

# ASTHRA

January 2024

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

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

## Faculty Publications

- **S. Anandaraj** , K. Raja, V. Sampathkumar, S. Hariswaran, G. Dheeran Amarapathi, B. Srisaran published a paper on the title “ Comparitive study on stabilisation of bentonite clay using municipal incinerated bottom ash and fly ash” in Lecture notes in Civil Engineering
- **R. Kavitha**, M. Ram Vivekanandan, C. Vinodhini, K. Abhinesh, S. Srinivasan, R. Monishkumar published a paper on the title “Workflow for pump house design using Building Information Modelling” in Lecture notes in Civil Engineering
- **S. Kanmani**, T. Raja Sree published paper on the title “ A comprehensive review of the role of soft computing techniques in municipal solid waste management” in Environmental Technology Reviews
- **R. Saravanakumar** , Gopi R, Elango K S, Balaji D published paper on the title “ Industrial waste phoshogypsum’s impact on CO2 reduction and global warming” in Global NEST Journal

## Faculty Participation

S. No.	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1.	Dr Kanmani S	Conference	37 <sup>th</sup> National Convention on Quality Concepts	Quality Control Forum of India, Nagpur Chapter	04/01/2024 to 07/01/2024
2.	Dr Anusha G	Resource person-STTP	Integrating technology and tradition in civil engineering	JSPM Babasaheb Naik College of Engineering	30/01/2024

## Industry Visit by Faculty

S.No	Name of the Industry	Visit Date	Name of the/01 Faculty's
1.	Briotto & Associates	18/01/2024	Mr. K. Maruthi Venkatesh
2	Anish Infrastructure Pvt Ltd	11/01/2024	Mr. S. Yuvaraj

3.	Saro Raj Konstruktions	11/01/2024	Mr. S. Yuvaraj
4.	Gowthami Konstruktions	11/01/2024	Mr. S. Yuvaraj

### Students Participation

S.No	Name of the Student	Year	Title of the Program	Organising Institute	Date
1.	Ruthramoorthy V	III	ETABS online course	ACADD CENTRE	11/01/2024 to 16/02/2024
2.	Kalki M J	II	Cube Contest	PSG College of Technology	31/01/2024
3.	Hari Prasath K	II	Cube Contest	PSG College of Technology	31/01/2024
4.	Priya Dharshinei K	III	Seminar on sustainable development and infrastructure resilience to natural disasters	Kongunadu College of Engineering and Technology	05/01/2024 to 06/01/2024
5.	Srinithi R	III	Workshop on "Retrofit of structures using FRP: Case studies and hands-on design"	National Institute of Technology	29/01/2024
6.	Logesh Jaga	III	Workshop on "Retrofit of structures using FRP: Case studies and hands-on design"	National Institute of Technology	29/01/2024
7.	Nagajothi P	III	Workshop on "Retrofit of structures using FRP: Case studies and hands-on design"	National Institute of Technology	29/01/2024

8.	Mrithika C	III	Workshop on “Retrofit of structures using FRP: Case studies and hands-on design”	National Institute of Technology	29/01/2024
9.	Ragul D	III	Seminar on sustainable development and infrastructure resilience to natural disasters	Kongunadu College of Engineering and Technology	05/01/2024 to 06/01/2024
10.	Nithishkumar G P	III	Seminar on “Green building seminar”	Builders Association of India	07/01/2024

### Students Achievement

S.No	Student	Class	Achievement	Organizer
1	Yuva Shri S	II	Special Award with Rs. 4000 cash prize	PSG College of Technology and ICI
2	Praveen J	II	Special Award with Rs. 4000 cash prize	PSG College of Technology and ICI
3	Bharath R	II	Special Award with Rs. 4000 cash prize	PSG College of Technology and ICI
4	Akshaya C	II	Special Award with Rs. 4000 cash prize	PSG College of Technology and ICI



## Consultancy Activities

Sl.No	Name of the Laboratory	Name of the faculty involved	Title of the Work/Test	Name /Industry/ Organization	Amount received (Rs)
1	Strength of Materials Laboratory	Mr. S. Yuvaraj Dr. K.S.Elango	Material characterization	Sri Ramakrishna Engineering college	50976
2	Strength of Materials Laboratory	Dr. K.S.Elango	Material characterization	Sri Krishna College of technology	8260
<b>Total Amount (Rs.)</b>					<b>59236</b>