

# ASTHRA

June 2023



The Newsletter of  
**Department of  
Civil Engineering**



KPR Institute of  
Engineering and  
Technology

Learn Beyond

(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**

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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**

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- 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

### Expert talk on "Renewable Energy for mitigating climate change – Saviour or devil?"

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**Date: 06.06.2023**

Department of Civil Engineering organized World Environmental Day with an expert talk on the topic 'Renewable Energy for Mitigating Climate Change - Saviour or Devil?' to our students in Thanam Hall at 11:00 AM. The expert talk aims to explore both the positive and negative aspects of renewable energy in relation to climate change mitigation. Dr. Tasneem Abbasi, Assistant Professor & HoD(i/c), Centre of Pollution Control and Environmental Engineering, Pondicherry University, Dr. S. A. Abbasi, CSIR Emeritus Professor, Centre for Pollution Control and Environment Engineering, Pondicherry University were the chief guests for the event. The experts in the field who have extensive knowledge and experience in renewable energy technologies, environmental sustainability, and climate change mitigation strategies shared their thoughts in the field.



### World Environment Day Celebration

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**Date: 06.06.2023**

Department of Civil Engineering, in partnership with the National Service Scheme (NSS), organized a successful 'World Environment Day' celebration on June 6, 2023. The event aimed to raise awareness about environmental issues and promote sustainable practices among our campus community. With the theme "Preserving Our Ecosystems for a

Sustainable Future," the event featured insightful speeches, informative workshops, interactive discussions, a tree plantation drive, and engaging cultural performances. Participants had the opportunity to connect with environmental organizations, NGOs, and eco-friendly businesses, fostering collaboration and inspiring action. The event created a platform for sharing ideas, learning about environmental challenges, and encouraging individuals to make a positive impact on the environment. We express our gratitude to all the participants, speakers, volunteers, and sponsors who contributed to the event's success and helped create a more environmentally conscious community. Together, we can work towards a sustainable future.



## **Expert Talk on Construction Equipments & Practices**

**Date: 14.06.2023**

The Construction Equipment and Practices Course Outcome Session took place on June 14, 2023, at Thanam Hall, featuring Dr. Stella as the esteemed expert speaker. This session aimed to provide participants with an all-encompassing understanding of the course outcomes related to construction equipment and practices. Dr. Stella commenced the session by providing an overview of the course, emphasizing its importance within the construction industry and the need for mastering diverse types of equipment to ensure safety and enhance efficiency.



## Summer Internship Program 2023

**Date: 16.06.2023 to 23.06.2023**

The Department of Civil Engineering concluded its Summer Internship Program, held from June 16-23, 2023, with great success. The program provided participants with hands-on experience and the chance to apply their academic knowledge to real-world civil engineering projects. Through collaborative work, interactive sessions, and workshops led by industry experts, interns gained practical insights into the field, honed their problem-solving skills, and built a valuable network of professional contacts. The program has equipped participants with the skills and confidence necessary for a successful career in civil engineering. The Department of Civil Engineering expresses gratitude to all participants, mentors, and organizers for their contributions to the program's success and looks forward to future initiatives that empower aspiring civil engineers.

**KPR Institute of Engineering and Technology**  
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**DEPARTMENT OF CIVIL ENGINEERING**  
**Organizes**  
**SUMMER INTERNSHIP PROGRAM 2023**

**Key Topics:**  
Structural layout drawings  
RC detailing as per SP 34 & IS 13920  
Steel connections  
Tender BOQ  
Bill of quantities and specifications  
Rate Analysis  
Techno Economic indices for buildings  
Bar bending schedule  
Formwork calculation

**Contact:**  
8939928463

**Date: 16.06.2023 - 23.06.2023 Time : 10 AM - 4 PM**  
**Certificates will be provided**

**Mode : Online**  
**Registration Fees -Rs 799/-**  
**<http://bit.ly/3qgxRlg>**

kprist.edu.in | KPRIETonline

## Faculty Participation

S.No	Name of the Faculty	Event Name	Date	Organizing Institute
1	Mr. Vinoth S	Assessment & Upgradation of Deteriorating Reinforced Concrete Structures: A Researcher's View	24.06.2023	Ultra Tech Cement

2	Mr. Vivek D	Sustainable Technologies in Civil and Environmental Engineering	15.06.2023 to 16.06.2023	DR. D.Y. Patil Institute of Technology
3	Mr. Yuvaraj S	Advanced Industry Powered Faculty Immersion Program	22.05.2023	L & T Edutech

### Faculty as Resource Person

S.No	Name of the Faculty	Event Name	Date	Organizing Institute
1	Mr. Vinoth S	Entrepreneurship in Civil Engineering	22.06.2023	Sri Ranganathar Institute of Polytechnic college

### MOOC Completion by Faculty

S.No	Name of the Faculty	Course Name	Platform	Certificate
1	Mr. K. Maruti Venkatesh	Introduction to Research	NPTEL	Elite

### Faculty Publications

- **Dr. R. Dharmaraj** and ett al published paper on the title “Influences of MW on cement mortar properties at different magnetic exposure” in Scopus, Materials today proceedings
- **Dr. R. Dharmaraj** and ett al published paper on the title “Alkali activated systems of geopolymer based paver blocks under different curing conditions” in Scopus, Materials Today Proceedings.

### Consultancy Activities

SI.No	Name of the Laboratory	Amount received (Rs)
1	Concrete and Highway Laboratory	885
<b>Total</b>		<b>Rs. 885 /-</b>