



DEPARTMENT OF CIVIL ENGINEERING

JULY 2021

VOL 9, ISSUE 2

Chief Patron: Capt. V. Lakshmikantha Rao, Secretary & Correspondent
Chief Editor: Dr. K. Ashoka Reddy, Principal
Editor In-charge : Dr. S. Sunil Pratap Reddy, Associate Professor, CED & Smt. Ch. Sree Laxmi Pavani, Assistant Professor, CED

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Vision of the Department:

- The Vision of the department is to become a leading centre of excellence in producing quality human resource in civil engineering by developing a sustainable technical education system to meet the changing technological needs of the Country. The Department will make significant contributions to the economic development of the state, region and nation.

Mission of the Department:

- To produce outstanding Civil Engineering graduates with highest ethics
To impart quality education in civil engineering to raise satisfaction level of all stake holders.
To serve society and the nation by providing professional civil engineering leadership to find solution to community, regional and global problems and accept new challenges in rapidly changing technology.

Programme Educational Objectives (PEO's): The Programme Educational Objectives (PEO's) of the civil engineering program are designed to produce skilled engineers who are ready to contribute effectively to the civil engineering profession and are ready to handle

Table with 2 columns: PEO ID and Description. Rows include PEO 1 (Demonstrate professional competency), PEO 2 (Investigate, analyze and design solutions), PEO 3 (Exhibit professionalism), and PEO 4 (Develop competence).

Programme Outcomes (PO's):

Table with 3 columns: PO ID, Description, and Outcome. Rows include PO1 (Apply the knowledge of mathematics), PO2 (Identify, formulate, research literature), PO3 (Design solutions for complex engineering problems), PO4 (Use research-based knowledge), PO5 (Create, select, and apply appropriate techniques), PO6 (Apply reasoning informed by contextual knowledge), PO7 (Understand the impact of professional engineering solutions), PO8 (Apply ethical principles), PO9 (Function effectively as an individual), PO10 (Communicate effectively), PO11 (Demonstrate knowledge and understanding of engineering and management principles), and PO12 (Recognize the need for, and have the preparation and ability to engage in independent and life-long learning).



Program Specific Outcomes (PSO's)

PSO 1	Apply fundamental computational methods and elementary analytical techniques in sub-disciplines related to civil engineering
PSO 2	Design civil engineering structures, component or process to meet desired needs with appropriate consideration for the public health and safety, cultural, societal, sustainability and environmental considerations
PSO 3	Appreciate professional and ethical responsibility concerning legal, contemporary, environmental & cultural issues and consequent responsibilities relevant to the professional engineering practices and norms of civil engineering practice code.
PSO 4	Appreciate the role of research in civil engineering practice and recognize the need for and to engage in life-long learning in civil engineering and allied domains as relevant to rapidly changing technology.

Chief Editor Message:

It gives me immense pleasure in welcoming NEWSLETTER, on behalf of the entire campus community of KITS Warangal. This newsletter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us. This inaugural issue is a brief account of the important events of Civil Department. I congratulate all those who have contributed in bringing out this issue. I hope this newsletter will inspire all of us for a new beginning enlighten with hope, confidence and faith in each other.

- Dr. K. Ashoka Reddy, Principal



Editor Message:

I was given the privilege to serve as the chief editor of this newsletter which gives me great opportunity to present the first issue of this newsletter. In this context, these editorial standards are set forth to give readers and contributors a clear idea of what they can and should expect from the newsletter.

- Dr. M. Veera Reddy, Professor & Head, CED



Editor In-charge Message:

It is with great honor and great pleasure for us to involve in laying the ground work of this newsletter. We congratulate the Editorial Team for their hard work in producing this Newsletter. We are absolutely certain that the best is yet to come. We hope that you will enjoy reading this newsletter.



Dr. S. Sunil Pratap Reddy
Associate Professor, CED



Smt. Ch. Sree Laxmi Pavani
Assistant Professor, CED



SHORT TERM TRAINING PROGRAM (STTP)

Short Term Training Program (STTP) is Sponsored by AICTE and organized by Department of Civil Engineering, KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE WARANGAL on Sustainable Materials & Resilient Buildings- Philosophy, Design, Implementation, and Performance by virtual mode through Google Meet. The Program is coursed under three platforms STTP-1, 2 &3. Professor M. Veera Reddy, Head, Civil Engineering Department is coordinator and Dr. N. Gangadhara Reddy and Mr. P. Teja Abhilash are Co-Coordinators for this STTP program. STTP-1,2 is published in the Newsletter Volume-9, Issue-1. STTP-3 schedule is as shown below.

➤ **STTP-III :(15/February/2021 to 20/February/2021)**

Program Schedule

Date	Time	Activity	Resource expert details
15.Feb.2021 Monday	4:00 PM onwards	Inaugural	--
	04:30-06:00 PM	Recycling Industrial Wastes for Sustainable Infrastructure Development	Prof. Sarat Kumar Das, IIT (ISM) Dhanbad
	06:00-07:30 PM	Potential of Ferro Chrome Aggregates for use as Coarse Aggregate in Concrete making	Prof. CNV Satyanarayana Reddy, Andhra University
16.Feb.2021 Tuesday	04:30-06:00 PM	Green Buildings – An Overview	Mr. Prem Sai Reddy & Ms. Amruta Katpelwar, Indian Green Building Council, Hyderabad
	06:00-07:30 PM	Sustainable Materials in Building Sector and their Impact on Energy and Greenhouse Gases Emission	Dr. P. Sridhar, NIT Warangal
17.Feb.2021 Wednesday	04:30-06:00 PM	Earth Reinforcement for Disaster Risk Reduction	Dr. Sreevalsa Kolathayar, NITK Surathkal
	06:00-07:30 PM	Climate Resilient Design of Civil Infrastructure	Prof. Krishna R. Reddy, University of Illinois, Chicago,USA
18.Feb.2021 Thursday	04:30-06:00 PM	Synthesis and Performance Study of Structural Geopolymer Concrete Developed from Industrial Wastes	Dr. M. Srinivasula Reddy, G. Pulla Reddy College of Engineering, Kurnool
	06:00-07:30 PM	A Sustainable Building System using Glass Fiber Reinforced Gypsum Panels	Dr. Philip Cherian, Dalmouk- Premier Inc., Chennai
19.Feb 2021 Friday	04:30-06:00 PM	A Sustainable Building System using Glass Fibre Reinforced Gypsum Panels	Dr. Philip Cherian, Dalmouk- Premier Inc., Chennai
	06:00-07:30 PM	Approach Towards Sustainability in the Construction of Flexible Pavements	Dr. Ramya Sri Mullapudi, IIT Hyderabad
20.Feb.2021 Saturday	04:30-06:00 PM	Design and Construction Methodology of 3D Sandwich Panels -An Alternative Construction System	Dr. Leon Raj J, CSIR-NEIST, Jorhat
	06:00-07:30 PM	Sustainable Materials: An Overview of Portland Limestone Cement (PLC) and its Performance	Shri. TVG Reddy, NCCBM, New Delhi

JAL SHAKTI ABHIYAN

One day webinar SANCHAY JAL, BEHTAR KAL as a part of Jal Shakti Abhiyan and Digital JalShapath on the eve of Azadi ki AmruthMahotsav (17th April 2021)

About Jal Shakti Abhiyan Initiative

Jal Shakti Abhiyan would be the first Major All-India Program that has been launched on 22nd March, 2021 after the commencement of Aazadi Ki AmrutMahotsav. It is a campaign for water conservation and water security in the country through a collaborative effort of various ministries of the Government of India and state governments.

Objectives:

To set an example of moral value for the students of the Kakatiya Institute of Technological Sciences, Warangal towards conserving water and saving our environment.

Details of the program

Date: 17.04.2021, Saturday

Time: 2:30-4:30 PM

Venue: google meet (online platform), Kits, Warangal-506015, Telangana.

Topic: Rain Water Harvesting: An Initiative Towards Sustainable Water Resources Development and Management

Speaker: Dr Suraj Jena, Project Manager, IIT-Bhubaneswar

The program was embraced by guest speaker, Dr. Suraj Jena, Project Manager, Indian Institute of Technology, Bhubaneswar. He stated how to save water and how to save environment. Dr. Jena Emphasized the role of water harvesting structures in the premises of homes/colleges/any open places. Highlighted the advantages of groundwater recharge using rainwater harvesting and conservation of groundwater, advantages of roof top rainwater harvesting structures for irrigation and industrial area with a case study. He also discussed the responsible consumption of groundwater resources and praised the Government of India initiative on Jal Shakthi Abhiyan for rainwater harvesting towards sustainable water development. The event ended with Vote of Thanks given by Sri G. Anvesh Kumar, Assistant Professor, Department of Civil Engineering and Dr N. Gangadhara Reddy, Assistant Professor, Department of Civil Engineering, KITS Warangal.



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)
(Accredited by NAAC with 'A' Grade)
Opp: Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506015, Telangana, INDIA.

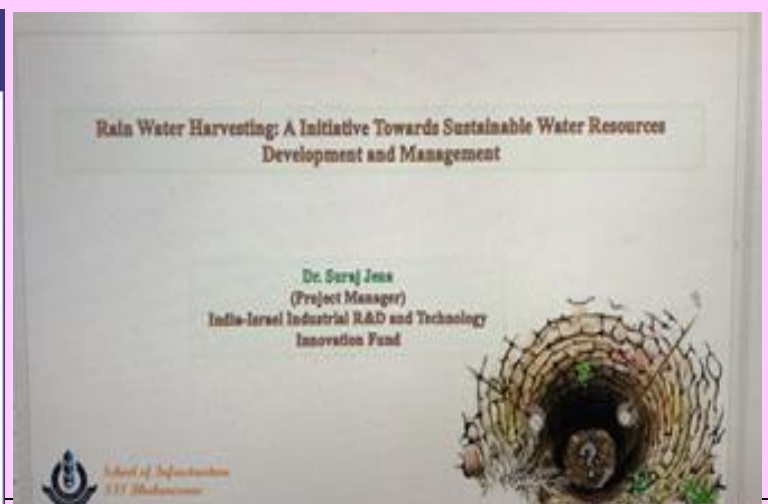
Student Activity Centre (SAC)
&
Department of Civil Engineering
Presents

 **JAL SHAKTI ABHIYAN**
Sanchay Jal, Behtar Kal

A Webinar on “Sanchay Jal, Behtar Kal”
(As a part of Jal Shakti Abhiyan and Digital Jal Shapath on the eve of Azadi ki Amruth Mahotsav)

By
Dr. Suraj Jena
Project Manager
(India - Israel Industrial R&D and Technology Innovation Fund)
Indian Institute of Technology, Bhubaneswar


17th April, 2021



**Rain Water Harvesting: A Initiative Towards Sustainable Water Resources
Development and Management**

Dr. Suraj Jena
(Project Manager)
India-Israel Industrial R&D and Technology
Innovation Fund



 School of Infrastructure
IIT Bhubaneswar

“DON'T LET WHAT YOU CANNOT DO INTERFERE WITH WHAT YOU DO”

– JOHN WOODEN



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➤ Jal Shakti Abhiyan News coverage in Telangana Today

Home » Rainwater harvesting need of the hour: Expert

Rainwater harvesting need of the hour: Expert

By TelanganaToday | Published: 17th Apr 2021 7:50 pm

Warangal Urban: Rainwater harvesting is a must for sustainable water development, and harvesting structures should be encouraged on the premises of houses, colleges, offices, and in open places, Project Manager, India-Israel Industrial R&D and Technology Innovative Fund, IIT, Bhubaneswar, Dr Suraj Jena said.

Addressing a one-day webinar on “Sanchay Jal, Behtar Kal” held by the Kakatiya Institute of Technology and Science (KITS), Warangal, as part of Jal Shakti Abhiyan and Digital Jal Shapath on the eve of ‘Azadi ki Amruth Mahotsav’ on Saturday, he also underscored the need for rooftop rainwater harvesting structures and urged people to use groundwater resources judiciously.

KITSW Prof K Ashoka Reddy said: “Water is so precious. But today, we are heading towards scarcity, and this alarming situation needs to be addressed. The best solution is to conserve water through rainwater harvesting,” he added.

Head, Department of Civil Engineering, Prof M Veera Reddy said the “Sanchay Jal, Behtar Kal” is the activity initiated by the AICTE in all the universities, colleges, and other educational and technical institutions to take up rooftop/rainwater harvesting structures on the premises under Jal Shakti Abhiyan. This webinar was organised to enlighten the student community on rainwater harvesting and its benefits. Dean, Student Affairs, Prof Raghotham Reddy said the webinar was attended by more than 80 UG and PG students.

(Electronic Media)

Rainwater harvesting need of the hour: Expert

STATE BUREAU
Warangal Urban

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(Print Media)

తెలిపారు.

కిట్స్లో సదస్సు

భీమారం, న్యూస్టుడే: కిట్స్ లో శనివారం డిపార్ట్మెంట్ ఆఫ్ సివిల్ ఇంజనీరింగ్, స్టూడెంట్ యాక్టివిటీ సెంటర్ సంయుక్త ఆధ్వర్యంలో 'సాంచయ్ జల్-బెహతార్ కల్' అనే కార్యక్రమంపై సదస్సు నిర్వహించారు. ఐబిటీ భువనేశ్వర్ ప్రొఫెసర్ సూరజ్ జెనా మాట్లాడుతూ... వర్షపునీటిని ఒడిసి పట్టాలన్నారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ కె.అశోక్ రెడ్డి, సివిల్ ఇంజనీరింగ్ డిపార్ట్మెంట్ ప్రధాన ఆచార్యులు ఎం.వీరా రెడ్డి, శ్రీధర్ తదితరులు పాల్గొన్నారు.

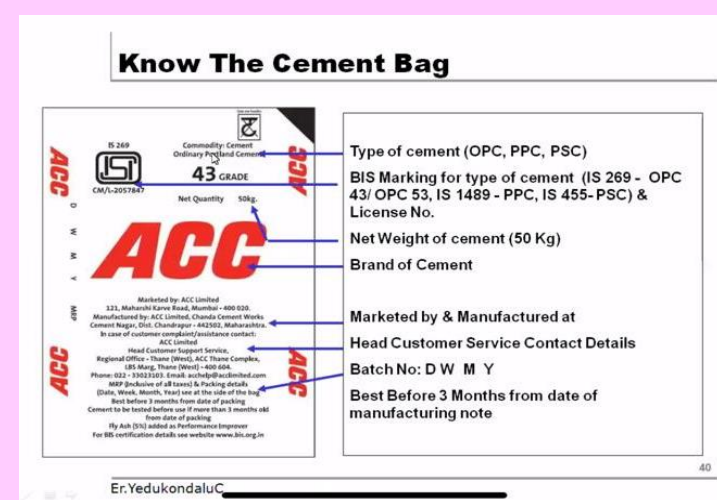
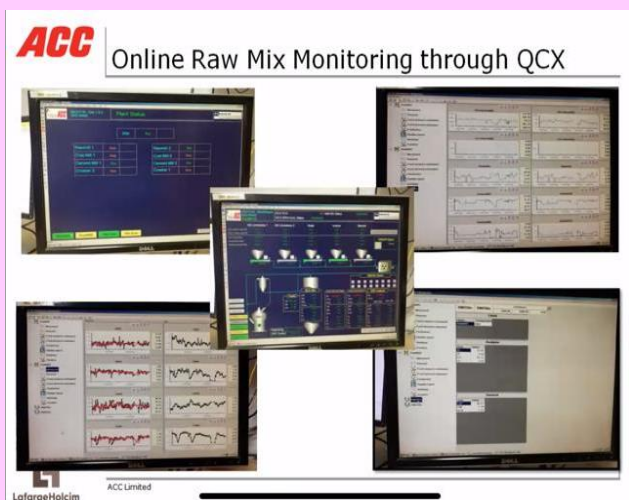
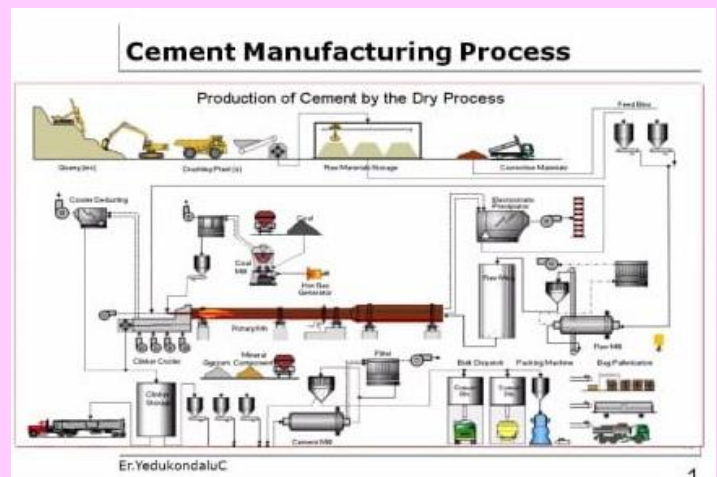
Webinar by Dr. Suraj jena, project manager, IIT-Bhubaneswar

News coverage in Eenadu News Paper (Print Media in Telugu)

CIVIL ENGINEERING ASSOCIATION ACTIVITIES

➤ GUEST LECTURE ON UNDERSTANDING CEMENT AND CONCRETE:

The guest lecture was all about “Understanding the cement and concrete”. The Speaker of the session was **Sri Er. C. Yedukondalu, DCE, B. Tech Civil, MS**. The speaker started the session at 6.00 p.m. explaining the history of cement. Later he explained about the geological classification of rocks that are used in process of manufacturing cement and preparation of concrete. He clarified the process of manufacturing cement and also various stages involved in the process of manufacturing cement. He also emphasized about the different types of cement grades which differ from the IS code to that of market availability and requirements. He explicated the identification and primary investigations that are to be done while any individual buys a cement bag from the market. He highlighted the grades of concrete that are presently in practice and those which are demanded in industrial purposes that are of high grades such as M80 & M100 that are already used for the construction of Hyderabad Metro and even the other industrial structures too. He enlightened the limitations of concrete grades their terms and conditions according to the IS code. He simplified the process of using concrete from the time of mix to the time it is set which also includes various aspects such as initial setting time, final setting time, casting and curing. Later he explained about the precautions that are to be taken at each and every stage of processing the concrete. The different types of cracks that occur in columns and beams. Then the session was followed by doubts clarification and the session was concluded at 7:00 p.m. All the attendees were very much excited as the topic depicts the situation of the present scenario.



Speaker Sri Er. C. Yedukondalu, explaining the concept of “Understanding Cement and Concrete” through Virtual Presentation

“THE PURPOSE OF OUR LIVES IS TO BE HAPPY”

– DALAI LAMA

Newsletter

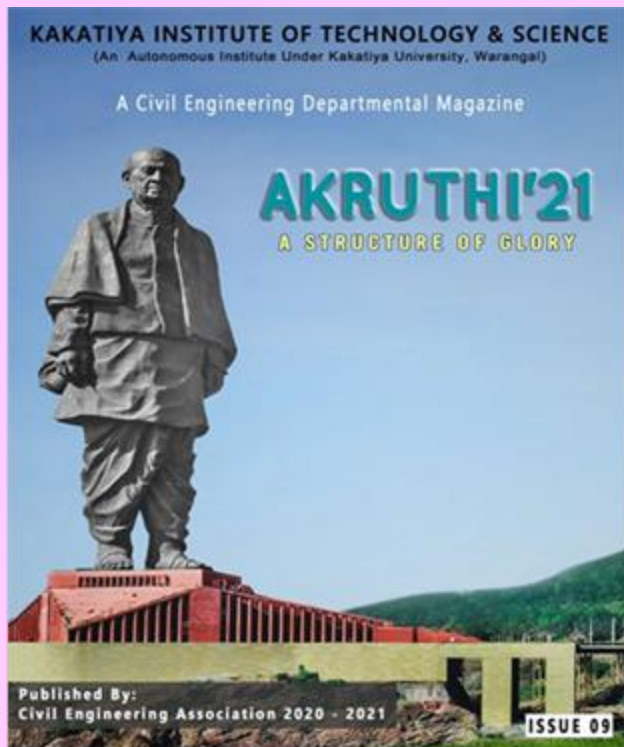


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Release of Magazine AKRUTHI'21

Akruthi- “The structure of glory” is an annual departmental magazine, which is an eloquent expression of the progress and outstanding achievements that the department had to its credits. It is a guide that highlights the quality of education, passion, excitement, fondness and struggle. Akruthi is a book pervaded with knowledge and achievements. Akruthi not only constrict to academics but also it makes a student to explore in different ways such as making of arts, drawings and writing poetries etc., Akruthi is a book that gives platform to students where they train themselves, gain skill and knowledge and make sure they are industry ready.



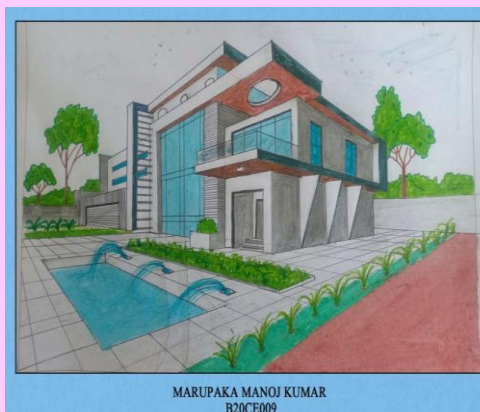
→ Cover page of AKRUTHI'21



WHAT'S INSIDE



Glimpses of Akruthi'21





STUDENTS ACHIEVEMENTS:

GATE-2021 QUALIFIERS:

Final year students B.Tech. Civil Engineering 2017-2021 batch have shown their brilliancy in achieving Gate Ranks. The following are the students who have accomplished the Gate Ranks in the year 2021.

PLACEMENTS OBTAINED:

Providing their excellences, students of final year B.Tech. 2017-2021 have gone through different placements on campus. The following are the students are placed in TCS, DXC Technologies, Cognizant, Accenture and Infosys.

L. Praneeth
GATE Rank : 3252

B. Varsha
GATE Rank : 3332

Md. Faiz Ahmed
GATE Rank : 4327

M. Rachana
GATE Rank : 7621

M. Balu
GATE Rank : 7621

P. Sahith Reddy
GATE Rank : 9838

P. Alekhya
GATE Rank : 18875

A. M. Sree Tej
DXC Technologies & Infosys

G. Shiva Kumar
DXC Technologies & TCS

T. Sahith
Infosys

M. Renuka
DXC Technologies

Sharjeel Afridi
TCS & Cognizant

K. B. Govardhan
Infosys

Farha Anjum
Cognizant

D. Sai Teja
Accenture

T. Naveen
Infosys

O. Rohith
TCS & Infosys

S. Dheeraj
Cognizant & Infosys

A. Srija
Infosys

COMPANIES THAT HIRED FINAL YEAR STUDENTS:

