D
10	Mr. K. Shyam Chamberlin	Asso.Prof	M.Tech
11	Mrs. G. Lalitha	Asso.Prof	M.Tech
12	Mr. M. Suresh Babu	Asso.Prof	M.Tech
13	Dr. T. Reshma	Asst.Prof	Ph.D
14	Ms. K. Prasanthi	Asst.Prof	M.Tech
15	Mr. K. Hemantha Raja	Asst.Prof	M.Tech
16	Mr. Y. Himath Kumar	Asst.Prof	M.Tech
17	Mr. D. Satish Chandra	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. I. Siva Kishore	Asst.Prof	M.Tech
22	Mr. P. Venkata Sarat	Asst.Prof	M.Tech
23	Ms. K. Sai Kala	Asst.Prof	M.Tech

24	Ms. Afshan Sheikh	Asst.Prof	M.Tech
25	Mr. S. Shahabas	Asst.Prof	M.Tech
26	Mrs. V. Sree Lakshmi	Asst.Prof	M.Tech
27	Ms. Biswajita Mohanty	Asst.Prof	M.Tech
28	Ms. D. Nigitha	Asst.Prof	M.Tech
29	Mr. K. Mahindra	Asst.Prof	M.Tech
30	Mr. T. Mani Deep	Asst.Prof	M.Tech
31	Mr. K J Brahma Chari	Asst.Prof	M.Tech
32	Mr. C. Rajamallu	Asst.Prof	M.Tech

NEWLY JOINED FACULTY MEMBERS

S.No	Name of Faculty	Designation	Qualification
1	Ms. Biswajita Mohanty	Asst.Prof	M.Tech
2	Ms. D. Nigitha	Asst.Prof	M.Tech
3	Mr. K. Mahindra	Asst.Prof	M.Tech
4	Mr. T. Mani Deep	Asst.Prof	M.Tech
5	Mr. K J Brahma Chari	Asst.Prof	M.Tech
6	Mr. C. Rajamallu	Asst.Prof	M.Tech

NON TEACHING STAFF IN OUR DEPARTMENT

S.NO	NAME OF THE STAFF	DESIGNATION
1	Smt. T K . Durga Devi	Inst Mech
2	Sri. Y.Poornachandra Rao	Jr. Mech
3	Mr. Y. Krishna Kumar	Lab Tech
4	Mr.T.Balakrishna	Office Assistant
5	Mr. P. Ravi Kumar	Lab Tech
6	Mr. K. Venkateswara Rao	Lab Tech
7	Mr. K. Sai Kumar	Lab.Tech
8	Mr. B. Srinu	Lab Tech
9	Mr. P. Phani Bhaskar	Asst. Manager consultancy
10	Mr. K. Ashok	Asst. Draft Man
11	Mr. T. Raja	Lab Tech
12	Mr. N. Sudheer Kumar	Lab Tech
13	Mr. D. Suryanarayana	CAD ENGG
14	Mr. I. J. Narasimha Rao	Lab Tech

CONSULTANCY WORKS

Consultancy Tests Conducted In Our Department for Different Clients from the Period JULY 2016 to September 2016

JULY 2016			
S. No.	Date	Name of the Client	Tests
1	01-07-2016	Samruddi Construction Infra Tech Ltd	Cubes
2	01-07-2016	Y. Venkata Reddy	Cubes
3	04-07-2016	A.P. State Police Housing Corporation Ltd	Wetting
4	04-07-2016	Soma Enterprises	Soil
5	07-07-2016	Assistant Engineer, SPL, PRI Sub Division, Mag	Cubes & BT
6	07-07-2016	DEE, Guntur Channel Sub Division, Guntur	Material Testing
7	09-07-2016	Samruddi Construction Infra Tech Ltd	Cubes
8	09-07-2016	Srivarsha Infra structure, Vja	Cubes
9	12-07-2016	Samruddi Construction Infra Tech Ltd	Cubes
10	12-07-2016	Nirmala High School, Atmakur	Bricks
11	15-07-2016	AE, Drainage Section, Gudivada	Cubes
12	19-07-2016	G & J Infra, Kunchanapalli	Cubes
13	22-07-2016	Nirmala High School, Atmakur	Cubes
14	22-07-2016	DEE, Drainage Sub Division, Tenali	Cubes
15	22-07-2016	Pioneer Life spaces, Vja	Soil
16	22-07-2016	Siri Estates, Vja	Cubes

17	23-07-2016	SEE (P. Way), SC Railway, Guntur	Soil
18	23-07-2016	P. V. D. Prasad, Tadepalli	Cubes
19	27-07-2016	Siri Estates, Vja	Cubes
20	28-07-2016	SS Builders & Developers, Kaza	Cubes
21	29-07-2016	SEE (P. Way), SC Railway, Guntur	Soil
AUGUST 2016			
S. No.	Date	Name of the Client	Tests
22	08-01-2016	Samruddi Construction Infra Tech Ltd	Cubes
23	08-01-2016	M/s Bridge and roof co India, HPCL	Material Testing
24	08-01-2016	DEE, Drainage Sub Division, Tenali	Cubes
25	08-04-2016	Mr. T. Raja	Cube
26	08-04-2016	JMC Construction Pvt Ltd	WMM, BM
27	08-05-2016	Saahi Infra tech Pvt Ltd	Water
28	08-06-2016	SS Builders & Developers, Kaza	Cubes
29	08-06-2016	K. Srinivasa Raju, Contractor, Verepalli	Mix Design, Soil
30	08-06-2016	JMC Construction Pvt Ltd	WMM, BM
31	08-09-2016	JMC Construction Pvt Ltd	GSB
32	08-10-2016	M/s Bridge and roof co India, HPCL	Cubes, Bricks, 40mm, 20mm
33	08-10-2016	Samruddi Construction Infra Tech Ltd	Cubes
34	08-10-2016	G&J Infra, Kunchanapalli	Cubes
35	24/8/2016	Deputy Executive Engineer, DSO, Repalle	Cubes

36	24/8/2016	Deputy Executive Engineer, DSO, Repalle	Cubes
37	25/8/2016	Samruddi Construction Infra Tech Ltd	Cubes
38	25/8/2016	Samruddi Construction Infra Tech Ltd	Cubes
39	29/8/2016	GPNR Constructions, Kadapa	Ballast
40	31/8/2016	Nirmala High School, Atmakur, Mangalagiri	Cubes
SEPTEMBER 2016			
S. No.	Date	Name of the Client	Tests
41	09-01-2016	T. Rama Krishna	Ballast
42	09-02-2016	RKEC & Suryadevara JV	Ballast
43	09-02-2016	RKEC & Suryadevara JV	Ballast
44	09-06-2016	M/s MVV-BGP (JV), Vidhyanagar, Guntur	Ballast
45	09-06-2016	Phy Care Services India (P) Ltd, Auto Nagar	Cubes
46	09-07-2016	Prime Properties, VJA	Cubes
47	09-07-2016	M/s Sri Sri Vigneswara Constructions	Mix Design
48	09-12-2016	Siva Constructions, Tadepalli	Cubes
49	09-12-2016	G&J Infra, Kunchanapalli	Cubes
50	13/9/2016	Siva Constructions, Tadepalli	Cubes
51	17/9/2016	Phy Care Services India (P) Ltd, Auto Nagar	Cubes
52	17/9/2016	Ultra Tech Concrete, Vaddeswaram	Cubes
53	19/9/2016	Samruddi Construction Infra Tech Ltd	Cubes
54	19/9/2016	Samruddi Construction Infra Tech Ltd	Cubes

55	23/9/2016	Om Sri Balaji Constructions, Mangalagiri	Cubes
56	26/9/2016	Bridge and roof co India, Kondapalli	Cubes

STUDENT ACHIEVEMENTS

Participant	Event	Date	Venue
13002087, 13002204	Blood Donation Camp in Association with Govt Hospital, GNT	22/9/2016	

STUDENT PARTICIPATIONS BOTH UG & PG

S. No	Name/ Regd.No of the Students	UG/ PG	Event Attended
1	13002076	UG	CRIP
2	13002032		CRIP
3	13002037		Krishna Pushkaram Volunteers Meeting and Training
4	13002103		
5	13002079		
6	13002048		
7	13002039		
8	13002087		Blood Donation Camp in Association with Govt Hospital, GNT
9	13002204		
10	13002037		Krishna Pushkaram Volunteers Meeting and Training
11	13002103		
12	13002039		
13	13002079		
S.NO	ID NO	PARTICIPATION	PLACE
1	14002155, 14002105, 14002004, 14002019, 14002006, 14002055, 14003633, 14002092, 14002065, 14002146	"AARUUSH 16"	chennai
2	14002166	All india inter university races tournament	Karnataka

3	14002006	ROBOKART	BOMBAY
4	14002006, 14002050	AIESEC	GOA
5	14002157, 14002016, 14002085, 14002086, 14002089, 14002162	TECHNOZION 16	NIT WARANGAL
6	14002025, 14002165, 14002053, 14002036, 14002143, 14002046, 14002052, 14002015, 14002040	POLLUTED SITES- Characterization and Remediation	IIT BHUBANESWAR
7	14002084, 14002135, 14002156	NSS Volunteers Transforming Vijayawada Campain	Vijayawada
8	14002082, 14002115	NSS Volunteers Transforming Vijayawada Campain	Vijayawada
9	14002028, 14002103	Blood Donation Camp in Association with Eluru Red cross Society	KLU
10	14002036	Blood Donation Camp in Association with Eluru Red cross Society	KLU

S.NO	ID NO	PARTICIPATION	PALCE
1	150020148	3rd AP Junior Inter District Athletics Championships- 2016	Vijayawada
2	150020148	NATIONAL SPORTS DAY	KLU
3	150020148	all india inter university races tournament	Karnataka
4	150020047, 150020071, 150020040	Transforming Vijayawada Campaign-2016	Vijayawada
5	150020047	WAC 2016	IIT, Hyderabad
6	150020047	Eclectic 2016	SRM University, Chennai
7	150020145, 150020072	AP STATE BADMINTON CHAMIONSHIPS	PRODDATUR
8	150020145	SOUTH ZONE INTER UNIVERSITY BADMINTON TOURNAMENT	Chennai

9	150020145	AP STATE MEN AND WOMAN BADMINTION TOURNAMENT	PRODDATUR
10	150020015	U-19 krishna district matches	Nellore
11	150020009, 150020021, 150020034, 150020039, 150020040, 150020054, 150020060, 150020068, 150020070, 150020071, 150020072, 150020099, 150020101, 150020111, 150020114, 150020127, 150020129, 150020130, 150020132, 150020145, 150020146, 150020147, 150020154	NSS Volunteers Transforming Vijayawada Campain	Vijayawada
12	150020032, 150020089, 150020148, 150020158	NSS Volunteers Transforming Vijayawada Campain	Vijayawada
13	150020009, 150020067, 150020068, 150020073, 150020168	Blood Donation Camp in Association with Govt Hospital, GNT	KLU
14	150020009, 150020059, 150020079, 1500200159	Krishna Pushkaram Volunteers Meeting and Training	Vijayawada
15	150020009, 150020059, 150020079, 150020159, 150020093	Krishna Pushkaram Volunteers Meeting and Training	Vijayawada
16	150020073, 150020090	Blood Donation Camp in Association with Eluru Red cross Society	KLU
17	150020146	Blood Donation Camp in Association with Eluru Red cross Society	KLU

INDUSTRIAL VISIT

INDUSTRIAL VISIT FLY-OVER(UNDER CONSTRUCTION) IN VIJAYAWADA NEAR PRAKASAM BARRIAGE (VIJ-HYD HIGH WAY)

All the first year M. Tech. CTM and structural engineering students of Department of Civil Engineering have visited fly over which is under construction near Sri Durga temple in Vijayawada on the bank of Krishna river. With the help of one of the SOMA construction design engineer Mr. Krishna Kanth all the students observed and learned many aspects like foundation details ,reinforcement details, material they are using, equipment what they procured, new technique while constructing. first all the students visited the pre-cast plant of SOMA constructions

later they visited the site to visit the live construction process. Duration of project is 1YEAR. Name of the contractor: SOMA CONSTRUCTIONS. Technique used in construction: PRE CAST CONSTRUCTION AND FOR THE CARRIAGE WAY SPINE AND WING METHOD. Type of soil: BLACK COTTON SILTY SOIL. Type of foundation: PILE FOUNDATION. They adopted pre cast construction and using high quality of machines and materials.

Machines they procured are 5t crane-1no, 20t crane-2no pre-cast plant, 50t cranes-1no, 75t cranes-1no , 150t cranes-2no (erecting of pre cast girders) , 180t bore drilling equipment-2no on the site , 75t bore drilling equipment-5no. Total construction of fly over for carriage way is divides into 3 phases: 1)Foundation work, 2)Pre-cast slab work, 3)Bitumen road laying On the process of site visiting all the students first went to pre-cast plant. They all watch various parts of pre-cast process and saw various equipment like cranes, automatic bar bending machines, scaffolding work and curing techniques. Later they went to construction site and saw the process of erecting of precast girders, Piling work, reinforcement work and placing of baby wheels in reinforcement to maintain covering depth.



ERECTION OF PRE-CAST GUDDERS

INDUSTRIAL VISIT TO NEWLY CONSTRUCTED SECRETARIAT NEAR VELAGAPUDI, AMARAVATHI

All the M. Tech. First and second year students of Department of Civil Engineering have visited the newly constructed C.R.D. A buildings in Velagapudi. With the help of one of the C.R.D.A civil engineers named Mr. H. M. Reddy, all the students observed and learned many aspects like foundation details, fire safety and security systems, interiors and process of roofing, electrical fittings, centralized air condition systems and various parts of ministers cabins construction. Total number of blocks: 6. Name of the contractors:1) L&T CONSTRUCTIONS(4 BLOCKS), 2) SPCL(2 BLOCKS). Size of each block: 72Mx72m. Floor area of each block: 50,000Sft. Total number of floors constructed: G+1(2). Designed number of floors: G+9(10). . Span of each beam: 11m . Type of soil: BLACK COTTON SOIL.



M.H REDDY GARU EXPLAINING ABOUT SECRETARIAT CONSTRUCTION

GUEST LECTURES

GUEST LECTURE ON ETABS, SAFE, STRAP AND P6

Department of Civil Engineering has organized a Guest Lecture on 22 Sep 2016 on Cad Lab CE-DEPT at KL University. The Chief Guest on this occasion was Er.B.Suresh, director CISTSOTECH and Mr.N.Rahul Varma, Branch head and Sr.Structural Engineer CISTSOTECH, Hyderabad. The Welcome note was given by Dr. V.Ranga Rao professor in Civil Engineering Department, and introduced the chief Guests. Er.B.Suresh introduced the importance of software's in Civil Engineering industry. Mr.N.Rahul Varma is delivered the Importance of Lectures on ETABS, Safe and P6 in pre lunch session. Post lunch Mr.B.Suresh given the lecture on STRAP and explained the one live project.

The guest lecture was attended by students of M.Tech., Structural Engineering and Construction Technology and Management, accompanied by the B.Tech final year students.



A GUEST LECTURE ON GREEN BUILDINGS

A Guest Lecture was organized by the Department of Civil Engineering, K L University celebrating the Green Building Week (26th sept to 2nd October) and is inaugurated by the Chief Guest Mr. Sandeep Anathula, green building consultant from Ela Green Buildings & Infrastructure Pvt. Ltd, Hyderabad on 28th Sept 2016. Dr. Hanumantha Rao Chappidi, HOD, Dr. V. Ranga Rao, Professor, Dr. K. Raja Sekhara Reddy, Alt. HOD, Mr. B. Sarath Chandra Kumar, coordinator for green building week participated the event organized for all UG & PG students of the department. The Guest Lecture was more useful as it created awareness on the Green Buildings and also a doubt clearing session was conducted to clear all the doubts regarding the Process.



WORKSHOPS CONDUCTED

EVENTS

TEACHER'S DAY CELEBRATIONS

On the occasion of the Birthday of Sir Sarvepalli Radhakrishnan the Teacher's day was celebrated on 6th September, 2016 from 3:20p.m to 5:00p.m in C121. Jyothi Prajwalana was done by Dr.Ch.Hanumantha Rao, Dr.V.Ranga Rao, Dr. K.Rajasekhara Reddy, Mr.P.Sundara Kumar. All the faculty of Civil Engineering Department have wished the students for their bright future. The students were given the information about the various opportunities they have after completion of the degree. As a gratitude the students of the department have felicitated the faculty with a shawl, Gift and a flower plant.



INTERNATIONAL DAY OF PRESERVATION OF OZONE LAYER DEPLETION

International day of preservation of Ozone layer depletion was celebrated by CEA of Civil Engineering on 16th September 2016, at 4:00p.m to 5:00p.m in M207. On this an open surprise quiz was conducted to II/IV, III/IV B.Tech. Students by some of the students of IV/IV B.Tech. Students. The questions which were asked are based on the ozone layer and its depletion. Dr. V. Ranga Rao has given a seminar on the causes and effects of ozone layer depletion and also the measures to be taken for the preservation of the ozone layer. Finally, the students who have answered the maximum number of questions in the open surprise quiz were given the prizes.



Faculty Publications

S. no	Title of the Paper	Author Type Faculty /Student /Scholar	Dept	Journal / Conference	ISSN Num ber	V o l N o	Issue No	Date of Publ ishin g
1	Identification of Critical Erosion Prone Areas using Remote Sensing and GIS: a Case Study of Sarada River Basin	P.Sundara Kumar	CE	Indian Journal of Science and Technology	ISSN: 0974-5645	9	32	August 2016
2	Artificial Neural Network Model for Rainfall Runoff - A Case Study	P.Sundara Kumar	CE	International Journal of Hybrid Information Technology, Korea	ISSN: 1738-9968	9	3	August, 2016

Workshops/Seminars attended

S. No.	No. of Teachers attended	Seminar / Workshop / Conference / Short Term Course
1	2	4 Day Workshop and Global Education Summit
2	1	2 Day National Summit in Quality in Education

3	1	13 th ASQ Conference
4	5	REDECON – 2016
5	1	APHRDI Project management Workshop
6	2	3 Day Residential Program on Engineering Building with Nature