ASCE EVENTS DATA AY 2021-2022

EVENT	DATE	GUESTS/ PARTICIPATIONS
FIELD TRIP DR KL RAO HEAD WATER WORKS, KUMMARIPALEM, VIJAYAWADA	22.02.2022	Mr.M.Raghava Prasad Mr.Haroon Ali Khan And 3rd year A Sec Students (40)
FIELD TRIP DR KL RAO HEAD WATER WORKS, KUMMARIPALEM, VIJAYAWADA	24.02.2022	Dr.U.AnujaCharpe Mr.Haroon Ali Khan And 3rd year C Sec Students (60)
Seminar on Career Opportunities in EMERGING SECTORS & INDUSTRY 4.0	25.02.2022	Dr. BIPLAB KUMAR BISWAL, Director, KIRLOSKAR INSTITUTE OF ADVANCED MANAGEMENT STUDIES (KIAMS)
Field Trip to Polavaram&Pattiseema	27.03.2022	Dr.K.S.R.Prasad Dr.U.AnujaCharpe Mr.Haroon Ali Khan Mr.B.Sriram And 3rd year Students (80)
What's wrong in it?	06.04.2022	Event for 2nd year Students (40)
Guest Lecture on Architectural and Structural Requirements for Earthquake Resilient Buildings	14.05.2022	Dr.SriKalyanaRamaJ,AssistantProfessor,DepartmentofCivilEngineering, Mahindra University,Hyderabad.
2nd KoyaSrinivasa Rao Endowment Lecture on "Sustainable Infrastructure: Role of Civil Engineers"	30.06.2022	Dr. Krishna R. Reddy Professor of Civil and Environmental Engineering, University of Illinois, Chicago, USA

DEPARTMENT OF CIVIL ENGINEERING

V R SIDDHARTHA ENGINEERING COLLEGE

Event	FIELD TRIP Dr. KL RAO HEAD WATER WORKS, KUMMARIPALEM, VIJAYAWADA
Date	22.02.2022
Beneficiaries	3rd year A Sec Students (40)
Highlights	The main objective of visiting the water treatment plant is to study the process of water treatment. Executive Engineer Narayana Murthy, Assistant Executive Engineer Basava Reddy accompanied during the visit. Supervisory Control and Data Acquisition (SCADA) is a system that aims to monitor and control field devices at remote sites. SCADA is a centralized system that monitors and controls the entire water distributor system in an area. This supervisory system gathers data on water drawn and distributed and identifies unaccountable water during distribution. This is system is being explained clearly to students. Total Plant capacity (45MGD) and distribution system is explained. Collection intake well of 11MGD capacity and screening procedure is illustrated. Coagulation (treatment with alum), Flash mixing (violent agitation for mixing of alum with water properly) and flocculation process (to remove precipitate formed due to addition of alum), Sedimentation (removal of bacteria and impurities), filtration (collection of filtered water), disinfection process (Chlorine gas is used to disinfect water) are explained. Students visited the plant and observed complete process of water treatment and distribution of water to different areas of Vijayawada City. Around 40 students has attend this field trip, which in turn they got a brief view about how water is being drawn from the river and converted to drinking water which is being supplied for industrial and domestic purposes.
Photos	

DEPARTMENT OF CIVIL ENGINEERING

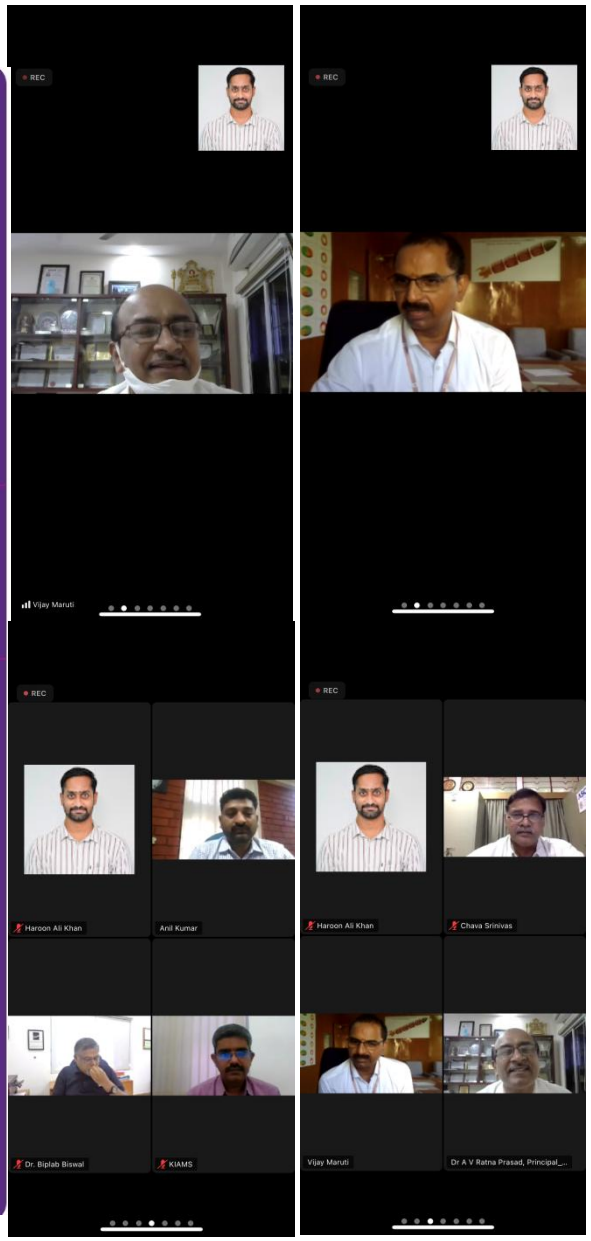
V R SIDDHARTHA ENGINEERING COLLEGE

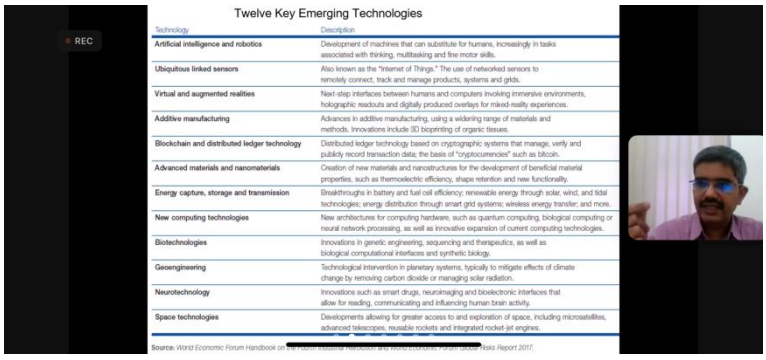
Event	FIELD TRIP Dr. KL RAO HEAD WATER WORKS, KUMMARIPALEM, VIJAYAWADA
Date	24.02.2022
Beneficiaries	3rd year C Sec Students (60)
Highlights	The main objective of visiting the water treatment plant is to study the process of water treatment. Executive Engineer Narayana Murthy, Assistant Executive Engineer Basava Reddy accompanied during the visit. Supervisory Control and Data Acquisition (SCADA) is a system that aims to monitor and control field devices at remote sites. SCADA is a centralized system that monitors and controls the entire water distributor system in an area. This supervisory system gathers data on water drawn and distributed and identifies unaccountable water during distribution. This is system is being explained clearly to students. Total Plant capacity (45MGD) and distribution system is explained. Collection intake well of 11MGD capacity and screening procedure is illustrated. Coagulation (treatment with alum), Flash mixing (violent agitation for mixing of alum with water properly) and flocculation process (to remove precipitate formed due to addition of alum), Sedimentation (removal of bacteria and impurities), filtration (collection of filtered water), disinfection process (Chlorine gas is used to disinfect water) are explained. Students visited the plant and observed complete process of water treatment and distribution of water to different areas of Vijayawada City. Around 60 students has attend this field trip, which in turn they got a brief view about how water is being drawn from the river and converted to drinking water which is being supplied for industrial and domestic purposes.
Photos	

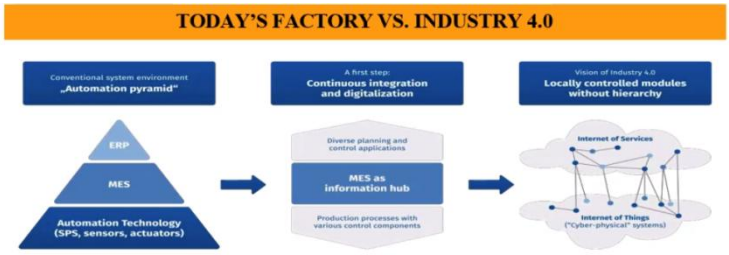
DEPARTMENT OF CIVIL ENGINEERING

V R SIDDHARTHA ENGINEERING COLLEGE

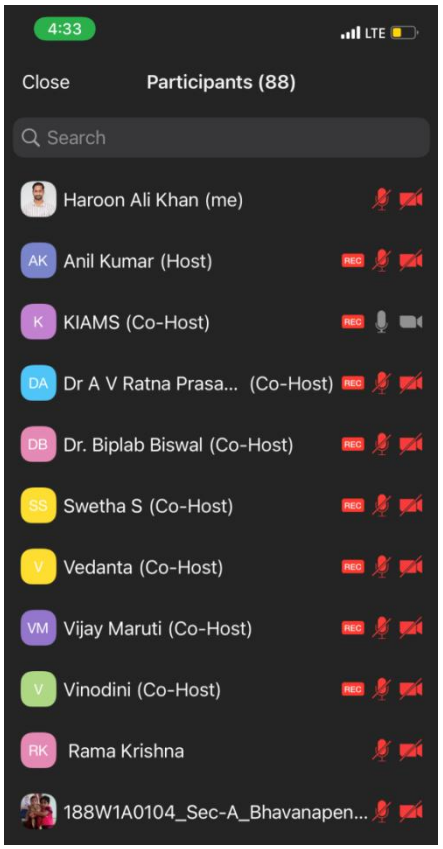
Event	Seminar on Career Opportunities in EMERGING SECTORS & INDUSTRY 4.0 by Dr. BIPLAB KUMAR BISWAL, Director,KIRLOSKAR INSTITUTE OFADVANCED MANAGEMENTSTUDIES (KIAMS)
Date	25.02. 2022
Beneficiaries	Final year students (88)
Highlights	A Seminar on Career Opportunities in EMERGING SECTORS & INDUSTRY 4.0 has been organized by Dr. BIPLAB KUMAR BISWAL, Director, KIRLOSKAR INSTITUTE OF ADVANCED MANAGEMENT STUDIES (KIAMS). During session they explained about Digital disruption has already happened in detail by below example: The largest movie house owns no cinemas (Netflix), Largest software vendors don't write the apps (Apple/Google), The world's largest taxi company own no taxis (UBER), The largest accommodation provider owns no real estate (Airbnb) etc., 15 years ago Travel Agents would claim that you cannot book vacations online - It needs a personal touch and experience, 10 years ago you would not dream or banking online - Its not safe" 5Years ago few people would buy groceries online. The levers used for its proliferation is explained, like how its connected to sensors, how big data is stored and how predictive analysis does work. Also explained about career oppurtunities like how to Innovate, within each department and gain competitive advantage in the evolving empowering employees, engaging customers transforming products and services, and optimizing operations. 1. Logistics & Supply Chain 2. Analytics

	5. Consulting 3. Budgeting & Finance 6. Product & Services 7. Marketing & Sales 4. HR & Recruitment 8. Operations & Manufacturing Students have been enthusiastically participated in this event and have gained knowledge through this seminar which might in turn lead our students to think innovatively and lead them to be future Entrepreneurs.
Photos	  





	Data source	Today's factory		Industry 4.0	
		Attributes	Technologies	Attributes	Technologies
Component	Sensor	Precision	Smart sensors and fault detection	Self-aware Self-predict	Degradation monitoring & remaining useful life prediction
Machine	Controller	Producibility & performance	Condition-based monitoring & diagnostics	Self-aware Self-predict Self-compare	Up time with predictive health monitoring
Production system	Networked system	Productivity & OEE	Lean operations: work and waste reduction	Self-configure Self-maintain Self-organize	Worry-free productivity



DEPARTMENT OF CIVIL ENGINEERING

V R SIDDHARTHA ENGINEERING COLLEGE

Field Trip To	Polavaram Field Trip
Date	27/03/22
Beneficiaries	3/4 B.Tech (80 Students)
Faculty visited	Dr.K.S.R.Prasad,Dr.Anuja U Charpe, Haroon Ali Khan, B.Sriram
Highlights	Education trip to Polavaram for 3rd year students has been organized for students such that they can gain knowledge regarding how a spillway is used the gates installed and its functioning, what is lift irrigation, how the lifted water is delivered for irrigation and other purposes and why Polavaram is such a big project at present. Students have witnessed the spillway gates and their control unit at the top of spillway as well as gained practical knowledge of the theoretical subject (Irrigation Structures) which is being taught in this semester from this field trip.

Photos	   ASCE FIELD TRIP UG Students ized by ASCE Student Chapter

DEPARTMENT OF CIVIL ENGINEERING

V R SIDDHARTHA ENGINEERING COLLEGE

Event	What's wrong in it?
Date	06/04/2022
Beneficiaries	2nd year students (40)
Highlights	What's wrong in it? is a unique competition where students are encouraged to learn and revise about their previously completed courses. Also, by conducting it like a quiz by dividing teams at different levels. The students participated actively in this event. They utilized this opportunity very well and impressed the judges and made the event success. E-certificates have been distributed for all participants.

Photos	 VRSEC VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE DEPARTMENT OF CIVIL ENGINEERING ASCE STUDENT CHAPTER Velagapudi Ramakrishna Siddhartha Engineering College What's Wrong in IT ? Technical based event Date:06th April,2022 (wednesday) Venue: CE-II - 105 Seminar Hall

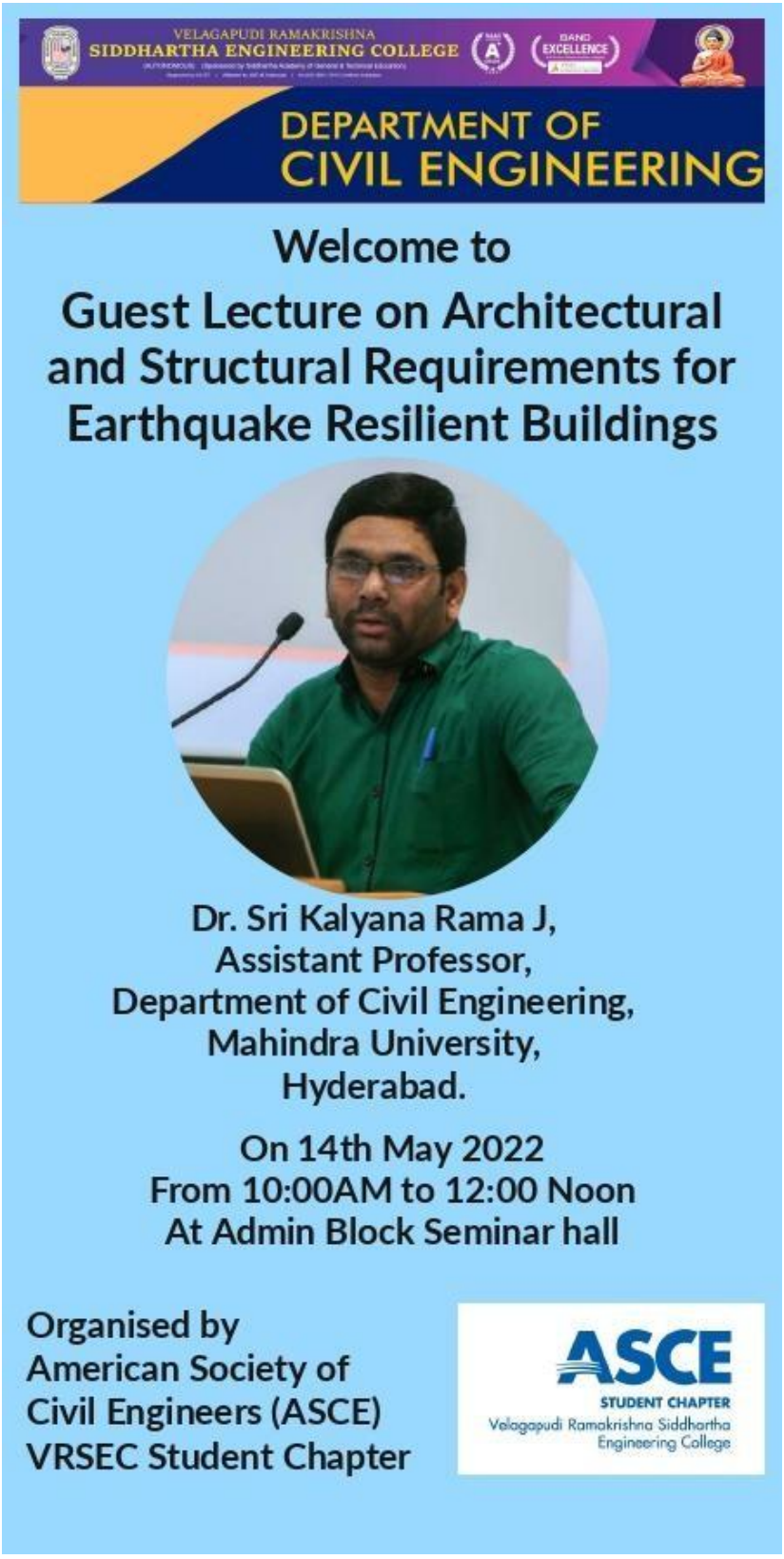

"Be the change you want
to see in the world"


H25

DEPARTMENT OF CIVIL ENGINEERING

V R SIDDHARTHA ENGINEERING COLLEGE

Event	GuestLectureonArchitecturalandStructuralRequirementsforEarthquakeResilientBuildings
Guest Speaker	Dr.SriKalyanaRamaJ,AssistantProfessor,DepartmentofCivilEngineering, Mahindra University,Hyderabad.
Date	14-05-2022
Beneficiaries	Under Graduate & PG Students and faculty (120)
Highlights	Dr. Sri Kalyana Rama J is an Alumni of our college and is presently working as an assistant Professor in Civil Department, Mahindra University, Hyderabad. He has addressed the 2nd& 3rd Year B.Tech Students and 1st Year MTech Students about the Architectural and Structural Requirements for Earthquake Resilient Buildings. He has explained the basic terms related to Earthquake and the reasons for the occurrence of the Earthquake. He has explained how different waves propagate through the layers of the earth during the earthquake and how they affect the structures on different types of surfaces. He later presented the basic configurations for the structures to be followed while planning the structures to withstand during the earthquakes. He also showed how different structures fail during the earthquakes and the importance of the quality of materials and Quality Control during execution to withstand the earthquakes with minimal damages. He later explained the ductile detailing and the concepts during design of the building to withstand the Earthquakes.
Faculty Attended	Mr. B.Sriram, Mr.Sk.Khaja Sameer, Mr. Haroon Ali Khan, Dr. Anuja U Charpe, B.Durga Priyanka.
Outcome	Students have become familiar with the basics related to earthquakes and how earthquakes occur. They are able to understand how different Earthquake waves affect the structures. They have become familiar with the architectural and structural aspects of the structures for earthquake resilience.

Photos	 VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE DEPARTMENT OF CIVIL ENGINEERING Welcome to Guest Lecture on Architectural and Structural Requirements for Earthquake Resilient Buildings Dr. Sri Kalyana Rama J, Assistant Professor, Department of Civil Engineering, Mahindra University, Hyderabad. On 14th May 2022 From 10:00AM to 12:00 Noon At Admin Block Seminar hall Organised by American Society of Civil Engineers (ASCE) VRSEC Student Chapter ASCE STUDENT CHAPTER Velagapudi Ramakrishna Siddhartha Engineering College


ather of Civil Engineering


Seismic Wave Recording

DEPARTMENT OF CIVIL ENGINEERING

V R SIDDHARTHA ENGINEERING COLLEGE

KOYA SRINIVASARAO ENDOWMENT LECTURE REPORT

Event	Koya Srinivasarao Endowment Lecture
Guest speaker	Dr.Krishna R. Reddy, Professor of Civil and Environmental Engineering, University of Illinois, Chicago, USA.
Date	30-06-2022
Beneficiaries	II/IV & IV/IV UG Students, PG Students (218No's) and Teaching Staff
Faculty Attended	Dr.Chava Srinivas, Dr.Mallikarjuna, Dr.N.R.K.murthy, Dr.Lakshmi Keshav, Dr.V.V.N.Prabhakar Rao, Dr.K.Hanuma, M.R Prasad, B. Sri ram, S.Satish, Y.Suma, T Sujatha.
Highlights	A Koya Srinivasarao Endowment Lecture on "Sustainable Infrastructure: Role of Civil Engineers" was delivered by Dr.Krishna R. Reddy and was organized by IGBC VR Siddhartha student chapter and ASCE VR Siddhartha Students Chapter. He explained about what is sustainability, resilience and sustainable features which are being implemented in the Chicago region and future technologies which are in development and research.

Photos


VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE
VIJAYAWADA


Welcome you all to join
Reddy