

CESA NEWS LETTER

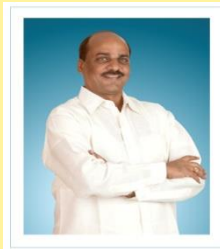
DEPARTMENT OF CIVIL ENGINEERING

CHALAPATHI INSTITUTE OF TECHNOLOGY

CHAIRMAN'S MESSAGE

I am very glad to know the release of civil engineering Bi-Annual news letter.

I wish the civil engineering students to continue their efforts and bring laurels to the department and the college.



SRI. Y.V. ANJANEYULU GARU

PRINCIPAL'S MESSAGE:

It is indeed a great pleasure to note that the department of civil engineering is releasing its Bi-Annual news letter. The various activities conducted by the department help the students to know about the latest development in the field of civil Engineering. I wish the association of civil engineering all the best and hope that many good activities will taken up by the association in future



Dr. C. RAVI KANT

INAUGURATION OF CESA:

The inaugural ceremony of Chalapathi Institute of technology, Civil Engineering branch students Association :CESA was held on 29th march 2016. The chief guests for the event were Dr.V.Anjaneya Prasad, a renowned structural engineer, Er.G.John Moshae, Superintendent engineer (Q &C), Roads and buildings department, Vijayawada and Prof.J.Kishore Babu, HOD, Civil engineering department CIET, Lam. The function was presided by Sri.Y.V.Anjaneyulu, chairman, Chalapathi Educational Institutions. The function was also attended by our beloved principal Dr.C.Ravi Kanth and HOD, Civil engineering department Prof.K. Naga Sreenivasa Rao.



Releasing of news letter of CESA by distinguished guests



Er. G. john Moshae delivering speech in inauguration of CESA

Chalapathi fest 2016 is a three days national level techno-cultural fest conducted on 29, 30 and 31 st of December 2016, Which provides a platform to the students of the schools , inter colleges and engineering colleges for exchange of ideas and information to keep themselves abreast of the current developments

The events organised by civil department were well appreciated by the organisers and external participants. The name of the department was held high throughout the fest, as a result of the unabated efforts of the students.

The exhibition organised by the final year and the pre final year students with the support of the second year students was one of the beguiling events of the entire fest. The events like underground metro, geo physical and sun synchronous satellite model, traffic without signals, water treatment plant, ground improvement technique, suspension bridge, arch bridge, and other various projects.



UNDER GROUND METRO



WATER TREATMENT PLANT



GREEN BUILDING



TRAFFIC REDUCING NETWORK



NEWLY JOINED FACULTY

Department extended a hearty welcome to the newly joined faculty members **K.Sri Harsha ,N.Sri Kanth, A.Venkata Krishna and M.Revathi** as assistant professors

Faculty has published research publications in various reputed journals like IJESE, IJITR, IJAGC, IJSER, IJSR, EP(CE), EES.

The various publication areas include structural engineering, transportation engineering, environmental engineering, geo technical engineering, ground water quality studies etc....

Academic Class Toppers in the University exams (2016)

Sl.No	Regd.No.	Name of the Student	Year/ Sem	Place	%
1	14HT1A0156	SHAIK ABDUL KAREEM	II-II	First	87
2	14HT1A0107	CH. MOUNIKA		Second	82.8
3	14HT1A0102	B. TRIVENI		Third	81
4	13HT1A0141	P. SRUJANA	III-II	First	72.51
5	13HT1A0158	Y. AKHILA		Second	69.80
6	13HT1A0102	ALAUDDIN ANSARI		Third	68.77
7	12HT1A0124	N. SRIKANTH	IV-II	First	83.5
8	12HT1A0110	G. LAKSHMI MARIYAMMA		Second	79.66
9	12HT1A0122	M. PAVAN KUMAR		Third	79

Industrial visit: The Civil Engineering Department arranges industrial visits regularly to the students to provide practical exposure, latest advances adapted by the industry, to bridge the gap between industry needs and institution learning. After the visits, students have to submit brief reports about their observations in the industry



Industrial visit of geology: Students observing the rock outcrops in and around Guntur district. Identification of rock type, calculation of their strike and dip of the formation is carried out practically in the field itself.



Industrial visit of the Sarvana Ready mix plant: Students observing the manufacturing process of the concrete at the plant located in Vaddeswaram village, Guntur. Faculty and staff explaining the process and raw materials used in the plant.

HOD'S COLUMN:

Civil engineering is the broadest of the engineering fields . civil engineering focuses on the infrastructure of the world which includes water works , sewers, dams, power plants, highways, airport runways, railways etc.... among the important sub divisions of the field are construction engineering , irrigation engineering, transportation engineering soils and foundation engineering , geodetic engineering , hydraulic engineering and ocean engineering.

Civil engineers built the worlds infrastructure . in doing so , they quietly shape the history of nations around the world . most people cannot imagine life without the many contributions of civil engineers to the public health , safety and standard of livin



CIVIL QUIZ

Questions:

1. Poise is unit for...
2. In a prismatic compass the zero of the graduated ring is located at..?
3. What are the units of slenderness ratio
4. Which code book we have used for reinforced concrete structures and steel structures
5. If the depth of foundation is less than the breadth of foundation then it is known asfoundation

Answers:

1. kinematic viscosity
2. south
3. No units
4. For reinforced concrete structures IS 456 (2000) and for steel structures IS 800(2007)
5. Shallow foundations

WORKSHOP

Third & final year students attended one day national level work shop on **Structural Analysis & Design using advance software "ETABS"** on 17th February 2017

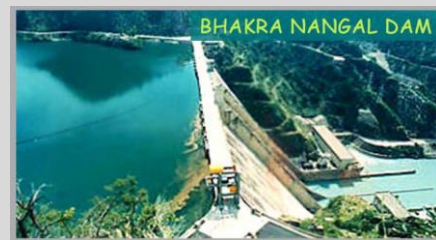
PIONEERS IN CIVIL ENGINEERING



MOKSHAGUNDAM VISVESVARAYA

"Mokshagundam visvesvaraya" was an Indian engineer, scholar, statesman and the diwan of Mysore from 1912 to 1918. He is a recipient of the Indian republics highest honour, and the bharat ratna, in 1995. He was knighted as a knight commander of the British Indian Empire by King George v for his contributions to the public good. 15 September is celebrated as engineer's day in India in his memory. He is held in high regard as a preeminent engineer of India. He was the chief engineer responsible for the construction of Krishna Sagara dam in Mysore as well as the chief designer of the flood protection system for the city of Hyderabad

CIVIL ENGINEERING MARVELS



BHAKRA NANGAL DAM

Bhakra dam is a concrete gravity dam across the Sutlej river, and is in bilaspur , himachal Pradesh in northern India

The dam located at a George near the upstream bhakra village in bilaspur district of himachal Pradesh, is India's second tallest at 225.55m (740ft) high next to the 261m tehri dam. The length of the dam is 518.25m;it is 9.1m broad. its reservoir ,known as the "gobind sager", stores up to 9.34 billion cubic meters of water, enough to drain the whole of Chandigarh, parts of Haryana ,Punjab and Delhi. The 90km long reservoir created by the bhakra damis spread over an area of 168.35 km².

PRINCIPALS

MESSAGE:



Dr. C. RAVI KANT

In our journey towards perfection I sincerely hope that this initiative of Civil Department would provide a platform for the young minds to unleash their innovative ideas and in the process open new vistas in technology. As change seems to be the buzz word of the modern era Let us change our thoughts to empower and transform ourselves for a bright future



Civil Department has successfully attracted a large number of student participants from all surrounding colleges of Guntur, Prakasam and Krishna. Five category competitions were held which includes paper presentation, poster presentation, technical quiz, Autocad drawing and treasure hunt.



Inaugural function of Udghosh-2k17



Lighting the lamp by chief guests Dr.

Every year UDGHOSH was conducted in the month of March. Many participants from various colleges have actively participated in this technical event. During this event our civil department staff and students actively participated and prepared various exhibits like green buildings, traffic without signals, suspension bridge, model building of our college, live model of raw water distribution system, traffic without signals and etc....



students achievements

Some of our students has actively participated in various technical events conducted in an around of various engineering colleges of Guntur district and secured various positions in the programmes. Some of them are listed below

S No	Name of the student	Regd. No	Academic year	Name of the award	Venue name	Prize won
1	B. Manikanta Vasu	13HT1A0107	IV-B.Tech	Srujanankura (Builtrix)	Vignan University	Ist
2	G.V.N. Mani Teja	13HT1A0115	IV-B.Tech	Srujanankura (Builtrix)	Vignan University	Ist
3	A.N.S.S.sumanth	15HT5A0101	II-B.Tech	Udghosh 2k17 (in projectexpo)	Cit mothadaka	II nd
4	V. Gopi Krishna	14HT1A0175	II-B.Tech	Udghosh 2k17 (in projectexpo)	Cit mothadaka	II nd
5	Y. venkatesh	14HT1A0179	II-B.Tech	Udghosh 2k17 (in projectexpo)	Cit mothadaka	II nd
6	B. Manikanta Vasu	13HT1A0107	III-B.Tech	Vihang 2k16(Poster presentation)	Mallineni Engg. College	Ist
7	D. Gopi Raju	13HT1A0112	III-B. Tech	Vihang 2k16 (Poster Presentation)	Mallineni Engg. College	Ist
8	Sk. Abdul Kareem	14HT1A0156	II-B.Tech	Odyssey-2k16 (In Quiz)	C.I.E.T, LAM	II nd
9	B.Manikanta Vasu	13HT1A0107	III-B.Tech	Wish V-2K16 (In English caption writing)	N.R.I.T	Ist
10	G.V.N.Mani Teja	13HT1A0115	III-B.Tech	Vihang 2k16 (Project Expo)	Mallineni Engg. College	II nd
11	B.Manikanta Vasu	13HT1A0107	III-B.Tech	Wish V-2K16 (In Poster presentation)	N.R.I.T	II nd
12	D.Gopi Raju	13HT1A0112	III-B.Tech	Vihang 2k16 (Project Expo)	Mallineni Engg. College	II nd
13	N.Sri Ram Prasad	13HT1A0138	III-B.Tech	Wish V-2K16 (In Poster presentation)	N.R.I.T	II nd

QUOTE :

Behaviour is some times greater than knowledge, because in life there are many situations where knowledge fails but behaviour can handle everything.

-Anonymous

CIVIL QUIZ

Questions

1. Who is the father of soil mechanics
2. What is the weight of one bag of cement
3. As per IRC recommendation traffic volume study carried out.....days
4. For the section having 14 mm thickness which size of weld is used..
5. Now a days ,which grade of steel is maximum used in the construction

Answers

1. Karl von terzaghi
2. 50 kg
3. 7 days
4. 5mm weld
5. Fe 415 grade steel

WORKSHOP

Third & final year students attended one day national level work shop on **Structural Analysis & Design using advance software "ETABS"** on 17th February 2017

WIT AND WISDOM:

Good friends, good books,
and a sleepy conscience: this
is the ideal life

-Mark Twain

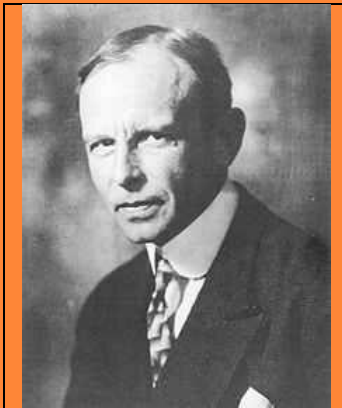
A discussion is an exchange
of thoughts and knowledge.
Promote it....! Argument is
an exchange of ego and
ignorance. Avoid it....!

SEMINAR

A seminar on role of licenced surveyor and valuer –requirements to be fulfilled to be registered as licenced surveyor and valuer held on 17th march ,2017 . senior valuer and surveyor Er. p. sankar rao addressed the students and stressed the need to register as licenced surveyor and valuer after completion of their degree

PIONEERS IN CIVIL ENGINEERING

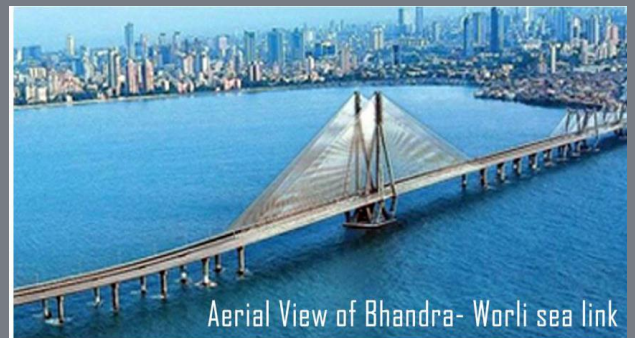
KARL VON TERGAGHI: FATHER OF SOIL MECHANICS



Karl von terzaghi was an Australian civil engineer and geologist , called the father of soil mechanics. He after an extensive experience in industry and military experiences started his academic carrier in 1913, he worked on bringing true engineering understanding of soil as an engineering material whose properties could be measured in standardised ways.

He set up laboratory using only the most rudimentary equipments, and began his revolution. His measurements and analysis of the force on retaining walls are first published in English in 1919, and was quickly recognised as important new contribution to the scientific understanding of the fundamental behaviour of soils

CIVIL ENGINEERING MARVELS



The Bhandra- warli sea link called as Rajiv Gandhi sea link is a cable – stayed bridge with pre-stressed concrete steel via ducts on either sides that links bandra in western suburbs of Mumbai with Worli in south Mumbai. The bridge is a part of the proposed western free way that will link the western suburbs to subjected to nariman points in Mumbai district