



Line in Line with Ancestors

CIVIL ENGINEERING DEPARTMENT NEWS LETTER

2016-17 | JAN-JUNE 2016 |



HOD s Message:



This newsletter published for the year 2016-17 is dedicated entirely to the subject of structures. Especially buildings. In the prior edition historical prominent buildings were discussed. Current edition is entirely dedicated to the amazing buildings constructed.



DEPARTMENT MISSION

"An integrated development of Civil Engineering Professionals with technological knowledge and managerial skills; possessing environmental, ethical and human values".



DEPARTMENT VISION

"To enrich the society through Civil Engineering education for socio-economic development and welfare of the people."

PROGRAM EDUCATIONAL OBJECTIVES

- I. To provide basic scientific training to the students so as to solve Civil Engineering problems with scientific outlook rather than mere continuation of traditional practices.
- II. To provide training in basic engineering sciences so that students apply the concepts of basic engineering sciences to the solution of Civil Engineering problems.
- III. To train the students in the broad areas of Civil Engineering and inter-disciplinary areas.
- IV. To mould the students professionally competent with managerial and communication skills.
- V. To train the students to mitigate natural /environmental disasters and to inculcate professional ethics and human values.

PROGRAM OUTCOMES

- Graduates will have an ability to apply the knowledge of basic sciences like Physics, Mathematics and Chemistry for the solution of Civil Engineering Problems.
- Graduates will have sound knowledge in basic engineering sciences like Engineering Mechanics, Solid Mechanics, and Fluid Mechanics to solve Civil Engineering problems.
- Graduates will have generalized knowledge in Civil Engineering and inter-disciplinary knowledge to design and execute Civil Engineering Projects.
- Graduates will have an ability to design and conduct experiments as well as to analyse and interpret data.
- Graduates will have an ability to demonstrate knowledge and understanding of engineering and management principles and apply these principles in their profession.
- Graduates will have an ability to identify, formulate and solve engineering problems.
- Graduates will have requisite knowledge to pursue Post-graduate / Research Programmes and for life-long learning.
- Graduates will have computational and drafting skills.
- Graduates will be professionally competent with managerial and communication skills.
- Graduates mitigate environmental problems and natural disasters like earthquakes, cyclones and floods.
- Graduates perform professional duties with environmental, ethical and human values.
- Graduates will have broad education necessary to understand the impact of Civil Engineering solutions in global societal context.

*LET US RUN IN
MILES TO HAVE A
LOOK AT
WONDERS BY
THE ANCESTORS*

!!!!!!!!!!!!!!!

THE DOME OF ROCK

- The dome of the rock golden-color dome and Turkish faience tiles dominates the cityscape of old Jerusalem and in the 7th century served as a testament to the power of the new faith of Islam.
- The dome of the rock is one of the earliest surviving buildings from the Islamic world.



The Cologne Cathedral

- The Cologne Cathedral is renowned as a masterpiece of Gothic architecture and is also home to numerous works of art and the tombs of 12 archbishops.
- The Cologne Cathedral is Germany's most visited landmark and attracts thousands of visitors yearly.
- It is a High Gothic five-aisled basilica whose construction was started in the year 1248 only to get be stopped midway in 1473.



Leaning Tower of Pisa

- *The Leaning Tower of Pisa is a building in Pisa, Italy.*
- *It is a bell tower.*
- *It is famous because it is not vertical.*
- *In 1990 the tower was leaning at 5.5 degrees and increasing.*
- *After that, much restoration work has been done to stop it from falling over completely.*



The Shard, London

- *The Shard, London Sitting at the heart of London, the Shard is an 87-storey skyscraper popularly referred to as the Shard of Glass.*
- *The construction of this iconic London skyscraper began in 2009 and was completed three years later in 2012.*
- *The building was designed by the architect Renzo Piano and is the tallest building in Western Europe.*



National Seminar and Workshops:

A one day National Seminar on 'Recent Advances in Pavements for Infrastructure Development (RAPID)' was organized by the department on 19 March 2016. Resource Persons, Prof. G.L.Sivakumar Babu, I.I.Sc., Bangalore, Er.D.V.Bhavanna Rao, Project Manager, TPQA, NCRMP, Egis-India Consulting engineers Pvt Ltd., Chief Engineer R&B retired, Dr.S.Sireesh, Associate Professor, IIT-Hyderabad, Dr.V.Ramachandra, Vice President (Tech) - South, UltraTech Cement Ltd., Bangalore, Prof.A.Veeraraghavan IITM, Chennai has enlightened the participants about recent developments in road infrastructure, Construction and performance monitoring of geo-synthetic reinforced flexible pavements, Structural Evaluation of Pavements using Falling Weight Deflectometer (FWD), Ground Penetration Radar applications in Pavement Performance and White topping.

Nearly, 100 students and 40 faculty members from various Engineering colleges across the State got benefited from this seminar.

A one day National level Techno Fest 'Civil Carnival' was conducted by Department of Civil Engineering for undergraduate students on 11 February 2016.

Guest Lecture Delivered by Faculty:

Professor M.Rama Rao delivered a guest lecture on 'Mind Map' on 16 February 2016 at MVR Engineering College, Paritala,

Research Papers Published in Refereed Journals:

A research paper on 'A study on Compressive Strength Properties and Effects of Copper Slag as Partial Replacement of fine aggregate in concrete' written by HoD Dr.K.Srinivasu, Assistant Professor, J.Usha kranti, was published in ELK Asia Pacific Journals -Special Issue,pp:4-9, ISBN: 978-81-930411-5-4.

·A research paper on 'A study on Matlab Programm for the Analysis of continuous beams by Moment Distribution Method' written by HoD Dr.K.Srinivasu, Associate Professor R.Surendra Babu, Assistant Professor, J.Usha kranti, was published in ELK Asia Pacific Journals -Special Issue,pp:16-21, ISBN: 978-81-930411-5-4.

Paper Presentations in Conferences /Seminars/published in proceedings:

Professor, A.Srinivasa Prasad, Assistant Professor, M.Leela Krishna, presented a paper on 'Optimal Steady-State Reservoir Operating Policy by Stochastic Dynamic Programming' at a two day national Conference on Water, Environment and Society (NCWES-2016) organized by Centre for Water Resources, Institute of Science and Technology JNTU, Hyderabad during 6-8 June 2016, and the same was published with pp:26-34,ISSN-978-98-5230-124-9.

Professor, A.Srinivasa Prasad, Assistant Professor, M.Leela Krishna, N.V.Uma Mahesh presented a paper on 'Optimal Reservoir Operating Policies using Genetic Algorithm' at a two day national Conference on Water, Environment and Society (NCWES-2016) organized by Centre for Water Resources, Institute of Science and Technology JNTU,

Hyderabad during 6-8 June 2016, and the same was published with pp:18-26, ISSN-978-98-5230-124-9.

· Professor, A.Srinivasa Prasad, Assistant Professor, M.Leela Krishna, presented a paper on 'Integrated Reservoir Operation and Scheduling' at a two day national Conference on Water, Environment and Society (NCWES-2016) organized by Centre for Water Resources, Institute of Science and Technology JNTU, Hyderabad during 6-8 June 2016, and the same was published with pp:288-295, ISSN-978-98-5230-124-9.

Associate Professor, P.S.S.Maruthi Krishna, Assistant Professor, M.Srikanth Kumar presented a paper on 'Kinetics And Equilibrium Studies for the Removal of Heavy Metals In Both Single And Binary Systems Using Hydroxyapatite' at a two day national Conference on Water, Environment and Society (NCWES-2016) organized by Centre for Water Resources, Institute of Science and Technology JNTU, Hyderabad during 6-8 June 2016, and the same was published with pp:348-356, ISSN-978-98-5230-124-9.

· Professor, M.Ramarao, Assistant Professor, P.Samatha Chowdary, published a paper on 'Influence of Curing Period on Cement-Stabilized Expansive Soil using Rice Husk Ash and Stone Dust as Additives.' at a two day International Conference on Advances In Civil Engineering and Sustainable Construction organized by SRM University, Chennai during March 30 - 1 April 2016 with pp.834-840, ISSN 978-2-35158-161-2.

HoD Dr.K.Srinivasu, Assistant Professor, J.Usha kranti, presented a paper on 'Experimental studies on mechanical properties of concrete with copper slag as partial replacement of fine aggregate' at a two day International Conference on

Advances In Civil Engineering and Sustainable Construction organized by SRM University, Chennai during March 30 - 1 April 2016 and the same was published with pp.174-184 ,ISSN 978-2-35158-161-2 .

HoD Dr.K.Srinivasu, Assistant Professor, J.Usha kranti, presented a paper on 'A study on Compressive Strength Properties and Effects of Copper Slag as Partial Replacement of fine aggregate in concrete 'at a two day International Conference on Smart Cities organized by Department of Civil Engineering, V.R.Siddhardtha Engineering College, Vijayawada during 25-26 February 2016 and the same was published with pp.34-37, ISBN: 978-81-930411-7-8.

HoD Dr.K.Srinivasu, Associate Professor R.Surendra Babu Assistant Professor, J.Usha kranti, presented a paper on 'A study on Matlab Programm for the Analysis of continuous beams by Moment Distribution Method' at a two day International Conference on Smart Cities organized by Department of Civil Engineering, V.R.Siddhardtha Engineering College, Vijayawada during 25-26 February 2016 and the same was published with pp.93-98, ISBN: 978-81-930411-7-8.

Conferences/ Symposia/Workshops Attended

Assistant Professors, Syed Syeed Ahmmed, K.Anjeneyulu, G.Venkata Krishna, V.Phani Sankar attended short term course on 'Design and Construction of Steel Structures' organized by National Institute of Technical Teachers Training & Research, NITTTR, Chandigarh, during 23-27 May 2016.

Assistant Professors N.Tejaswini, Y.Madhavi, R.Vaishnavakumar, B.Krishna Chaitanya attended two week FDP programme on 'Computer Oriented Applications in Civil Engineering' organized by VNR Vignana Jyothi Institute of Engineering And Technology, Hyderabad, during 16-28 May 2016.

Assistant Professors M.Srikanth Kumar, P.SriLakshmi, R.Vaishnava Kumar, R.Satyasaideep, K.Ramesh babu attended one week short term course on 'Green and Energy Efficient Buildings' organized by National Institute of Technical Teachers Training & Research, NITTTR, Chandigarh, through ICT at P.V.P.Siddhartha Institute Of Technology Kanuru, Vijayawada.

Professor M.Rama Rao attended a one day National Workshop on 'Deep Foundation Technologies for Infrastructure Development' at ANU College of Engineering, Nagarjuna Nagar, organized by Deep Foundation Institute of India and IGS Guntur Chapter on 12 March 2016.

Assistant professor J.Usha Kranti attended a two day Workshop on 'Emerging Trends in Structural Engineering' organized by KL University, Guntur, during 11-12 March 2016.

Professor and HoD .K.Srnivasu, Professor M.Rama Rao, Associate Professor P.V.S.Maruthi Krishna, Assistant Professors M.L.N.Krishna, S.V.SatyaNarayana attended a two day National Seminar on 'Precast Structures' at Chalapathi institute of Engineering and Technology (CIET), Lam organized by CIET and IGS-Guntur chapter, during 20-21 February 2016.

Assistant Professors B.Harish, Syed Syeed Ahmmed, B.Krishna Chaitanya, N.Tejaswini, V.Phanisankar attended three day Workshop on 'Primavera' organised by Chalapatthi Institute of Technology (CIET), during 10-12 February 2016.

Assistant professors J.Usha Kranti, P.Srilakshmi, attended a National Seminar on 'Conjunctive use of Surface Water in Major and Medium Irrigation Projects' organized by Department of Civil Engineering V.R Siddhardtha Engineering College, Vijayawada and Water Resources Department of Andhra Pradesh, during 11-12 February 2016.

Student Industrial Tours and Short Visits

Second and third year Civil Students visited Pattiseema, Polavaram, Dhawaleswaram barrage and had an insight of different precast structures, gantry girders and bridge deck construction works during 5-6 February 2016.

Third year students Civil Engineering have visited Kanakadurga Flyover and observed the construction work of bored concrete pile, advancement of bore hole using auger, inserting reinforcement into bore hole and concreting of the bored pile for soil exploration on 19 January 2016.

Any other relevant information

K.Leela Krishna have become a Life member with ID No: LM-8386 in 'Indian Water Works Association'

Dr.K.Srinivasu

HoD, Civil

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EDITOR:DR.K.SRINIVASU

CO-EDITOR:Mrs. P.Samatha Chowdary

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