

ASTHRA

February 2024

The Newsletter of

Department of Civil Engineering



KPR Institute of
Engineering and
Technology

Learn Beyond

(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

Civistra '24

Date: 09.02.2024

The Department of Civil Engineering at KPR Institute of Engineering and Technology successfully organized Civistra 2024, a National Level Technical Symposium aimed at polytechnic students. Polytechnic students from various institutions actively engaged in these activities, showcasing their talent and passion for civil engineering. The technical sessions covered a wide array of topics including sustainable construction practices, innovative materials, emerging technologies in structural engineering, and environmental conservation in civil projects. These workshops offered a platform for students to gain practical exposure to advanced tools, software, and methodologies relevant to the field of civil engineering



Two Days Hands On Training On Building Information Modelling

Date: 16.02.2024 to 19.02.2024

The event was organized by Civil Department for third year civil & PG structural students and aimed to provide participants with practical skills and knowledge about BIM and its applications in the construction industry. An overview of BIM concepts, methodology, and its importance in the construction industry, demonstration of BIM Software Tools were provided. The BIM Hands-on Training event was a success, providing participants with valuable skills and knowledge that they can apply in their professional work. The event

concluded with a networking session where participants had the opportunity to interact with industry experts and fellow attendees, fostering further learning and collaboration.



Workshop On Road Safety

Date: 10.02.2024

This event helped participants to become more knowledgeable about road safety rules, regulations, and best practices. They also gained a better understanding of the risks associated with unsafe behaviours such as speeding, distracted driving, and driving under the influence of alcohol or drugs. This event helped in promoting safer driving behaviours and increasing awareness of road hazards, these programs can contribute to a decrease in the incidence of accidents. Participants who internalize the lessons learned may continue to practice safe driving habits and serve as advocates for road safety within their communities. Overall, the outcome of a road safety awareness program depends on its design, implementation, and the level of engagement from participants and stakeholders.



Industry Visit by Students

Visit to Build Intec 2024, Coimbatore

Date: 12.02.2024

Students of II and III year visited Build Intec 2024 at Codissia Trade Fair Complex. They got an insight about the various construction materials and recent developments in Civil Engineering.



Jai Maruthi RMC

Date: 24.02.2024

Students of I year, Department of Civil Engineering gained exposure to ready mix concrete at Jai Maruthi RMC, Coimbatore. During the visit, the students gained insights into the manufacturing process of Ready-Mix Concrete (RMC) and learned about the latest innovations and equipment's in RMC production. They had the opportunity to observe the operational processes of RMC.



Balakrishna Engineering Works

Date: 24.02.2024

Students of III year, Department of Civil Engineering visited Balakrishna Engineering works, Coimbatore. Balakrishna Engineering works being one of the largest construction equipment research and manufacturing company, the students were able to get an insight about the recently developed equipment used in Civil Engineering. This experience provided them with a practical understanding of the industry and its technological innovations.



Faculty Publications

- **S. Anandaraj** , A.R. Krishnaraja, P. Kulanthaivel, P.C. Murugan published a paper on the title “ Influence of ceramic waste powder (CWP) in strength and durability performance of coir fiber reinforced concrete” in Journal of ceramic processing research
- **R. Saravanakumar**, K.S. Elango, V. Revathi, D. Balaji published a paper on the title “Influence of Aggressive Environment in Macro and Microstructural Properties of Bottom Ash Geopolymer Concrete” in Sustainability
- **R. Saravanakumar**, D. Vivek, K.S. Elango, J. Sridhar published paper on the title “ Influence of nano silica on impact resistance and durability of fly ash concrete in structural buildings” in Revista Materia
- **C. Vinodhini**, Dr. O. R. Kavitha, S. Sriram, Banu Balakrishna Bharath published a book chapter on the title “Basics of Building materials and construction”

Faculty Participation

S. No.	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1.	Dr Saravanakumar R	FDP	Civil Engineering Industry Oriented Innovative Softwares	Velammal College of Engineering and Technology	05/02/2024 to 09/02/2024
2.	Dr Dharmaraj R	FDP	Civil Engineering Industry Oriented Innovative Softwares	Velammal College of Engineering and Technology	05/02/2024 to 09/02/2024
3.	Dr. Anusha G	FDP	Civil Engineering Industry Oriented Innovative Softwares	Velammal College of Engineering and Technology	05/02/2024 to 09/02/2024
4.	Dr. Rajeshkumar. V	FDP	Civil Engineering Industry Oriented Innovative Softwares	Velammal College of Engineering and Technology	05/02/2024 to 09/02/2024
5.	Dr. Anusha G	FDP	Patent Drafting for beginners	NPTEL- AICTE	05/02/2024 to 30/03/2024
6.	Dr Dharmaraj R	VAC	Internship	Arrow Structures	02/02/2024 to 08/02/2024

7.	Dr Anandakumar S	FDP	Softwares in Civil Engineering	Sri Krishna College Of Engineering And Technology	26/02/2024 to 02/03/2024
8.	Mr Logeswaran S	FDP	Modelling And Simulation Softwares In Civil Engineering	Sri Krishna College Of Engineering And Technology	26/02/2024 to 02/03/2024

Industry Visit by Faculty

S.No	Name of the Industry	Visit Date	Name of the Faculty's
1.	GR Constructions	28/02/2024	Dr. S. Anandaraj Dr. V.Rajeshkumar
2	Geo Craft Construction	28/02/2024	Dr. S. Anandaraj Dr. V.Rajeshkumar
3.	SK Builders	28/02/2024	Dr. S. Anandaraj Dr. V.Rajeshkumar
4.	KMP Model Makers	19/02/2024	Mr. V. Kavinkumar Mr. S. Elavarasan
5.	Raise Structures	19/02/2024	Mr. V. Kavinkumar Mr. S. Elavarasan
6.	GEEDEE STEM Lab	12/02/2024	Dr. G. Anusha Mr. D. Vivek
7.	Dazzle Decors	08/02/2024	Mrs. P.Indhiradevi
8.	Urban Reborn Constructions	08/02/2024	Mrs. P. Indhiradevi
9.	Golden Key Builders	07/02/2024	Mr. S. Yuvaraj Mr. D. Vivek
10.	Royal Infrastructures	07/02/2024	Mr. S. Yuvaraj Mr. D. Vivek
11.	United Consultant	03/02/2024	Mr. D. Vivek

Students Participation

S.No	Name of the Student	Year	Title of the Program	Organising Institute	Date
1.	Kalki M J	II	Webinar	Archi Carvee	04/02/2024

2.	Priya Dharshini K	III	Presentation- EGSOW 2k24	Karpagam Academy of Higher Education	06/02/2024
3.	Rithika G	II	Webinar	Archi Carvee	04/02/2024
4.	Aadhithya V P	II	Webinar	Archi Carvee	04/02/2024
5.	Aadhithya V P	II	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
6.	Thavadharani S	I	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
7.	Tamilvanan M	II	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
8.	Bhavathareni S	I	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
9.	Kalki M J	II	CRIADIOS 2k24 - Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024
10.	Dhinesh Kumar N	III	CRIADIOS 2k24 - Paper Bridge Building	Sri Krishna College of Engineering and Technology	27/02/2024
11.	Kalki M J	II	CRIADIOS 2k24 - Paper Prism	Sri Krishna College of Engineering and Technology	27/02/2024
12.	Dharshinee A	III	CRIADIOS 2k24 - Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024

13.	Dharshinee A	III	CRIADIOS 2k24 - CREATRIX	Sri Krishna College of Engineering and Technology	27/02/2024
14.	Sanjay Kumar D	III	EGSOW 2k24 - CADD Modeling	Karpagam Academy of Higher Education	06/02/2024
15.	Srinithi R	III	EGSOW 2k24 - Paper Presentation	Karpagam Academy of Higher Education	06/02/2024
16.	Dineshkumar K A	III	CRIADIOS 2k24 - Build It	Sri Krishna College of Engineering and Technology	27/02/2024
17.	Venkatesh S	III	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
18.	Hari Prasath K	II	CRIADIOS 2k24 - Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024
19.	Praveen J	II	CRIADIOS 2k24 - Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024
20.	Praveen J	II	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
21.	Lingeshwaran V	III	CRIADIOS 2k24 - Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024
22.	Bavadharani S	II	NEP Explorers- A Quiz	KPRIET	22/02/2024

			on NEP 2020		to 25/02/2024
23.	Ezhil Oviya N	II	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
24.	Akshaya C	II	CRIADIOS 2k24 – Quizee Buzz	Sri Krishna College of Engineering and Technology	27/02/2024
25.	Agastin Jebaraj R	III	CRIADIOS 2k24 - Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024
26.	Agastin Jebaraj R	III	CRIADIOS 2k24 – Paper Prism	Sri Krishna College of Engineering and Technology	27/02/2024
27.	Akshy Raj R	III	CRIADIOS 2k24 – Paper Prism	Sri Krishna College of Engineering and Technology	27/02/2024
28.	Gayathry Girish	III	CRIADIOS 2k24 – Paper Prism	Sri Krishna College of Engineering and Technology	27/02/2024
29.	Aarthi G	III	CRIADIOS 2k24 – Paper Prism	Sri Krishna College of Engineering and Technology	27/02/2024
30.	Gayathry Girish	III	CRIADIOS 2k24 – CREATRIX	Sri Krishna College of Engineering and Technology	27/02/2024

31.	Aarthi G	III	CRIADIOS 2k24 – CREATRIX	Sri Krishna College of Engineering and Technology	27/02/2024
32.	Harish S	II	CRIADIOS 2k24 – Quizee Buzz	Sri Krishna College of Engineering and Technology	27/02/2024
33.	Harish S	II	CRIADIOS 2k24 – Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024
34.	Harish S	II	CRIADIOS 2k24 – CREATRIX	Sri Krishna College of Engineering and Technology	27/02/2024
35.	Harish S	II	CRIADIOS 2k24 – Vibrant Visions	Sri Krishna College of Engineering and Technology	27/02/2024
36.	Aadhithya V P	II	CRIADIOS 2k24 – Paper Prism	Sri Krishna College of Engineering and Technology	27/02/2024
37.	Nandhini M	II	CRIADIOS 2k24 – Quizee Buzz	Sri Krishna College of Engineering and Technology	27/02/2024
38.	Nandhini M	II	Webinar	Archi Carvee	04/02/2024
39.	Nandhini M	II	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
40.	Aditya G S	II	CRIADIOS 2k24 –	Sri Krishna	27/02/2024

			Workshop	College of Engineering and Technology	
41.	Ashwath P	II	CRIADIOS 2k24 – Workshop	Sri Krishna College of Engineering and Technology	27/02/2024
42.	Madhavan C	III	CRIADIOS 2k24 – Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024
43.	Koushika Y S	III	CRIADIOS 2k24 – Cube Casino	Sri Krishna College of Engineering and Technology	27/02/2024
44.	Gokul Ranjith A	III	Centise Championship (Badminton)	KPRIET	18/02/2024 to 19/02/2024
45.	Elavenil M	III	Centise Championship (Badminton)	KPRIET	18/02/2024 to 19/02/2024
46.	Guhan S	II	NEP Explorers- A Quiz on NEP 2020	KPRIET	22/02/2024 to 25/02/2024
47.	Abhishek S	II	CRIADIOS 2k24 – Workshop	Sri Krishna College of Engineering and Technology	27/02/2024
48.	Bhupesh R	II	CRIADIOS 2k24 – Quizee Buzz	Sri Krishna College of Engineering and Technology	27/02/2024
49.	Sri Vidarth a K	III	Centise Championship	KPRIET	18/02/2024

			(Badminton)		to 19/02/2024
50.	Sri Sanjai B	II	CRIADIOS 2k24 – Workshop	Sri Krishna College of Engineering and Technology	27/02/2024
51.	Bavadharani S	II	Mindkraft- Crash or Cash	Karunya institute of engineering and technology	21/02/2024 to 22/02/2024

Students Achievement

S.No	Student	Class	Achievement	Organizer
1	Pranitha R	III	I prize – Paper Presentation	Karpagam Academy of Higher Education
2	Priyadharshini K	III		
3	Dhinesh Kumaar N	III	I Prize – CREATRIX	Sri Krishna College of Engineering and Technology
4	Dharshinee A	III	I Prize – CREATRIX	Sri Krishna College of Engineering and Technology
5	Sanjaykumar D	III	I Prize – CADD Modeling	Karpagam Academy of Higher Education
6	Srinithi R	III	I Prize- Paper Presentation	Karpagam Academy of Higher Education

7	Dineshkumar K A	III	Special Appreciation- Build It	Sri Krishna College of Engineering and Technology
8	Hari Prasath K	II	Special Appreciation- Cube Casino	Sri Krishna College of Engineering and Technology
9	Praveen J	II	I Prize- Cube Casino	Sri Krishna College of Engineering and Technology
10	Bharath R	II	I Prize- Cube Casino	Sri Krishna College of Engineering and Technology
11	Akshaya C	II	II Prize- Quizee Buzz	Sri Krishna College of Engineering and Technology
12	Harish S	II	II Prize- Quizee Buzz	Sri Krishna College of Engineering and Technology
13	Gayathry Girish	III	I Prize- Paper Prism	Sri Krishna College of Engineering and Technology
14	Aarthi. G	III	I Prize- Paper Prism	Sri Krishna College of Engineering and Technology

15	Gayathry Girish	III	II Prize- CREATRIX	Sri Krishna College of Engineering and Technology
16	Aarthi. G	III	II Prize- CREATRIX	Sri Krishna College of Engineering and Technology
17	Gokul Ranjith A	III	I Prize - Centise Championship (Badminton)	KPRIET
18	Elavenil M	III	I Prize - Centise Championship (Badminton)	KPRIET
19	Hemanadeswar S	I	I Prize- 13TH Centies championship	KPRIET



Overall Appreciation Award- CRIADIOS 2K24



I Prize in Paper presentation- CRIADIOS 2K24



Special Appreciation Award in Cube Contest - CRIADIOS 2K24



II Prize in Technical Quiz- CRIADIOS 2K24



Bridge Crafting- CRIADIOS 2K24



I Prize in Paper Presentation- Karpagam Academy of Higher Education



Bridge Crafting- CRIADIOS 2K24



TN Skills 2023

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	Survey Laboratory	Dr. V. Rajesh	Topographic survey	Erode Textile mall Pvt Ltd	20000
2	Strength of Materials Laboratory	Dr. K.S.Elango	Material characterization	Mepco	2832
3	Concrete Laboratory	Dr. S. Saravanakumar	Paver Block Characterization	Sri Kumaran Pavers	708
Total Amount (Rs.)					23540