



# 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 June 2018 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. P. Polu Raju**  
**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 impart Soft Skills and Communication skills
- To provide continuous training to the Faculty
- Establishment of local professional body Chapters.
- To make the faculty and students involve actively in various construction and Infrastructure Projects
- To encourage faculty of the department to attend Academic Conferences, Seminars, Summer & Winter Schools, and other training programs

## **LONG TERM GOALS**

- To increase the number of sponsored research projects.
- To arrange industry-institute interactive sessions
- To establish the center of excellence:
  - Sustainable Building Materials
  - Geo-synthetics
  - Sustainable Irrigation Systems and Structures
  - Geo-Environmental Engineering
- Upgrade the laboratories
- To increase consultancy to appreciable levels

## 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.

### a) ACADMICS AND ACHIVEMENTS :

- **Civil department is happy to announce that Dr. P. Polu Raju had been appointed as Head of the Department for his dedicated services rendered to the department.**
- 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
- 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

## **b) RESEARCH ACTIVITIES**

### **Research Publications**

- 1." Optimization of Urban Public Transportation System in Vijayawada - A Case Study" International Journal of Engineering & Technology Volume 7 , Issue 2.7, April 2018, PP. 63-68, Hemantharaja Kommineni.
- 2." A Study on Volume, Speed and Lane Distribution of Mixed Traffic Flow by Using Video Graphic Technique" International Journal of Engineering & Technology Volume 7, Issue 2.1, April 2018,PP. 59-62, Hemantharaja Kommineni.
- 3." AN ANALYTICAL APPROACH FOR ASSESSING THE CONSTRUCTION AND DEMOLITION WASTE IN CONSTRUCTION INDUSTRY BY USING STANDARD PRACTICES" International Journal of Civil Engineering and Technology (IJCIET), Volume 9, Issue 3, April 2018, PP. 475-488, Y. Sreekanth Reddy, K. Mahindra , S.S. Asadi
- 4." Evaluation of reducing waste materials in construction projects using ranking analysis" International Journal of Civil Engineering and Technology, Volume 9, Issue 3, April 2018, PP. 831-838, Sayed, B., Asadi, S.S., Venkatesh, K.
- 5." Experimental Study on High Strength Concrete by Partial Replacement of Fine Aggregate by Ceramic Tile waste" International Journal of Engineering & Technology, Volume 7, Issue 2.12, May 2018, PP.443-445, S. Dhanasekar, S. Vinothraj, P.T. Ravichandran , A. Aravindan
- 6." AN ANALYTICAL APPROACH FOR IDENTIFICATION OF UNCERTAINTIES AND PRIORITIZING THE FACTORS CAUSING UNCERTAINTIES IN CONSTRUCTION INDUSTRY USING RELATIVE IMPORTANCE INDEX (RII)" International Journal of Civil Engineering and Technology (IJCIET), Volume 9, Issue 5, May 2018, PP.771-783, T. Ganesh Anurag, D. Satish Chandra, S.S. Asadi
- 7." A STATISTICAL APPROACH FOR RANKING OF FACTORS IMPACTING THE TIMELINE OF RESIDENTIAL CONSTRUCTION PROJECTS USING IMPORTANCE INDEX METHOD (IMPI)" International Journal of Civil Engineering and Technology (IJCIET), Volume 9, Issue 5, May 2018, PP.1073-1081, A. R. S. Sri Susmitha, K. Hemantharaja, S.S. Asadi
- 8." COMPARATIVE STUDY ON VARIATION OF PHYSIO-CHEMICAL PARAMETERS OF EFFLUENTS FROM VARIOUS INDUSTRIAL AND RESIDENTIAL ZONES" International Journal of Civil Engineering and Technology (IJCIET), Volume 9, Issue 5, May 2018, PP. 1010-1015, N. Sree Navya, S.S. Asadi

9." EFFECT OF FLY ASH AND RICE HUSK ASH ON MODULUS OF ELASTICITY OF CONCRETE" International Journal of Civil Engineering and Technology (IJCIET), Volume 9, Issue 5, May 2018,PP. 700-704, T. Sricharan and I. Siva Sai Pavan Kumar, P. Poluraju

10." WASTE PLASTIC UTILIZATION IN BUTUMINOUS MIX FOR REPLACEMENT OF BINDER - A MODEL STUDY" International Journal of Civil Engineering and Technology (IJCIET), Volume 9, Issue 5, May 2018,PP. 475-486, E.Rohit Sai and K.Venkata Ratnavali, D.Satish Chandra, SS.Asadi

11." EVALUTION OF TERRAIN CHARACTERISTICS FOR SUSTAINABLE UTILIZATION OF RESOURCE IN URBAN ENVIRONMENT: A MODEL STUDY FROM HYDERABAD" International Journal of Civil Engineering and Technology (IJCIET),Volume 9, Issue 5, May 2018, PP.94-102, Sunil, SS. Asadi, Reddy SRK

## CONSULTANCY WORKS

Consultancy Tests Conducted In Our Department for Different Clients from the Period April 2018 to June 2018

S. No.	Date	Name of the Client	Tests
1	04-04-2018	SAMRUDHI NEXA,PHATUR	Testing on Concrete cubes
2	04-04-2018	SAMRUDHI NEXA,PHATUR	Testing on Concrete cubes
3	04-04-2018	SIRI BUILDERS & DEVELOPERS	Testing on Concrete cubes
4	04-04-2018	VSS CONSTRUCTIONS	Testing on Steel
5	04-06-2018	SRI DURGA FLY ASH BRICK INDUSTRY	Testing on Fly Ash Bricks
6	04-06-2018	SRI ADINARAYANA FLY ASH BRICK INDUSTRY,MANGALAGIRI	Testing on Fly Ash Bricks
7	04-06-2018	SRI VENKATA TRIVENI FLY ASH BRICK INDUSTRY,YARRABALEM	Testing on Fly Ash Bricks
8	04-06-2018	M/S KUMAR FLY ASH BRICKS,MANGALAGIRI	Testing on Fly Ash Bricks
9	04-06-2018	M/S KUMAR FLY ASH BRICKS & TRADERS,ATMAKUR	Testing on Fly Ash Bricks
10	04-06-2018	SRINIVASA EDIFICE Pvt.Ltd.	Testing on Bllast
11	04-09-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Fne Aggregate (Sand)
12	04-09-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Fne Aggregate (Sand)
13	04-09-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Fne Aggregate (Sand)

14	04-09-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Fne Aggregate (Sand)
15	04-09-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Fne Aggregate (Sand)
16	04-09-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Fne Aggregate (Sand)
17	04-09-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Cement
18	04-09-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Cement
19	04-10-2018	S.VENKATESWARA RAO ,TENALI	Testing on Steel and M30 Concrete Design Mix
20	04-11-2018	R.YADUKONDALU,HPCL	Testing on Concrete cubes
21	04-12-2018	EXECUTIVE ENGINEER,CWC,VISHAKAPATNAM	Testing on Fne Aggregate (Sand)
22	13/04/2018	CONCRETE & LIMELIGHT INFRA PROJECTS.LLP,TADEPALLI	Testing on Fne Aggregate (Sand),Cement,Red Bricks and Steel
23	14/04/2018	RAMA DEVI CONSTRUCTIONS Pvt.Ltd.	Concrete design Mix M25 (2 Samples)
24	14/04/2018	BERM PARK,APDTC,VIJAYAWADA	Testing on Concrete cubes
25	19/04/2018	S R HOMES ,MANGALAGIRI	Testing on Steel
26	19/04/2018	S R HOMES ,MANGALAGIRI	Testing on Steel
27	19/04/2018	VNS READY MIX ,KOLANUKONDA	Testing on Concrete cubes
28	21/04/2018	BONDADA ENG Pvt.Ltd.HYDERABAD	Testing on Concrete cubes
29	23/04/2018	M.SATHISH REDDY	Testing on Soil (S.B.C)
30	23/04/2018	K,NARASIMHA RAO	Testing on Soil (S.B.C)
31	24/04/2018	MODULO CERAMIC Pvt.Ltd.	Site Investigation Work at mylavaram
32	25/04/2018	R DEEPTI,TADEPALLI	Testing on Concrete cubes
33	26/04/2018	M.SATHISH REDDY	Site Investigation Work at Nulakapeta
34	26/04/2018	SQUARE INFRA,TADEPALLI	Structural Vetting (Drawings)
35			
36	26/04/2018	CONCRETE & LIMELIGHT INFRA PROJECTS.LLP,TADEPALLI	Testing on steel and Red Bricks
37	28/04/2018	CONCRETE & LIMELIGHT INFRA PROJECTS.LLP,TADEPALLI	Testing On North,East and South Concrete Shear Wall Using NDT
38	26/4/2018	MATA AMRITA NANDAMAYI	Testing on Soil (MDD,OMC)
39	05-01-2018	LAASYA BUILDERS.KAZA	Testing on Concrete cubes
40	05-03-2018	LAASYA BUILDERS.KAZA	Testing on Concrete cubes
41	05-04-2018	BHAVANAM INFRA	Testing on Concrete cubes

42	05-05-2018	BONDADA ENG Pvt.Ltd.HYDERABAD	Testing on Concrete cubes
43	05-05-2018	LAXMI DURGA BORE WELL WORKS	Testing on Soil (SPT)
44	05-05-2018	LAXMI DURGA BORE WELL WORKS	Testing on Soil (SPT)
45	05-07-2018	PRAJASHAKTHI SAHITHI SAMSTA	Testing on Concrete cubes
46	05-10-2018	DEC INFRA PROJECTSINDIA PVT LTD.MANGALAGIRI	Testing on Materials like MS Sections
47	05-10-2018	VENU CONTRACTOR	Concrete design Mix M20
48	05-10-2018	BONDADA ENG Pvt.Ltd.HYDERABAD	Testing on Concrete cubes
49	05-10-2018	BERM PARK,APDTC,VIJAYAWADA	Testing on Concrete cubes
50	05-10-2018	HPCL,KONDAPALLI	Testing on Concrete cubes
51	05-11-2018	R.DEEPTHI	Testing on Concrete cubes
52	05-11-2018	DEE,VENUKONDA	Testing on Soil (SBC)
53	05-12-2018	BERM PARK,APDTC,VIJAYAWADA	Testing on Concrete cubes
54	05-12-2018	LAASYA BUILDERS.KAZA	Testing on Concrete cubes
55	22/05/2018	R.DEEPTHI	Testing on Concrete cubes
56	24/05/2018	M.NAGESWARA RAO	Testing on Soil (SPT)
57	26/05/2018	ELEGANT PROJECTS	Testing on Concrete cubes
58	28/05/2018	LAXMI DURGA BORE WELL WORKS	Testing on Soil (SPT)
59	28/05/2018	LAXMI DURGA BORE WELL WORKS	Testing on Soil (SPT)
60	28/05/2018	LAXMI DURGA BORE WELL WORKS	Testing on Soil (SPT)
61	29/05/2018	SRINIVASA EDIFICE	Testing on Soil (Clasification)
62	29/05/2018	C S PRAKASH,PATHUR	Testing on Concrete cubes
63	29/05/2018	SREE KANAKA DURGA STONE CRUSHER	Testing on GSB,WMM,WBM
64	29/05/2018	HCL,GANNAVARAM	Testing on Concrete Core samples and cement blocks
65	31/5/2018	CONCRETE AND LIMELIGHT LLP,Tadepalli	Testing on Bricks,Sand,Water
66			
67	31/5/2018	SIRI BUILDERS,VIJAYAWADA	Testing on Concrete cubes
68	06-08-2018	SANDHYA SOIL ENG WORKS	Testing on Soil (SPT)
69	20/6/2018	SANDHYA SOIL ENG WORKS	Testing on Soil (SPT)
70	20/6/2018	PRAJASHAKTHI SAHITHI SAMSTA	Testing on Concrete cubes
71	20/6/2018	SAMRUDHI NEXA	Testing on Concrete cubes
72	20/6/2018	R.DEEPTHI	Testing on Concrete cubes
73	23/6/2018	SANDHYA SOIL ENG WORKS	Testing on Soil (SPT)
74	28/6/2018	PRAJASHAKTHI SAHITHI SAMSTA	Testing on Concrete cubes
75	28/6/2018	DEE,GUNTUR	Testing on Soil (SPT),SBC
76	07-02-2018	V S ENG.HYDERABAD	Concrete Design Mix and steel
77	07-03-2018	R YEDUKONDALU	Testing on Concrete cubes



78	07-03-2018	R.DEEPTHI	Testing on Concrete cubes
79	07-03-2018	PRAJASHAKTHI SAHITHI SAMSTA	Testing on Concrete cubes

**Department Activities:**

**1.0. Smart Villages Adoption Campaign – SABJAPADU VILLAGE**

On 21<sup>st</sup> of May 2018 the faculty and student team of **SABJAPADU** village, Mylavaram Mandal and divided into teams, visited the main streets and interacted with some of the people. They have identified some of the major problems faced by villagers as follows 1) water tank and drinking water problem 2) drainage 3) roads 4) toilets and sorted out problems by discussing various Government Schemes and their utilisations.



water storage pit near the water tank



## 2.0. Smart Villages Adoption Campaign – KANIMERLA VILLAGE



Team Kanimerla



Our Journey into Poratnagar begins

Surveying the people of Kanimerla and trying to understand a few of the day to day problems that they are facing

