



Learn Beyond

**KPR Institute of  
Engineering and  
Technology**

**(Autonomous, NAAC "A")**

**ASCE Student Chapter  
KPRIET**

Annual Report  
February 2022 – January 2023  
American Society of Civil Engineers Student Chapter  
India Section - Southern Region

# Contact Information



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Social media : <https://www.youtube.com/civilkpriet>  
<https://www.facebook.com/civilkpriet>  
<https://www.instagram.com/civilkpriet>

# ASCE Student Officers

ASCE STUDENT OFFICERS - 2022	ASCE STUDENT OFFICERS - 2023
<p>Mr FAHEEM AHMED A – III ‘B’ CIVIL PRESIDENT <a href="mailto:20ce106@kpriet.ac.in">20ce106@kpriet.ac.in</a></p>	<p>DHARANI KRISHNA N P – III ‘A’ CIVIL PRESIDENT <a href="mailto:20ce013@kpriet.ac.in">20ce013@kpriet.ac.in</a></p>
<p>Mr PRASANTH S – II ‘B’ CIVIL VICE PRESIDENT <a href="mailto:20ce051@kpriet.ac.in">20ce051@kpriet.ac.in</a></p>	<p>MANOBHARATH P – II ‘A’ CIVIL VICE PRESIDENT <a href="mailto:21ce058@kpriet.ac.in">21ce058@kpriet.ac.in</a></p>
<p>Ms SARANYA R – III ‘A’ CIVIL TREASURER <a href="mailto:19ce039@kpriet.ac.in">19ce039@kpriet.ac.in</a></p>	<p>THITHEASHWAR K K – II ‘B’ CIVIL TREASURER <a href="mailto:20ce107@kpriet.ac.in">20ce107@kpriet.ac.in</a></p>
<p>Ms SHIYAMALA R - II ‘B’ CIVIL CORRESPONDING SECRETARY <a href="mailto:20ce066@kpriet.ac.in">20ce066@kpriet.ac.in</a></p>	<p>CHANDRAGOWRI M J - III ‘A’ CIVIL CORRESPONDING SECRETARY <a href="mailto:20ce011@kpriet.ac.in">20ce011@kpriet.ac.in</a></p>
<p>Ms FATHIMATHUL FUHAIMA P P - II ‘A’ CIVIL RECORDING SECRETARY <a href="mailto:20ce016@kpriet.ac.in">20ce016@kpriet.ac.in</a></p>	<p>SIDDARTH S - III ‘B’ CIVIL RECORDING SECRETARY <a href="mailto:20ce068@kpriet.ac.in">20ce068@kpriet.ac.in</a></p>

# Advisors



**Dr. G. ANUSHA**  
**FACULTY ADVISOR**  
**PROFESSOR & HEAD**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**KPRIET, COIMBATORE, TAMILNADU**  
**INDIA**

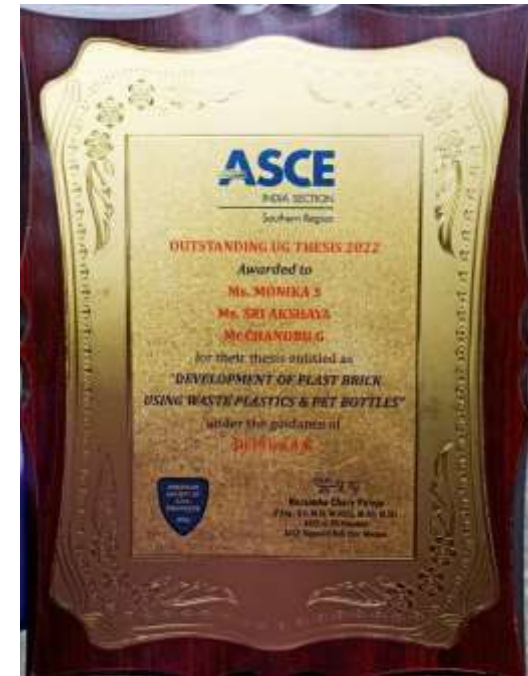


**Prof. (Retired) RAJAYOGAN**  
**PALANICHAMY**  
**PRACTITIONER ADVISOR**  
**PRESIDENT, ASCE INDIA SECTION**  
**VIRUDHUNAGAR, TAMILNADU**  
**INDIA**



**Er. L. BALAJI M.E., F.I.E., F.I.V., LLB.,**  
**PRACTITIONER ADVISOR,**  
**INTERNATIONAL PROFESSIONAL**  
**ENGINEER, CHARTERED ENGINEER**  
**& GOVT REGISTERED VALUER,**  
**BALAJI & ASSOCIATES.**  
**MADURAI, INDIA**

# KPRIET Proposed ASCE Student Chapter Recognition



- Siddarth S, III year from Department of Civil Engineering, KPR Institute of Engineering and Technology, received Honorable mention award in the “Three Minutes Failure case studies competition”, A International Level Technical Event Organized by ASCE.
- Monika S (Batch 2018-22), from Department of Civil Engineering, KPR Institute of Engineering and Technology, received outstanding UG thesis award 2022, Organized by ASCE IS SR

# Mission Statement

“At KPRIET - The American Society of Civil Engineers Student Chapter (ASCE) is a student organization that reinforces the life of civil engineering students through technical events and industrial interactions.”



# Goals

- To make all students to join the ASCE Student Chapter and thereby create opportunities for them to connect with the civil engineering community around the world
- To provide a platform wherein students develop their skills and knowledge by organizing programs like industrial lectures, field trips , conferences etc
- Equip members to take up community service projects to benefit the society



# PLANNING MEETING WITH ALL MEMBERS

Conducted on 18.02.2022

- Proposed ASCE Student Chapter of KPRIET, has conducted the meeting for students regarding upcoming events and members are motivated to participate in competitions.
- Student members are invited to present their suggestions on the scheduled upcoming events.
- Importance of developing leadership skills and public relationship skills among the students is delivered.





# ICI SPONSORED SEMINAR

CONCRETE AND COMMON SENSE – 26.02.2022



Dr. A. Sudhakar, M.E, Ph.D, CEO – Dimensions, President – Indian Concrete Institute, Coimbatore Chapter addressed the gathering on work flow in construction projects, effective use of concrete and the challenges in practice, thrust areas, application of Indian Standard codes, innovative approaches in concrete technology and opportunities for civil engineers. And He cleared the doubts raised by the students.

KPR Institute of Engineering and Technology  
Learn Beyond (Autonomous, NAAC 'A')  
Avinashi Road, Arasur, Coimbatore.

Department of Civil Engineering

Lecture Series II  
(Industry)  
**Concrete and Common sense**

**Resource Person**  
Dr. A. Sudhakar, M.E, Ph.D  
CEO - DIMENSIONS  
President - Indian Concrete Institute  
Coimbatore Chapter

Date : 26.02.2022 Time : 09.00 AM Venue : Thanam Hall

Student Coordinators  
Ms. N. Nivashini Ms. J. A. Yashmitha

Ms. N. Nivashini Ms. J. A. Yashmitha



# ACCE CEMENT AND ACI SPONSORED WEBINAR

## RECENT ADVANCEMENT IN CIVIL ENGINEERING – 01.03.2022

The program was organized by Department of Civil Engineering in association with the ACCE(I) Association of Consulting Civil Engineers (India), Coimbatore and (ACI) American Concrete Institute having **Er. J. Premkumar Principal Consultant- INFINUSTECH, Chairman- Association of Consulting** as resource person. He explained clearly about the recent technologies to be used in the construction industries in future with suitable case studies.



KPR Institute of Engineering and Technology  
Learn Beyond (Autonomous, NAAC 'A')  
Avinashi Road, Arasur, Coimbatore.

Department of Civil Engineering

ACI  
American Concrete Institute

Lecture Series III  
(Industry)  
**Recent Advancements in Civil Engineering**

**Resource Person**  
Er. J. Premkumar  
Principal Consultant- INFINUSTECH  
Chairman - Association of Consulting  
Civil Engineers (India), ACCE(I)  
Coimbatore Centre

01.03.2022  
02:00 PM

RAAGAM HALL

Student Coordinators  
Ms. R. Narmadha Ms. R. Saranya

KPRIETonline



KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India

# IEI SPONSORED WEBINAR

Corrosion Behaviour of Steel Reinforcement in Concrete– 11.03.2022

Dr. J. Daniel Ronald Joseph, Senior Scientist, Corrosion and Materials Protection Division, CSIR - Central Electrochemical Research Institute (CECRI) explained about specific design tools and preventative techniques for the prevention of steel corrosion. He explained about the corrosion mechanism, resistivity methods, Electro chemistry and polarization techniques.



The poster features logos for The Institution of Engineers (India) Coimbatore Local Centre and KPR Institute of Engineering and Technology. It lists the organizing department and the webinar title. A portrait of Dr. J. Daniel Ronald Joseph is shown, along with his title and affiliation. Contact information for the Chairman and Honorary Secretary is provided at the bottom.

**The Institution of Engineers (India)**  
Coimbatore Local Centre  
In association with  
**Department of Civil Engineering**  
**KPR Institute of Engineering and Technology, Coimbatore**  
Organizes  
A Technical Webinar on  
"Corrosion Behavior of Steel Reinforcement in Concrete"  
  
by  
**Dr J Daniel Ronald Joseph**  
Senior Scientist  
Corrosion and Materials Protection Division  
CSIR - Central Electrochemical Research Institute (CECRI)  
Karaikudi  
on 11<sup>th</sup> March 2022 (Friday), 03.00 PM  
Dr S Shanmugam FIE  
Chairman  
All are Cordially Invited  
<https://meet.google.com/hj-wee7-vvv>  
Dr J Krishnamoorthi FIE  
Honorary Secretary

The screenshot shows a Zoom meeting interface. The main window displays a slide with the same title and speaker information as the poster. A grid of participant avatars is visible on the right, including NITHISHWAR S N S, HOD\_CIVIL KPR, Dr Shanmugam S, AK PRIYA KPR, thirumalimuthu..., Ronald James, Swethika Muruges..., 38 others, and You. The bottom status bar shows the time as 3:10 PM and the meeting ID.

Ronald James is presenting

**Corrosion Behaviour of Steel Reinforcement in Concrete**  
J. Daniel Ronald Joseph, Ph.D., MIE.  
Senior Scientist  
Corrosion and Materials Protection Division  
CSIR - Central Electrochemical Research Institute (CECRI), Karaikudi, Tamilnadu.

3:10 PM | IE(I) CLC - A Technical Webinar on "CorrosL

# EXPERT TALK

## CIVIL ENGINEERING CONCLAVE 15.03.2022



**Dr. V. K. Raina** who has been a team leader in the multi billion **USD highways & bridges projects in the Middle East for than 10 years in the UN team of experts** has delivered an expert talk on “Development of the Bridge-Form Globally over the Past 35 Centuries”. He has enlightened the gathering through his efficacious, informative and thought-provoking speech about historical revolution in Bridge Engineering.. He has also actively interacted with students, members of faculty and participants.



# SOCIAL FUNCTION

## INDUSTRY CONCLAVE 23.03.2022

Industry Conclave 2022 Organized by the Department of Civil Engineering of KPR Institute of Engineering and Technology took place at Raagam hall in the college premises with **Dr. PSK. R. Periasamy, the chairman of PSK group of Institutions, Namakkal** as the special guest. The conclave was marked with the presence and participation of 30 eminent managing directors and Association heads like BIA COCENA and 18 construction companies who were felicitated and honoured with mementos by the KPR Institute of Engineering and Technology.



# NATIONAL LEVEL TECHNICAL SYMPOSIUM

**CIVISTRA 2022– 25.03.2022**



The Workshop on “Sketchup” and Seminar on “Career Guidance” was conducted to the students in the morning session after inauguration. **Mr. M. Ram Vivekananthan, Draftsman, BIM-COE** demonstrated about the sketchup software. **Mr. A. Vasudev, Trainer, KPR Civil Academy** educated the students about the opportunities of Civil Engineers in public and private sectors.

In the afternoon session, the events like Tech connect, Code Cracking, Cadd Contest, gully cricket and Spot events were conducted.



# PLANNING MEETING

WORKSHOP - 01.04.2022

- Student leaders are motivated to increase the members of the team
- Student members are encouraged to participate in the conference competitions
- Student leaders are asked to conduct the Industry Expert talk, Conferences and Guest Lecture effectively for the upcoming events.
- Student leaders are asked to explore the possibilities of industry internships and placements



KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India

# PLANNING MEETING

Conducted on 06.05.2022

Proposed ASCE Student chapter of Department of Civil Engineering, KPR Institute of Engineering and Technology organized meeting for the academic year 2021-2022 on 06.05.2022. Student members were appreciated for their effective conduction of scheduled events and their participants in various conferences , social functions and community projects by faculty advisor Dr. G. Anusha, Professor & Head/Civil.





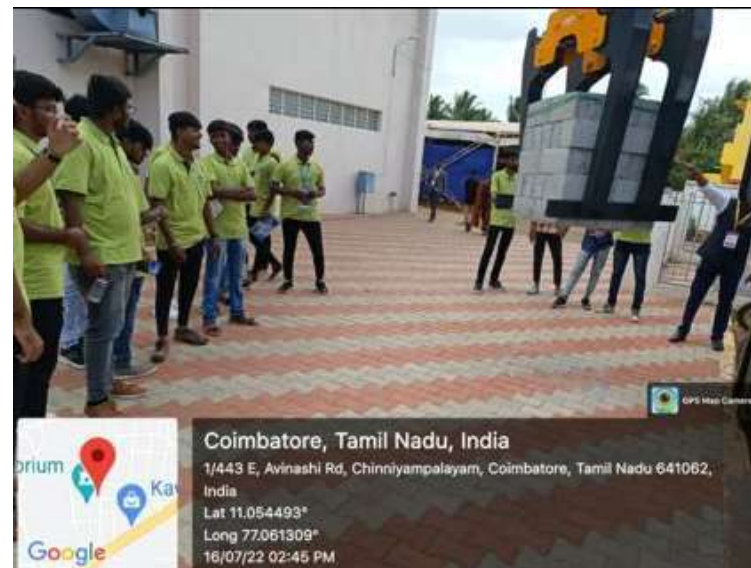
# FIELD TRIP

## VISIT TO BUILD EXPO BY CNI - 16.07.2022

The Department of Civil Engineering arranged a visit to build expo'22 organized by CNI (Construction Network of India) at Brindhavan hall, Coimbatore on 16.07.2022.

### OBJECTIVES:

1. The main objective of this visit is to understand the different components of building construction materials available in the market.
2. To learn and understand the materials that are used in construction.



# INDUSTRY EXPERT TALK

CNI – 22.07.2022

**Er. C. Satchithananda Moorthy, Proprietor, Silent Valley Construction** spoke to the students about the various fields in the construction industry, such as civil contractor, LBS, bank valuer, digital surveyor, soil investigator, real estate developer, demolishing contractor, equipment supplier, interior work, material manufacturer, and gypsum plastering contractor, among others. Along with his prior experiences, he also clearly defined the first financial requirement for the start-up in each of the aforementioned disciplines.



The poster features the KPR Institute of Engineering and Technology logo at the top left, with the tagline 'Learn Beyond' and '(Autonomous, NAAC "A")'. To the right is the Department of Civil Engineering logo with the motto 'Born to Build'. The central focus is the CNI (Construction Network of India) logo and the title 'INDUSTRY EXPERT TALK'. A circular portrait of the resource person, Er. C. Satchithananda Moorthy M.E.(Struct), is shown. Below the portrait, his name and title are listed. The convener, Dr. G. Anusha HOD/Civil, and coordinators, Dr. S. Karmani A.P./Civil and Mr. P. Kalaiyandhan A.P./Civil, are also mentioned. At the bottom, there are logos for Sustainable Development Goals, a 'Good Place To Learn' award, and the event details: 22-07-2022 at 11:00 AM in Thanam Hall.



# EXPERT TALK

## ORIENTATION PROGRAM ON ASCE STUDENT CHAPTER – 30.07.2022

Mr. Narsimha Chary Poloju, President, ASCE India Section, Southern Region, addressed the students on the various opportunities available to enhance the knowledge and skills of the students through ASCE Student Chapter. Mr. Narsimha Chary Poloju focused on the skills to be developed by the students to win the competitions. He also shared the scholarship schemes & awards provided from ASCE. Finally he interacted with students and cleared their doubts.



KPR Institute of Engineering and Technology  
WASHTON BY ASCE  
Great Place to Work  
Certified

Orientation Programme on  
ASCE (American Society of Civil Engineers)  
STUDENTS CHAPTER (Online)

**Chief Guest**  
Mr. Narsimha Chary Poloju  
P.Eng., B.E., M.GI, M.ASCE, M.AEI, M.SEI  
ASCE India Section Southern Region President  
ASCE Region 10 Board of Governor's Corr. Member

Student Co-ordinators  
Mr. A. Falaem Ahmed  
Mr. S. Prasanth

Date : 30.07.2022  
Time : 3.00 pm  
Venue : Tharom Hall

kpriet.ac.in  
G/KPRIETonline



# PLANNING MEETING

Conducted on 08.08.2022

ASCE Student chapter of Department of Civil Engineering, KPR Institute of Engineering and Technology organized planning meeting for the academic year 2022-2023 on 08.08.2022. Announced students regarding the establishment of ASCE Student chapter in our Institute. Student officers and office bearers for the academic year were selected after brief introduction of ASCE Student chapter in the classes and Students are motivated to participate in the various conferences , social functions and community projects by faculty advisor Dr. G. Anusha, Professor & Head/Civil. Student officers are asked to prepare the event schedule for the academic year 2022-2023.



# INDUSTRY EXPERT TALK

FUTURE SURVEYING TECHNIQUES – 10.08.2022

The session was organized by Department of Civil Engineering in association with the ACCE(I), Coimbatore. **Er. T. Thilak Ranjith, Partner, Land Coordinate Technology, Chennai** member - ACCE(I) explained clearly about the recent surveying technologies used to perform surveying works and also future technology with suitable case studies. This event enhanced the knowledge of Civil Engineering students and will help to upgrade themselves. Resource person also clarified the doubts raised by the students and interacted with them.



KPR Institute of Engineering and Technology  
Department of Civil Engineering  
Great Place to Work. Certified

Industry Lecture  
On  
ADVANCEMENT IN SURVEYING TECHNIQUES

RESOURCE PERSON

 **Er. T. Thilak Ranjith**  
Partner  
Land Coordinate Technology  
Chennai

10.08.2022 11 AM to 12.30 PM Thanam Hall

Coordinators :  
Mr. P. R. Shajal / B. Gali  
Mr. K. C. Anus Avard / B. Gali

Convenors :  
Mr. S. Sivangy APISr/IOE  
Mr. S. Arambraj APISr/IOE



KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India

# INDUSTRY EXPERT TALK

GUEST LECTURE ON CONSTRUCTION PROJECT MANAGEMENT – 24.08.2022

Dr. S. Jayachandran, Vice President, Marudham Group addressed the gathering on various Job opportunities in Construction Project Management sector. And He explained about them to the various roles of a construction project manager with real time case studies. In his presentation he addressed about all the major facets of **construction Project management** including Project initiation and planning, scheduling techniques, organizing methods, controlling process and Resource allocation



# ICI SPONSORED STUDENT CONFERENCE

## CONCRETE MARATHON 2022– 07.09.2022

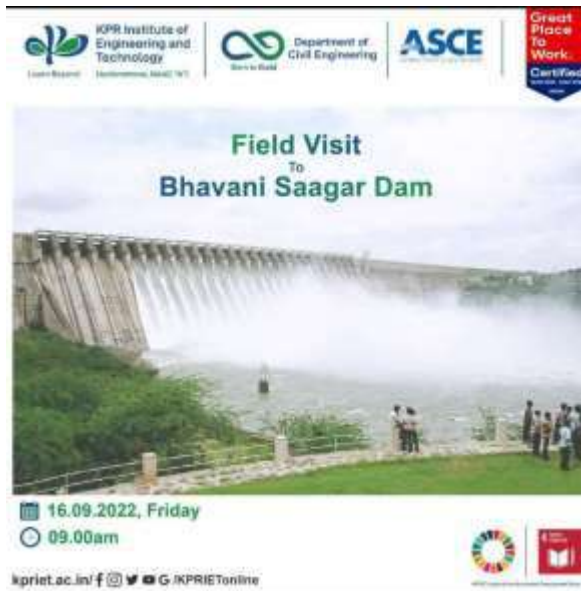
A variety of activities including technical paper presentations, poster presentations, code cracking, and connections were held. More than 170+ participants from various institutions took part in the event. External participants actively took part into the events and participated. In the valedictory function, prizes were given out to the winners.



# FIELD TRIP

## FIELD VISIT TO BHAVANISAGAR DAM - 16.09.2022

Students from III year civil visited the dam. The water is fed into the Bhavani river known as Upper Bhavani. The eastern catchment area includes the Upper Bhavani, Avalanche and Emerald lakes, Kundha, Gedhai, Pillur and Nellithurai. Students were able to understand the types of dams mainly about the earthen dam. Assistant Engineer explained students about the spillways and types of spillways. A field trip to Dam was arranged with an aim to make learning experience more powerful and impactful.





# PLANNING MEETING

Conducted on 26.09.2022

- ASCE Student Chapter of KPRIET organized a planning meeting and presentation session for community service projects
- Student members involved in the community service projects were reviewed by the faculty members of department of civil engineering and Faculty Advisor and Head/Civil Engineering Dr. G. Anusha.
- Smart Irrigation System, Implementation of AI based Smart Rain gauge in Rural Village were the two project ideas selected for the further development.



# IEI SPONSORED SEMINAR

ALL INDIA SEMINAR ON “ADVANCES IN HAZARDOUS WASTE MANAGEMENT TECHNOLOGY” – 29.09.2022 & 30.09.2022

The first Technical session started at 10:00 am and was on “Ewaste Entrepreneurship and Sustainability” **Mr. Prasanth Omanakuttan**. The speaker shared his experiences in developing a new start-up company and the challenges faced in developing waste management. The second Technical session commenced at 11:15 pm delivered by **Dr. G. Anusha, Professor and Head, Department of Civil Engineering, KPRIET** shared her expertise on ‘Hazardous Waste Management’. The Third Technical session commenced at 02:00 pm delivered by **Dr M Kaarthik, Assistant Professor, Department of Civil Engineering, Coimbatore Institute of Tech., Coimbatore** shared his views on ‘Waste to wealth’. He presented about the recent technologies in waste recycling and recover. This was followed by paper presentation – Technical Session IV where 4 papers were presented.



The Institution of Engineers (India)  
Coimbatore Local Centre



in association with

Department of Civil Engineering  
KPR Institute of Engineering and Technology  
Coimbatore

Cordially invites you for

All India Seminar

on

Advances in Hazardous Waste Management Technology

29th & 30th Sept 2022



Mr. Prasanth Omanakuttan  
Managing Partner  
Green Era Recyclers, Coimbatore



Dr. M. Kaarthik  
Assistant Professor  
CIT, Coimbatore



Dr. M. Ibrahim Bathusha  
Professor (CAS)  
PSG Tech, Coimbatore



Dr. G. Anusha  
Professor & Head / Civil  
KPRIET, Coimbatore



Dr. S. Balasubramanian  
Professor & Head / Chemical  
KPRIET, Coimbatore

Dr S Shanmugam FIE  
Chairman

Venue : Thanam Hall  
Time : 09.00 AM - 04.00 PM

Dr J Krishnamoorthi FIE  
Honorary Secretary



/KPRIETonline

KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India

# IEI SPONSORED SEMINAR

ALL INDIA SEMINAR ON “ADVANCES IN HAZARDOUS WASTE MANAGEMENT TECHNOLOGY” – 29.09.2022 & 30.09.2022



Session V on “Urban Waste Management” commenced at 09.30 AM delivered by **Dr. M Ibrahim Bathusha, Professor(CAS), PSG College of Technology, Coimbatore**. He elaborated on the development of urban waste Management and its development. **In Session VI, 4 papers were presented.** Session VII on “Solid Waste Management” commenced at 02.00 PM delivered by **Dr. S Subramanian, Professor & Head, Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore**. He elaborated on the development of waste Management and its development. **This was followed by paper presentation – Technical Session VIII where 2 papers were presented.**



KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India

# EXPERT TALK

INTRODUCTION TO ONLINE RCC BUILDING DESIGN SOFTWARE: MVDAD – 08.10.2022

The Guest Speaker **Mr. B. P. Karamchandani, MvDAD Software Developer, Maharashtra**, handled the session for students through Google Meet. He explained about the online RCC Building Structural Design Software: MvDAD, in which any layman can just select the 12 data from the drop-down box, upload the Centre Line Plan with Column Location, and lastly, enter only the Bearing Capacity of Soil. The software is a 5 in 1 process which includes analysis, design, drawing, step-by-step calculations, bill of quantities, cement, and steel reinforcement.



The poster features logos for KPR Institute of Engineering and Technology, ASCE, and a 'Great Place to Work' award. The text reads: 'Webinar on Introduction to Online RCC Building Structural Design Software: MvDAD'. It includes a portrait of the guest speaker, Mr. B.P. Karamchandani, MvDAD Software Developer, Maharashtra. The event details are: Date: 08.10.2022, Time: 2:00 PM, Venue: NMS Lab. Student coordinators are listed as Mr. A. Shalini Krishna, II CE - KPRIET and Ms. P. Supriya, IV CE - Amrita School of Engineering.



# EXPERT TALK

IRRIGATION ENGINEERING – 15.10.2022

Dr. S. Punitha, Assistant Professor, MIT College of Agriculture and Technology Trichy, explained students about the concept of the works involved in irrigation engineering may **oversee the installation of pipelines and sprinklers or be involved in directing water from dams, canals and rivers** and the work is done in the field to evaluate terrain, soil and climatic characteristics to optimize the use of water for lawns and agricultural crops. She also shared his knowledge in crop management, types of canal and type of dam in Tamilnadu.



KPRI Institute of Engineering and Technology  
Learn Beyond | Autonomous, NAAC 'A'

Department of Civil Engineering  
Here to Build

Great Place to Work  
Certified

Guest Lecture  
on  
**Irrigation Engineering**



Dr. S. Punitha, M.Sc.(Agri.), Ph.D.  
Assist.Professor(Crop Physiology)  
Department of Crop Management  
MIT College of Agriculture and Technology  
Musiri, Trichy

15.10.2022, Saturday  
11.00 AM  
CE B Classroom

ISO 9001:2015  
ISO 14001:2015



# STUDENT CONFERENCE

MINIATURE BY US – 19.10.2022

The event comprises of Technical and non technical events including a scale down model making competition, paper presentation, Bridge modelling, CAD contest and non technical events on Reels, Start Music, Connections. The external participants had presented their technical paper presentation on recent advancements and innovation in construction. The overall outcome of the event was to educate the importance of sustainable practice in construction which relies up on materials used, method of construction, innovation in practice and creative thinking.

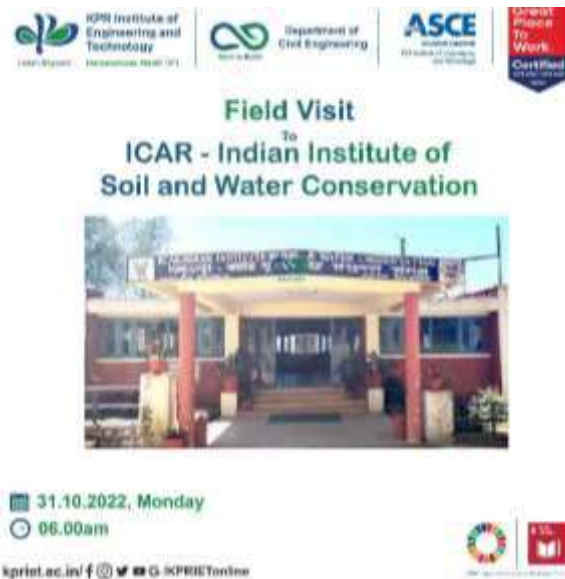


KPR Institute of Engineering and Technology  
Department of Civil Engineering  
CNR  
National Level  
scale down model making competition  
**MINIATURE**  
BY US  
October 19  
Technical Events  
▶ Bridge Building  
▶ Paper Presentation  
▶ CAD Contest  
Non -Technical Events  
▶ Connection  
▶ Reels  
▶ Start Music  
Registration Fees  
Rs. 200/-  
Win Cash Prizes  
upto Rs. 10,000/-  
<https://forms.gle/la5eriuQxX220F48>  
Student Coordinators:  
Sidarth S - 994322623  
Shanmugan - 900381987  
kpriet.ac.in/ | kpriet.org | kpriet.in

# FIELD VISIT

FEILD VISIT INDIAN INSTITUTE OF SOIL AND WATER CONSERVATION– 31.10.2022

The Principal Scientist from ICAR explained students about ICAR and its functions all over the world. The Institute and Research Centers have focused on evolving strategies for controlling land degradation following watershed approach, tackling special problems such as ravines, landslides, mine spoils and torrents, demonstration of technologies for popularization and imparting training besides developing technologies for water harvesting , Saving, and recycling.



The poster features logos for KPR Institute of Engineering and Technology, Department of Civil Engineering, ASCE, and a 'Project To Work' badge. The text reads: 'Field Visit To ICAR - Indian Institute of Soil and Water Conservation'. Below the text is a photo of the ICAR building. At the bottom, it specifies the date '31.10.2022, Monday' and time '06.00am', along with social media links for KPRIET.



KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India

# EXPERT TALK

## INTERACTION WITH RAIN MAN – 23.11.2022



Dr. S. R. Ramanan advised the students to have a dream and asked them to work hard for making it true. He explained the various flood prediction methods & software used in the meteorological department. He also explained the importance of news channels to reach the public the most. And he addressed the students on the opportunities available for civil engineering students in the meteorological department. Students actively took part in the session and cleared their doubts about climatic action and other queries about meteorological department.



KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India



# NATIONAL LEVEL COMPETITIONS

QUIZ ON IS456-2000 : 27.08.2022 & MIX DESIGN CONTEST : 28.10.2022



For the IS 456-2000 National Level Quiz Competition, 255 people signed up in total. 229 of the registrations were from Tamil Nadu, and the remaining 26 came from Karnataka, Assam, Uttar Pradesh, and Andhra Pradesh. Out of 255 registrations, 72 turned up to participate in the competition. The competition has attracted 59 students from various.

**Mr. Avinash Kumar Reddy N from Dr. YSR Architecture and Fine Arts University, Karnataka secured first prize**

For National Level Mix Design Contest on Special Concrete, 10 participants from various institutions participated. 6 participants from SSM Institute of Engineering and Technology, Dindigul, 2 participants from Government College of Engineering - Erode (IRTT), 1 from PSG Institute of Technology and Applied Research, and 1 from St.vincent pallotti college of engineering and technology, Maharashtra.

**Sathyashree V from PSG Institute of Technology and Applied Research (Psg Itech) secured first prize.**



# COMMUNITY SERVICES



Free eye camp by Aravind Eye Hospital,  
Coimbatore on 27<sup>th</sup> August 2022



Road Safety Awareness Program at Government  
Higher School, Vagarayampalayam on 26/07/2022

# COMMUNITY SERVICES



Students of KPRIET painted a block consisting of six class rooms in Govt Hr Sec School, Somanur on 08/01/2023



Students of Kongu kalvi nilayam School, Avinashi have given Career guidance & mental health awareness on 28/01/2023

# SPECIAL PROJECT

## 1. AIRBORNE WIND TURBINE

### Goals, objectives

The main objective of our idea is to harness the strong high-altitude winds, for the purpose of generating the electricity. Our plan is to develop a airborne wind turbine to float on top of the buildings with the help of Inflatable balloons

### Project impact

With the aid of this newly developed levitating Airborne wind turbine (AVT), military outposts will be provided with electricity. Additionally, because the AWT is designed to float in high altitudes, it may also be used as a surveillance tool when equipped with a camera

### Participation

- Team Members : Mr.S.Vinoth, Ap/Civil, Thitheashwar K, Vasanthan S, Vinumitra G, Srinithi S
- Duration : Two months



# SPECIAL PROJECT

## 2. SMART IRRIGATION SYSTEM

### Goals, objectives

- The main objective of the proposed irrigation system is to supply the required amount of water through drip irrigation and it helps in reducing the wastage of water. If we implement this idea in a large scale we can control and reduce carbon and harmful gases in the atmosphere by using Aloe Vera plant.

### Project impact

- Nowadays we are facing numerous problems like carbon emission, global warming, Vehicular pollution etc., due to these problems we face lot of issues like change in temperature, change in climate and abundant level of carbon dioxide in atmosphere. In order to reduce and to control these problems we have implement a smart solution “ Smart irrigation and Roof gardening system” in a large scale.



### Participation

Team Members : Ms. K. Dhivya, Ap/Civil & team

Duration : One month

# SPECIAL PROJECT

## 3. SMART ONION STORAGE SYSTEM

### Goals, objectives

- This research project aims to analyse the effect of volatile atmospheric conditions such as temperature and relative humidity (RH) on onion cultivation and provide an early alert to maintain a favourable environment for better yielding of onions by using a smart farming system.

### Project impact

- The long shelf life of onions is of high importance in the onion industry. Several factors determine the shelf life and storability of onions, e.g., the cultivar, growing conditions.
- Onion cultivation is affected by changes in climatic conditions. The climatic parameters such as temperature and relative humidity (RR) will directly or indirectly affect the quality of the onion produced.



### Participation

Team Members : Mrs.B.S.Meenakshi, Ap/Civil & team

Duration : One month

# SPECIAL PROJECT

## 4. SMART RAIN GAUGE

### Goals, objectives

- To measure the rainwater level frequently (everyday) and show a complete rainfall analysis all over an area.

### Project impact

- Rain gauges aren't mostly placed in uninhabited areas, so the amount of rainfall in these areas goes unmeasured. Even if they are measured, it doesn't happen frequently.
- Our team has identified this problem and have come up with a simple yet effective solution. This project aims at developing a Sensor based Rain Gauge so we don't need to manually measure the rain gauge.



### Participation

Team Members : Mrs.B.S.Meenakshi, Ap/Civil & team  
Duration : One month

# Questions?

## What were the most significant events of the year?

- Successful social gatherings and community services
- Winner in Outstanding UG Thesis competition conducted by ASCE IS SR
- Received Honorable mention award in the “Three Minutes Failure case studies competition conducted by ASCE
- Organized an international expert talk on “Development of the Bridge-Form Globally over the Past 35 Centuries” by Dr. V. K. Raina

## What were the most significant challenges?

- Transition in the mode of events from virtual to physical
- Performance of students after COVID19

## Future plans?

- Conducting ASCE IS Student symposium 2023 in KPRIET on March 28 & 29