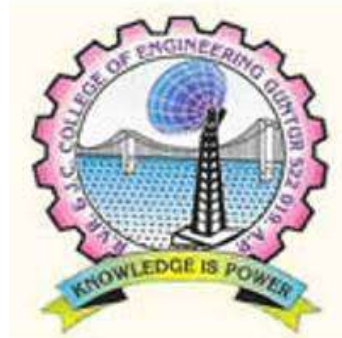




LEARN FROM FAIURES

CIVIL ENGINEERING DEPARTMENT NEWS LETTER

2015-16 |JAN– JUNE 2015|



HOD s Message:



This newsletter published for the year 2015-16 is dedicated entirely to the subject of Geo Technical Engineering. Especially geotechnical failures. Current edition is entirely dedicated to the various geo technical failures occurred across the World.

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 communication skills.**
- V. To train the students to mitigate natural**



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 interdisciplinary 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

LEARNING

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

Failure is the tuition you pay for success

Limestone Bluff Failure



limestone bluff failure occurred in Lake Whitney in Texas in 2014.

the exterior covered patio collapsed with the failed rock mass and the house had to be abandoned and demolished by burning.

Rock Toppling failure

- In 2008 a large apparent Rock Toppling failure occurred in Cairo, Egypt.*
- Due to this ,tragically killing over 100 people in the developed area below the vertical rock face took place*
- Local geologists had already predicted the hazard:*



Slope stability failure



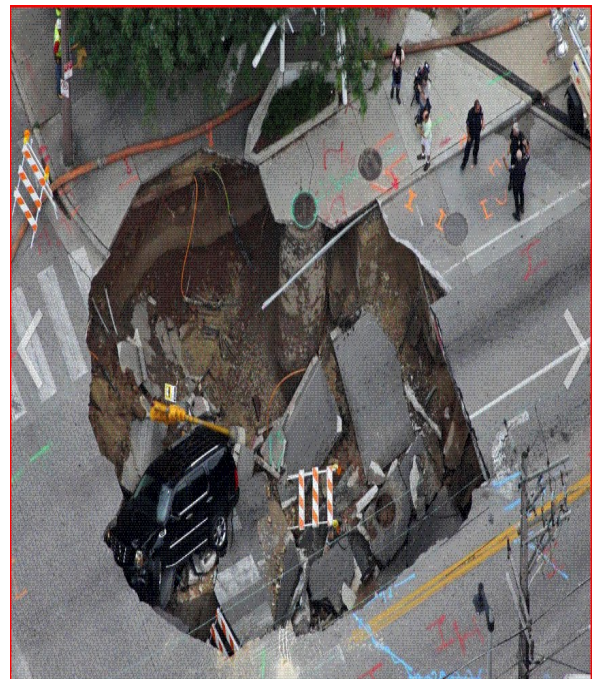
- *In North Salt Lake, a slope stability failure occurred upslope of this house (landslide into house).*

- *It causes irreparable damage and partial collapse.*

- *Notice the scarp face at the top of the slope.*

Formation of Sink hole

- *This sinkhole formed as a result of a leaking or broken sewer pipe that allowed loss of soil through pipe and eventual collapse of the street above.*
- *This failure is due to lack of proper awareness while designing the sewerage system.*



FACULTY STEPS TOWARDS LEARNING

National/International Conferences /Seminars/Workshops Organized:

- *One-day National Seminar on 'Case studies in Geotechnical Engineering Practices (CGEP-2015)' was conducted by Civil Engineering Department on 28th February 2015.*

Guest Lecture /Talks conducted

- *Dr.K.Sitaramanjenuyulu, Head, Pavement Evaluation Division, Central Road Research Institute, New Delhi, delivered a guest lecture on 10th March 2015. In his guest lecture, Dr. K. Sitaramanjenuyulu enlightened students on 'Recent Advances in Pavement Materials and Technologies'. In his lecture he discussed about various new technologies in pavement construction and maintenance*

Research Papers Published in Refereed Journals:

- *A research paper on 'A study on repair materials and mesh bonding technologies used to repair concrete beams failed in flexure' written by Asst Prof, Mr .M.L.N.Krishnasai, was published in the International Journal of Engineering Research and Applications (IJERA), Vol 5, Issue 5, pp.84 - 87, ISSN : 2248-9622*

Paper Presentations in Conferences /Seminars/published in proceedings:

- K.Srinivasu, Professor and HoD, M.L.N.KrishnaSai, J.UshaKranthi, Assistant Professors and K.SushmitaChowdary, Assistant Professor presented a paper on 'Design of Earth Quake Resistant Structure by Shear Walls- A Case Study' at a two day national conference - NCQACE, organized by SRM University, during 19 - 20 March 2015.
- Dr. M. RamaRao, Professor, P.SamathaChowdary, Assistant Professor, presented a paper on 'Strength Studies on Cement Stabilized Expansive Soil using Rice Husk Ash as an Additive' at a two day National Conference- NCQACE, organized by SRM University, during 19-20, March 2015.
- P.V.S.Maruthi Krishna, Associate Professor, M.Srikanth Kumar Assistant Professor, presented a paper on 'Waste Management Plan for Integrated Housing Development Plan for Slum Development at Chowdavaram' at two day National Conference- NCQACE organized by SRM University, during 19 - 20, March 2015.

Conferences/ Symposia/Workshops Attended

- Professor and HOD, K.Srinivasu and Assoc. Professor R.SurrendraBabu attended a workshop on 'Recent Advances in Structural Engineering' organized by Structural Engineering Research Centre (SERC), Chennai, during 7 -8, May 2015

- Assistant professors, N.Tejaswini, R.Vaishnava Kumar attended a two day workshop on 'Applications of Special Concretes in Structural Elements' at V R Siddhartha Engineering College, during 26 - 27, March 2015.
- Assistant Professors, R.Vaishnava Kumar, R. Satya Sai deep attended a two week Faculty Development Programme on 'Analysis of Design of High Rise Structures' at Mahatma Gandhi Institute of Technology, Gandipet, sponsored by AICTE during 4 - 16 May 2015.
- Assistant Professors, R.SatyaSaideep, R.Vaishnava Kumar, N. Tejaswini, Ch.Srivalli Lakshmi, Y.Madhavi, K.SushmitaChowdary attended an 'Induction Training Programme', organized by ISTE Chapter at R.V.R & J.C College of Engineering for young faculty during 1-2 May, 2015.
- Professor, P.Ch.SanjeevaRao, Assoc. Professor R.SurendraBabu attended a Seminar on 'Enterprise Growth: Taking Your Business to Greater Heights' organized by the Confederation of Indian Industries, at Vijayawada, on 24th February 2015.
- Professor, M.RamaRao , Associate Professors, P.V.S.M.Krishna, R.SurendraBabu attended a one day training programme on 'Green Buildings' organized by CII , Ministry of Non Renewable Energy Government of India and Indian Green Building Council, at Vijayawada, on 19th February 2015

- Assistant Professor , M.L.N Krishna Sai attended a winter school workshop on 'Recent Advances in Structural Engineering and Materials RASE -2015' organized by the department of Civil Engineering, IIT, Hyderabad, during 14-15 January 2015.

Faculty Recruitment:

Mr. Leela Krishna joined as Assistant Professor in Civil Department on 27th April 2015.

Student Industrial Tours and Short Visits

- III year Civil Engineering students visited a commercial complex under construction at Laxmipuram, Guntur to understand the pre-stressing technique on 12th March 2015
- II/IV B.Tech Civil Engineering Students visited Tail pond project at Satrasala & Nagrajuna Sagar Dam and Power House, during 14-15 February 2015.

FRUITS OF LEARNING

Year	Total Appeared	Total Pass
I/IV B.Tech 1st Sem	177	127
II/IV B.Tech 4th Sem	210	152
III/IV B.Tech 6th Sem	130	93
IV/IV B.Tech 2nd Sem	26	121

Dr.K.Srinivasu
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