



# TRAVEL ALONG TIME MACHINE ROAD

**CIVIL ENGINEERING DEPARTMENT**

**NEWS LETTER**

**2017-18**

**|JAN- JUNE2017 |**

## **HOD's Message:**



This newsletter published for the year 2017-18 is dedicated entirely to the subject of roads. Especially machine roads. In the prior edition historical prominent highways were discussed. Current edition is entirely dedicated to the amazing machine roads constructed though dangerous areas that gives an immense pleasure of time machine while we travel.

## DEPARTMENT VISION

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

## DEPARTMENT MISSION

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

## Program Educational Objectives

Upon graduation, students of the program will:

- 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

## 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, 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.

*Shall We Start  
Switch On Time  
Machine*

**!!!!!!!**





### *Appian Way*

- *Appian Way is one of the earliest and strategically most important Roman roads of the ancient republic.*
- *It connected Rome to Brindisi, in southeast Italy.*
- *Its importance is indicated by its common name, recorded by Statius in "Silvae" as "reginaviarum" the Appian Way the queen of the long roads"*

### *Reconstructed Ancient cliff*

- *The Shudao, or the Road to Shu, is a system of mountain roads linking the Chinese province of Shaanxi with Sichuan (Shu), built and maintained since the 4th century BC.*
- *Technical highlights were the gallery roads, consisting of wooden planks erected on wooden or stone beams slotted into holes cut into the sides of cliffs.*



*Department of Civil Engineering important stations in Time machine journey.*

*Dr.M.RamaRao, Professor became LIFE FELLOW of Indian Geotechnical society (LF-0547) with effect from the year 2017*

### *National level Technical Fest*

*A three day National level Technical Fest - Civil Carnival was conducted during 17-19 February, 2017. Nearly, 120 students from various Engineering Colleges across the state attended this and got benefited from it.*



## *Guest Lectures Organized*

- *Mr..K.SrinivasaRao, S.E, QC & QA Circle, Nuzvid, delivered a lecture on 'An insight to Polavaram Project and Velugondu Tunnel' on 19 Feb., 2017. In his lecture, he enlightened students about various technical issues that were considered in the design of Polavaram project.*
- *Scientist .G.Prabhakar, Nuclear Power Corporation of India, Mumbai, delivered lecture on 'Design forces and beyond Design Basis and Design beyond Basis events and overview and career opportunities with Department of Atomic Energy (DAE)' on 17 Feb., 2017. In his lecture, he enlightened the students of Civil Engineering about various career opportunities with Department of Atomic Energy (DAE).*
- *Dr.B.V.Mudgal , Professor, Center for Water Resource, Anna University ,Chennai delivered lecture to all second and third year B.Tech students on 'Fundamentals of Fluid Mechanics and their Applications' on 23 February, 2017. In his guest lecture, he enlightened the students about various basic concepts of Fluid Mechanics and Applications of Flow Theories in various disciplines.*
- *Dr.ChandrasekharPutchu, Professor, Department of Civil and Environmental Engineering, California State University, Fullerton, delivered lecture to all the second and third year B.Tech students on 'Applications of Reliability and Risk Analysis in various Disciplines' on 14 June, 2017. In his guest lecture, he enlightened students about how risk can be mitigated and reduced in various fields by performing Reliability Analysis.*
- *Dr.RanbirSinha, Rocket Scientist, Switzer land, delivered lecture to third year B.Tech students on 'Effective Communication Skills for Engineers, Scientist and Educators' on 23 June, 2017. In his guest lecture, he enlightened the*



*students about the immense importance of attitude, and communication skills.*

## *Faculty External achievements in Time Machine journey*

### *Guest Lectures Delivered*

- *Prof. K.S.Sairam delivered a guest lecture on 'Finite Element Method' organized by Kallam Haranadha Reddy Institute of Technology, Guntur on 16 February, 2017.*
- *Professor M.RamaRao, delivered guest lectures at various institutions. Details are given below:*
  - *Lecture on 'Mind Map' organized by Chalapathi Institute of Engineering & Technology, Lam on 11 March, 2017.*
  - *Lecture on 'Multiple Intelligences' for the benefit of Civil Engineering staff of Andhra Loyola Institute of Engineering Technology, on 09 June, 2017.*
- *Dr.K.Srinivasu, delivered guest lecture on 'Finite Element Analysis using Isoperimetric approach' organized by Gudlavalleru College of Engineering, on 21 June, 2017.*

### *Research Paper Publications*

- *Dr.k.SSairam, 'Stability of web and flange tapered steel cantilever thin-walled beams and beam-columns' i-Managers Journal of Structural Engineering, Vol.6, No.2, PP: 20-24, June-August 2017*

### *Paper Presentations in Conferences*

- N,V. Sairam Kumar, K.S. Sairam 'Experimental study on properties of concrete containing crushed rock dust as a partial replacement of cement' at International Conference on Emerging Trends in Materials and Manufacturing Engineering, organized by Department of Metallurgical and Materials Engineering, National Institute of Technology, Tiruchirappalli, (NIT, Trichy) in association with Indian Institute of Metals, Trichy Chapter and Indian Welding Society, during 10-12 March, 2017.

### *Faculty footsteps in learn to reach oldest roads*

#### *Conferences/ Workshops/Short term Courses Attended*

- Prof. A.Srinivasa Prasad, Associate Professor P.V.S. Maruthi Krishna attended National Seminar on 'Ethics and Human Values in Engineering', organized by RVR & JC College of Engineering, during 05-06 January, 2017.
- Associate Professor P.V.S. Maruthi Krishna & Assistant Professor M. Srikanth Kumar attended National Workshop on 'Waste Management Technologies for urban areas', organized by NIT Warangal during 23-25, January, 2017.
- Prof.M.RamaRao attended a one day National Seminar on 'Geotechnical Investigation' organized by Vignan University in association with IGS-Guntur Chapter on 18 February, 2017.

- Prof.M.RamaRao attended International Conference on 'Numerical Modeling in Geomechanics' organized by IIT Roorkee in association with IGS-Roorkee Chapter during 3 - 4 March, 2017.
- Professor A.Srinivasa Prasad, Assistant Professors M. Srikanth Kumar, K.Leela Krishna, U.Pallavi, attended one day National Workshop on 'Awareness on Green Initiatives for Sustainable Green Campus' organized by Department of Civil Engineering, P.V.P Siddhartha Institute of Technology on 15 March, 2017.
- Dr.K.Srinivasu attended orientation Workshop on 'Use of ICT in Education for Online and Blended Learning' organized by IIT Bombay on 25-26 March, 2017.
- Prof. A.Srinivasa Prasad, Asst.Prof. K.Leela Krishna attended training cum workshop on 'Irrigation Modernization' organized by Water resources department, government of Andhra Pradesh at Vijayawada, during 27-31 March, 2017.
- Prof.M.RamaRao, Assistant Professors G.Harish, Syed SyedAhammed, R.Vaishnav Kumar, B.KrishnaChaitanya, U. Pallavi, G.Sanjya attended one week course ICT based Short Term Course (STC) on 'Multimedia Tools and utilities' organized by remote centre of IIT Bombay of RVR & JC College of Engineering in association with the Department of Computer Science and Engineering, during 27-31 March, 2017 .
- Assistant Professors, Syed SyedAhammed, M.G.Harish, V.Phanisankar, B.KrishnaChaitanya attended Faculty Improvement Program on 'Robot Structural Analysis' organized by APSSDC in association with Department Civil Engineering QIS College, College of Engineering and technology, Ongole during 17-22 April, 2017.

- Assistant Professors U.Pallavi, K.SushmithaChowdary, N.Tejaswini, Y.Madhavi, G.Sanijya attended FDP on 'C Programming' organized by R.V.R & J.C college of Engineering during 18-24 April, 2017.
- Assistant Professors G.Sanijya, M.Srikanth Kumar, K.Leela Krishna attended FDP on 'Latex' organized by R.V.R & J.C college of Engineering during 12-14 June, 2017.
- Professor M.RamaRao attended a one day National Seminar on 'Issues & Challenges in Geotechnical Engineering' organized by IGS-Bhubaneswar Chapter in association with IIT, Bhubaneswar on 8 July, 2017 .

## Small adventures

### Field trips

3rd year Civil Engineering students visited Durga fly over, Vijayawada on 24.03.2017. During the visit students were explained about the construction of Pile cap, pier and Casting of spine and wings for fly over at casting yard. They have been also explained about piling operation.



## Fruits of completion

### Academic Results

Year	Total Appeared	Total Pass
IV/IV B.Tech( VII Semester)	192	167
III/IV B.Tech( V Semester)	203	151
II/IV B.Tech( I Semester)	202	97
I/IV B.Tech(I Semester)	172	95

<i>I/II M.Tech(II Semester)</i>	15	15
<i>M.Tech(IV Semester)</i>	16	16

### *AltSalzstraße*

*The Old Salt Route was a medieval trade route in Northern Germany, one of the ancient network of salt roads which were used primarily for the transport of salt and other staples.*

*In Germany it was referred to as AlteSalzstraße.*



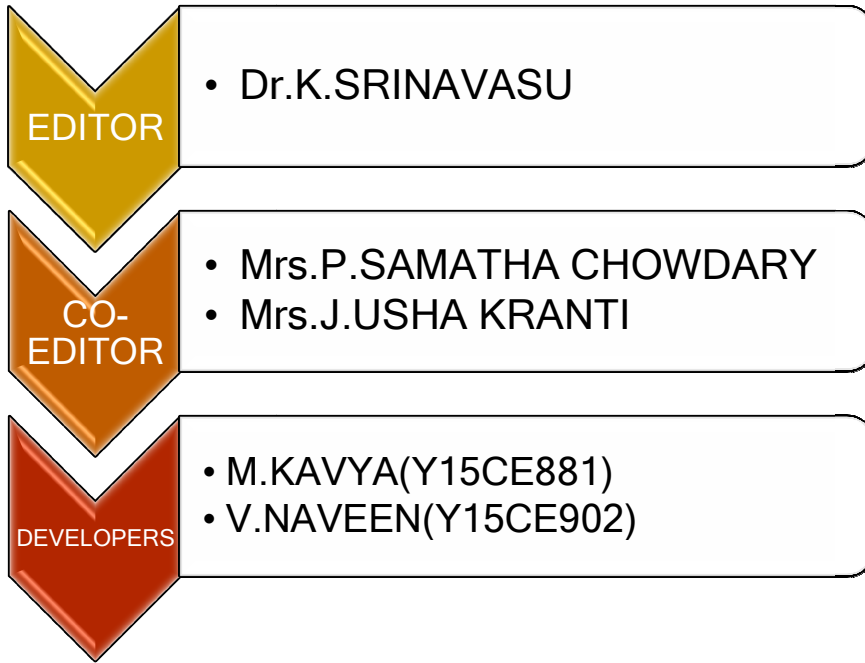
### *Vladimir Highway*

*The Vladimir Highway, familiarly known as the Vladimirka, was a road leading east from Moscow to Vladimir and Nizhny Novgorod. Its length was about 190 kilometers*





## TIME MACHINE CREATORS



## COMMITTEE MEMBERS

