ASTHRA July 2023

The Newsletter of Department of Civil Engineering



KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

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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

Workshop on "One Step Solution to Construction Management"

Date: 14.07.2023

The success of the event was further evident through the positive feedback received from the participants. Many students expressed their eagerness to implement REALTRAKER in their future projects, recognizing the potential impact it could have on improving project efficiency and success. The hands-on training was particularly appreciated, as it allowed them to familiarize themselves with the software's functionalities and gain practical experience, which they believed would be beneficial in their future careers.



Industry Expert Talk on "Estimation and Quantity Surveying"

Date: 22.07.2023

The following were explained to the learners. Preparing a Bill of Quantities (BOQ) for a building for construction project management. The sequential steps include:1. Understand the Project Scope: Review the architectural and engineering drawings, specifications, and any other relevant documents to understand the scope of the building project.2. Create Work Breakdown Structure (WBS): Break down the project into different work packages or sections.



Guest Lecture on "Introduction to Limit State Method"

Date: 22.07.2023

On 22nd July, at 1:30 PM, an insightful guest lecture was organized in the III B Civil Classroom of KPR Institute of Engineering and Technology. The lecture featured Mr. Guru Purushoth.S, an esteemed professional with an impressive background in civil engineering. The event aimed to enrich the knowledge and inspire the students, providing valuable insights into the construction industry and research in civil engineering. The event commenced with a warm welcome extended to Mr. Guru Purushoth.S by the faculty members and student representatives.



Expert Talk on "Learning to Learn"

Date: 12.07.2023

The session 'Learning to Learn' was organized by Department of Civil Engineering, KPR Institute of Engineering and Technology having Dr.S. Jeyachandran, Senior Vice President, Marutham Group as resource person. He explained the students clearly about the importance of learning and deliberated how to learn, what to learn and why to learn to our students. He also emphasized on the importance of learning the basic etiquettes for making the career in a better standard in this modern world.



National Level Quiz Series by Indian Concrete Institute

Date: 14.07.2023

The third edition of the National Level Online Quiz series, organized by the Department of Civil Engineering at KPR Institute of Engineering and Technology in association with ICI Student Chapter Coimbatore, was a resounding success. It happened on July 14, 2023, and its goal was to see how well participants understood basic civil engineering ideas. 67 in total, from different schools took part, making it a really smart event

Workshop on "OBE Residential Program"

Date: 07.07.2023 to 08.07.2023

Outcome-Based Education (OBE) programs for faculty members have shown several positive outcomes, both for educators and their students. The benefits in detail: Improved Teaching Effectiveness: OBE programs typically focus on equipping faculty members with modern teaching methodologies, assessment strategies, and instructional design techniques. As a result, educators become more adept at designing and delivering engaging lessons that cater to various learning styles and student needs. They gain a deeper understanding of learning outcomes and how to achieve them effectively.



Poster Presentation

Date: 27.07.2023 to 01.08.2023

The poster presentation was held from 27.07.23 to 01.08.23 through online mode. The presentation was attended by 31 peoples. The presentation was well-received, and the audience was interested in learning more about the marvels of construction. The presentation included information about the history, construction, and engineering of the featured marvels. The presentation also included images and diagrams of the structures. These architectural marvels, spanning various eras, exemplify human capability and creativity. They serve as enduring inspirations for the construction industry, pushing the boundaries of what can be achieved through innovative engineering, design, and imagination. This poster presentation explores some of the most remarkable constructions in history, showcasing their significance and the engineering brilliance behind them. This poster presentation delves into exceptional architectural achievements that showcase human innovation and engineering brilliance.

Marvel In Constrution - Precast Construction Precast Precast refers to a construction technique where building components are manufactured off-site in a controlled environment and then transported to the construction site for assembly. Why Precast ? Why not Precast? 1. Quality Control L. High Intial Cost 2. Faster Constrution 2. Limited Site Adaptability 3. Cost Effectiveness 3. Trasnportation Challenges 4. Design Flexibility 4. Site Access and Space Constraints 5. Weather Indipendence 5. Complex Foundations 6. Structural Efficiency 6. Materials Availability 7. Sustainability 8. Improved Safety **Elements of Precast** 1. Precast Concrete Beams 2. Precast Concrete Columns 3. Precast Concrete Walls 4. Precast Concrete Slabs 5. Precast Concrete Panels 6. Precast Concrete Stairs 7. Precast Concrete Piles 8. Precast Concrete Facades 9. Precast Concrete Balconies 10. Precast Concrete Parapets 11. Precast Concrete Barrier Walls 12. Precast Concrete Retaining Walls 13. Precast Concrete Bridge Components 14. Precast Concrete Manholes and Utility Vaults 15. Precast Concrete Sound Barrier **Iconic Structures in Growth of Precast Precast Construction** 1906 - 2023 \$185.35 billion **Ancient Precast** Structure Cir-Partin

Faculty Participation

S.No	Name of the Faculty	Event Name	Date	Organizing Institute
1	Dr. R. Saravanakumar	Outcome based education	07/07/2023 to 08/07/2023	KPRIET
2	Elavarasan S	Best Practices for Construction Management	14/07/2023	RealTraker
3	Elavarasan S	Outcome Based Education	07/07/2023 to 08/07/2023	KPRIET
4	Kanmani S	Teaching and Learning in General Programs	21/07/2023 to 24/09/2023	NPTEL
5	Saravanakumar R	Outcome Based Education	07/07/2023 to 08/07/2023	KPRIET
6	Kanmani S	Ekki Engineers Meet 2023	28/07/2023	KPRIET
7	Logeswaran S	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
8	Anandaraj S	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
9	Bharani S	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
10	Maruthi Venkatesh K	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
11	Vinoth S	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
12	Indhira Devi P	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
13	Anusha G	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
14	Rajeshkumar V	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET

15	Dhivya K	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
16	Vivek D	FDP On "Outcome Based Education"	21/07/2023	VIT, Chennai Campus
17	Kanmani S	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
18	Vivek D	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
19	Dharmaraj R	Best Practices For ConstructionManagement	14/07/2023	KPRIET
20	Dharmaraj R	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
21	Yuvaraj S	FDP On "Outcome Based Education"	07/07/2023 to 08/07/2023	KPRIET
22	Vivek D	Training in Best Practices for Construction Management	14/07/2023	Real Tracker, V Plan Inc
23	Anusha G	FDP on Review on Recent Research in Civil Engineering (RRR – 2023)	10/07/2023 to 15/07/2023	Kallam Haranadhareddy Institute of Technology
24	Dhivya K	FDP Entitled "Review on Recent Research in Civil Engineering"(RRR – 2023)	10/07/2023 to 15/07/2023	Kallam Haranadhareddy Institute of Technology (Autonomous) Andhra Pradesh

Industry Visit by Faculty

S.No	Name of the Industry	Visit Date	Name of the Faculty's
1.	Caerostris Structures, Coimbatore	05-07-2023	Dr.K.S.Elango Mr.V.Kavinkumar
2	SRV Associates, Coimbatore	05-07-2023	Dr.K.S.Elango Mr.V.Kavinkumar

3.	Innox Structural Systems Pvt.Ltd, Coimbatore	18-07-2023	Mr. S.Logeswaran Dr. S. Anandaraj
4.	Geometrics Space Structures Pvt.Ltd, Coimbatore	18-07-2023	Mr. S. Logeswaran Dr. S. Anandaraj
5.	Velan Concast, Coimbatore	18-07-2023	Mr. S. Logeswaran Dr. S. Anandaraj
6.	SPM Associates, Coimbatore	18-07-2023	Mr. S. Logeswaran Dr. S. Anandaraj
7.	TR Associates, Coimbatore	20-07-2023	Mr.S.Yuvaraj
8.	USAM CadSOFT India Pvt Ltd, Coimbatore	20-07-2023	Mr.S.Yuvaraj
9,	URC, Erode	22-07-2023	Dr.S. Anandakumar Mr. S. Logeswaran Mr. K Maruthi Venkatesh
10.	JV ENGINEERING ASSOCIATE, Erode	22-07-2023	Dr. S. Anandakumar Mr. S. Logeswaran Mr. K Maruthi Venkatesh
11.	MRP INFRAAZ, Erode	22-07-2023	Dr. S. Anandakumar Mr. S. Logeswaran Mr. K Maruthi Venkatesh
12.	P & C Projects, Erode	22-07-2023	Dr. S. Anandakumar Mr. S. Logeswaran Mr. K Maruthi Venkatesh
13.	DMW Infrastructures, Erode	22-07-2023	Dr. S. Anandakumar Mr. S. Logeswaran Mr. K Maruthi Venkatesh
14.	P & C Projects, Erode	22-07-2023	Dr. S. Anandakumar Mr. S. Logeswaran Mr. K Maruthi Venkatesh
15.	RR Thulasi Builders, Erode	22-07-2023	Dr. S. Anandakumar Mr. S. Logeswaran Mr. K Maruthi Venkatesh
16.	GMS Builders, Erode	22-07-2023	Dr. S. Anandakumar Mr. S. Logeswaran Mr. K Maruthi Venkatesh

17.	Skytree Consulting Engineers, Bangalore, Karnataka	22-07-2023	Dr.K.S.Elango Mr.V.Kavinkumar

Faculty as Resource Person

S.No	Name of the Faculty	Event Name	Date	Organizing Institute
1	Mr. Vinoth S	Entrepreneurship in Civil Engineering	22.07.2023	Sri Ranganathar Institute of Polytechnic college

Faculty Publications

- Dr. V. Rajesh Kumar and ett al published paper on the title "Assessment of groundwater quality in and around the solid waste dump site using multivariate plot analysis" in Global Nest Journal
- Dr. S. Kanmani and ett al published paper on the title "Adsorption of cationic dye (Red 95) from aqueous solution by biosynthesized nano particle of cumnium cyminum" in in Global Nest Journal

Student Participation

S.No	Name of the Student	Event Name	Date	Organizing Institute
1	Ashik Irfan S	Open Dead Lift, Bench Press Championship 2023	30/07/2023	S R I Classic Open Dead Lift, Bench Press Championship 2023
2	Shanmugasundar M	Open Dead Lift, Bench Press Championship 2023	30/07/2023	S R I Classic Open Dead Lift, Bench Press Championship 2023

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3	Parasuram M	NPTEL	31/07/2023 to 01/10/2023	ΙΙΤ
4	Thanishkodi Adhithyan P	Industrial Construction Planning Work	18/07/2023 to 15/08/2023	Ply Tree Interiors
5	Thanishkodi Adhithyan P	Sustainable Transportation System	01/07/2023 to 31/10/2023	NPTEL
6	Thamaraiselvan M	Municipal Solid Waste Management	19/07/2023 to 18/10/2023	ΙΙΤ
7	Bharanitharan S	Online Mooc Course	12/07/2023 to 31/10/2023	NPTEL
8	Manoj Kumar M	Online Mooc Course	12/07/2023 to 31/10/2023	NPTEL
9	Boopathi Raja P	Sustainable Transportation System	24/07/2023 to 13/10/2023	Indian institute of technologyRoorkee
10	Tarunika K	L&T	13/07/2023 to 13/09/2023	KPRIET
11	Mugunthan B	Sustainable Geotechniques	13/07/2023	KPRIET
12	Parasuram M	Real traker	13/07/2023 to 14/07/2023	KPRIET
13	Nagajothi P	L&T Education	13/07/2023 to 13/09/2023	KPRIET
14	Jebin Resan J	Real Traker	14/07/2023	KPRIET
15	Sanjaykumar D	Practices Of Construction	14/07/2023	KPRIET
16	Sabarinath S	Project Presentation	10/07/2023 to 11/07/2023	Builders Engineering College
17	Taariq Hussain	Real Tracker	13/07/2023 to 14/07/2023	KPRIET

18	Nithishkumar G P	Real Tracker	20/07/2023	KPRIET
19	Nishanth S	Real Tracker	20/07/2023	KPRIET
20	Nishanth S	L&T	12/07/2023 to 07/09/2023	L&T
21	Ragul D	Real Tracker	14/07/2023	KPRIET
22	Pranitha R	Real Tracker	14/07/2023	KPRIET
23	Sashwin Vaibhav T	Best Practices Of Construction Management	14/07/2023	Real tracker

Consultancy Activities

SI.No	Name of the Laboratory	Amount received (Rs)
1	Concrete and Highway Laboratory	10,974
Total		Rs. 10,794 /-