

# ASTHRA

October 2023



The Newsletter of  
**Department of  
Civil Engineering**



Learn Beyond

KPR Institute of  
Engineering and  
Technology

(Autonomous, NAAC "A")

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## IN THIS ISSUE



## About KPRIET

KPR Institute of Engineering and Technology (KPRIET), founded by Dr. K. P. Ramasamy, stands out as a leading institute of academic excellence by imparting technical, intellectual, and professional skills to students. The institute, with its diverse and energetic community of students offers a distinguishing blend of some of the premium graduate, undergraduate and research programs, talented faculty, world class amenities and a residential campus set on a sprawling 150 acres of lush green campus.

While students at KPRIET immerse themselves in academics, the institute has a lot in store for them outside the classroom. Student life includes participation in sports, co-curricular activities and cultural. In short, at KPRIET, students will find an academic and social environment where everyone—from faculty members to peer’s support shape their future.

KPRIET is a home to artistically designed buildings with state of the-art computer and internet facilities, modern workshops, seminar halls, auditoriums and well stocked libraries, sports and games fields in addition to an indoor badminton court and gymnasium.

KPRIET has a faculty strength of 227 with a faculty student ratio of 1:15. Out of the total, 97 faculty members PhDs. and 102 are in the process of completing their PhDs. As an exemplary institution of learning, KPRIET follows an admission policy that strongly favours merit, even as it enables access to education for students from all strata of society through appropriate scholarships

### **Vision of the Institute**

To become a premier institute of academic excellence by imparting technical, intellectual and professional skills to students for meeting the diverse needs of industry, society, the nation and the world at large

### **Mission of the Institute**

- Commitment to offer value-based education and enhancement of practical skills
- Continuous assessment of teaching and learning processes through scholarly activities
- Enriching research and innovation activities in collaboration with industry and institutes of repute
- Ensuring the academic processes to uphold culture, ethics, and social responsibilities

## About the Department

The Department of Civil Engineering of KPR Institute of Engineering and Technology, Coimbatore was established in the year 2009. The Department has been elevated to its next pedestal by offering PG in Structural Engineering in the year 2014. The Department has been recognized as a Research Centre for pursuing Ph. D. in Civil Engineering by Anna University. It has been accredited by NBA, New Delhi.

The Department also provides an opportunity for students in improving practical knowledge in the field of Civil Engineering and Software skills like AutoCAD, STAAD Pro, ETabs, SketchUp, Arc GIS, 3ds MAX and Revit Architecture through Building Information Modelling – Centre of Excellence, KPR Infra (start-up by students) and Learn-it (Masonry Yard), in addition to Communication and Presentation skills. The students must undergo Industrial Training and Industrial Visit to facilitate them to take up industrial live projects to understand the field constraints. KPR Civil Academy has been established to facilitate the students to take up the training for competitive exams.

The Department of Civil Engineering as well as faculty members has lifetime membership in various Professional Societies like ICI, IGS, IEI, ISTE, IPA and BAI. The Department of Civil Engineering has various Students Chapter like ACI, IGS, IEI, ICI, ISTE to gain knowledge through various programmes conducted by these bodies across the Nation.

## Vision of the Department

To develop competent Civil Engineers to create infrastructure with technology in demand that leads to nation building.

## Mission of the Department

- Provide holistic education to students to enhance technical knowledge and skills
- Indoctrinate augmented contents to meet the requirements of stakeholders
- Promote research and consultancy activities in collaboration with industries
- Foster ethical and moral values with leadership qualities

## Programme Organised

### CAD Contest

**Date: 13.10.2023**

The Department of Civil Engineering at KPR Institute of Engineering and Technology organized a CADD contest on October 13, 2023. The contest was open to students from all engineering colleges in Tamil Nadu. A total of 76 students participated in the contest. The participants were given a set of requirements for designing a building. They were required to draw the building plans using CADD software. The participants were also required to be creative in developing basic and advanced amenities in the construction sector. The contest was judged by a panel of experts from the construction industry.



## Career Counselling Program to URC Palaniyammal Matric Hr Sec School

**Date: 14.10.2023**

A highly engaging Career Counseling Program was conducted on October 14th, 2023, at 10:00 AM for the students of U.R.C. Palaniammal Matric Hr. Sec. School, Erode. The event was organized by the Department of Civil Engineering in collaboration with the Office of Admissions at Kalaiarangam. Dr. Babu Rangarajan, a clinical psychologist with expertise in career counseling, was the esteemed resource person for the event. The program aimed to provide valuable insights to students and help them explore diverse career paths. It was an opportunity for the students to gain guidance from an expert in the field.



## Donation and Erection of Solar Lights

**Date: 14.10.2023**

UBA scheme of KPR Institute of Engineering and Technology has donated and erected solar street lights in Kollupalayam adopted village under the theme of Technology Implementation- Renewable Energy on October 14, 2023 as it will benefit the villagers in many ways. Solar street lights are a sustainable and renewable source of energy. They do not produce any emissions, and they can help to reduce the village's carbon footprint and solar street lights are cost-effective.



## Expert Talk on “Entrepreneurial and Business Management”

**Date: 14.10.2023**

The event aimed to provide attendees with a deeper understanding of entrepreneurship, business management principles, and the opportunities and challenges present in the contemporary business landscape. The event commenced with a warm welcome and introduction by Mrs.P.Indhiradevi, Faculty Coordinator. The guest speaker, **Ms. Prasanna Rahini**, Parter and COO, then took the stage and began the lecture. The lecture covered the following key topics: Fundamentals of entrepreneurship and the entrepreneurial mindset.



## **“Foundation for Future Builders: A Student Development Program in Civil Engineering”**

**Date: 06.10.2023**

The workshop was designed to help students learn about the latest trends and developments in the civil engineering industry, and to develop the skills they need to be successful in their careers. The workshop covered a variety of topics, including the civil engineering profession, civil engineering software, design principles, construction practices, professional development, and leadership development.



## **“Smart Construction ICI – Webinar Series 2”**

**Date: 09.10.2023**

The Department of Civil Engineering in association with ICI Student Chapter organised a hands-on session on structural analysis using ETABS software on October 9, 2023, as part of the Smart Construction webinar series conducted for final year students. The session was led by Er. S Sabarishkumar, Managing Director of SK Structural Firm. The session began with an overview of ETABS software and its applications in structural engineering. Er. Sabarishkumar then demonstrated how to use ETABS software to model, load, and analyze a simple building structure. Participants then had the opportunity to practice using ETABS software on their own laptops.



## **“Scope for a Civil Engineer in Quality Control and Quality Assurance”**

**Date: 13.10.2023**

The scope for civil engineers in quality control and quality assurance is broad and continually evolving, with increasing emphasis on sustainability, technology, and the integration of quality processes into the overall project lifecycle. It is a critical aspect of civil engineering that ensures the safety, durability, and compliance of infrastructure projects, making it an essential and rewarding career path within the field. Department of Civil Engineering organized a session for second year students on the topic 'Scope for a Civil Engineer in Quality Control and Quality Assurance' at Experience Engineering through online mode. Resource person was Er. Arunkumar Shanmugam, Sr. QA/QC Engineer, Dorsch Groupe, Qatar. From the beginning resource person interacted with the students getting to know about the expectation from the session.



### Faculty Participation

S.No	Name of the Faculty	Event Name	Date	Organizing Institute
1	Mr. S. Yuvaraj	Accreditation And Outcome Based Learning	22/10/2023 to 30/10/2023	IIT Kharagpur
2	Mr. S. Logeswaran	AMESHE 2023 (Advancements in Mechanical, Environmental, Safety and Health Engineering)	05/10/2023	Knowledge Institute of Technology
3	Mr. S. Logeswaran	AMESHE 2023 (Advancements in Mechanical, Environmental, Safety and Health Engineering)	05/10/2023	Knowledge Institute of Technology
4	Dr. S. Anandakumar	AMESHE 2023 (Advancements in Mechanical, Environmental, Safety and Health Engineering)	05/10/2023	Knowledge Institute of Technology
5	Dr. S. Anandakumar	AMESHE 2023 (Advancements in Mechanical, Environmental, Safety and Health Engineering)	05/10/2023	Knowledge Institute of Technology
6	Mr. V. Kavinkumar	IGBC AP Exam	21/10/2023	IGBC
7	Mr. S. Yuvaraj	Youth Leadership Summit 2023	12/10/2023	ICT Academy of Tamilnadu

## Industry Visit by Faculty

S.No	Name of the Industry	Visit Date	Name of the Faculty's
1	Aarbee Structures Pvt Limited, Coimbatore	6.10.2023	Dr.R.Saravanakumar Mr.S.Elavarasan Mr.V.Kavinkumar
2	Sree Daksha Property Developers, Coimbatore	6.10.2023	Dr.R.Saravanakumar Mr.S.Elavarasan Mr.V.Kavinkumar
3	Terraspace, Coimbatore	11.10.2023	Ms.B.S.Meenakshi
4	PVM Properties Private Ltd, Coimbatore	11.10.2023	Ms.B.S.Meenakshi

## Faculty Publications

- **K S Navaneethan, Dr. S. Anandakumar and ett al published paper on the title “Unleashing the Resilience of Reinforced Concrete Member Retrofitted with Composite Laminates” in Journal of Ceramic Processing Research.**

## Student Participation

S.No	Name of the Student	Event Name	Date	Organizing Institute
1	Bhavathareni S	QRIOUSITY'23	14/10/2023	KPRIET
2	Thavadharani S	QRIOUSITY'23	14/10/2023	KPRIET
3	Sri Sanjai B	Design of Structural Elements using Telka Structures	12/10/2023	Karpagam College of Engineering
4	Gethisal V	SSEC Cultural Fusion Fest - 2K23	14/10/2023	Sree Sakthi Engineering College
5	Bhupesh R	Workshop Event	12/10/2023	Karpagam college of engineering

6	Pranitha R	NPTEL	29/10/2023	Ranganathan engineering college
7	Thaniska R	RDC Selection Camp	21/10/2023 to 30/10/2023	NTA IDAYAPATTI
8	Thaniska R	IGC RDC	11/10/2023 to 20/10/2023	NTA IDAYAPATTI
9	Thaniska R	RDC Selection Camp	01/10/2023 to 10/10/2023	KPRCAS
10	Kavin Dharshini S	Tamilnadu State Karate Championship	21/10/2023 to 22/10/2023	Tamilnadu State Karate Championship
11	Prasannakumar S	Light Weight Concrete Motor Boat	18/10/2023	Kongu engineering collage
12	Jeeva M	Anna University Zone IX Hand Ball Tournament	12/10/2023	KIT
13	Shaniya S	Workshop on " Design of Structural Elements Using Tekla Structures"	12/10/2023	Karpagam College of Engineering
14	Ashik Irfan S	Open Tmf Classic 2023	08/10/2023	Indian Fitness Federation
15	Dinesh D	Anna University Zone- IX Football Tournament	05/10/2023 to 06/10/2023	Coimbatore Institute of Technology
16	ASHIK IRFAN S	Open State Level, Deadlift Championship 2023	01/10/2023	Amateur Powerlifting Association

## Consultancy Activities

Sl.No	Name of the Laboratory	Amount received (Rs)
1	Concrete and Highway Laboratory	15,576
2	Strength of Materials Laboratory	6,195
<b>Total</b>		<b>Rs. 21,771 /-</b>