

ASTHRA

March 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

To become a premier institute of academic excellence by imparting technical, intellectual and professional skills to students for meeting the diverse needs of the 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 process through scholarly activities
- Enriching research and innovative activities in collaboration with industry and institute of repute
- Ensuring the academic process to uphold culture, ethics and social responsibility

About the Department

The Department of Civil Engineering of KPR Institute of Engineering and Technology, Coimbatore was established in the year 2009 with an annual intake of 60 students. In the year 2012, the annual intake was increased to 120. The Department has been elevated to its next pedestal by offering PG in Structural Engineering in the year 2014 with an annual intake of 18. 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 2022 Symposium for Polytechnic students

Date: 03.03.2023

CIVISTRA 2023, National Level symposium for polytechnic students was organized by the Department of Civil Engineering in association with Maya Academy of Advanced Cinematics and Department of Physical Education, KPR Institute of Engineering and Technology, Coimbatore on March 3rd, 2023 with the aim of providing a platform for learning and networking in the field of civil engineering. The symposium was attended by 122 participants from various polytechnics.

Er. S. Nithyanandam, Managing Partner of Om Muruga RMC plant, was the guest speaker at the symposium. He shared his valuable insights on the latest trends and practices in the field of concrete production, and the importance of quality control in the RMC plant industry.



Expert Talk

Date: 11.03.2023

The ASCE IS SR President Narsimha Chary Poloju visited the KPR Institute of Engineering and Technology to interact with the ASCE student chapter members and encourage them to become active members of the ASCE community. The President discussed the importance of networking, staying up to date on industry trends, and getting involved in ASCE activities. The ASCE student chapter members were excited to meet the President and interact with him. They shared their experiences of organizing events and participating in ASCE competitions and discussed their plans for the upcoming academic year. The President also had an excellent interaction with the faculty members and the Head of the Department. They discussed the importance of ASCE in promoting the civil engineering profession and the role of ASCE in supporting the development of the civil engineering community.



BIM Conclave

Date: 16.03.2023 & 17.03.2023

Department of Civil Engineering organized a Two day Building Information Modelling (BIM) conclave which was held on 16th and 17th March 2023 at Thanam hall, KPR Institute of Engineering and Technology, Coimbatore. This conclave is aimed at bringing together the leading experts and professionals from leading industry to discuss the latest trends and advancements in BIM. The conclave featured keynote speakers Dr. V. Senthilkumar, Expert in World Skills Competition for Digital Construction and Associate Professor, IIT Palakkad and Er. B. S. Mukund, Head - Building Information Modelling, L&T Construction, Chennai. Resource persons provided hands on training to all the participants which included BIM implementation, Project Management, and the role of technology in construction.



Expert Talk on “Career opportunities in “IT & Marketing Sector”

Date: 13.03.2023

The program was planned for the pre-final students of Civil Engineering department. The students are in the stage of selecting their domain for a continuous career growth. The field expertise in providing suggestion on how to prepare a candidature for the campus placements. By considering the industrial requirements, the session has been planned for various type of job roles. Mr. P. Kalaivanan had initiated the meeting by welcoming the gathering and faculty members. The topic delivered by Mr. S. Yuvaraj was on " Career Opportunities in Civil Engineering". He had spotted out the minimalistic requirements to be a successful engineer.



Parents – Teachers Meeting

Date: 15.03.2023

On March 15, 2023, the Department of Civil Engineering successfully organized a parent-teacher meeting in the Final Year classroom. The event aimed to promote the department's accomplishments, such as research publications, collaborations, and infrastructural improvements. The meeting was attended by parents, instructors, and students, who gathered to discuss the department's and kids progress. The student's academic and extracurricular achievements were also highlighted, with a particular emphasis on the CIAT 1 outcomes analysis.



Expert Talk on “Higher Studies Opportunities in India”

Date: 17.03.2023

Mr. Elavarasan, Assistant Professor, Department of Civil Engineering welcomed the gathering and gave the introduction about the resource person Mr. Sankar, Senior faculty, ACE Engineering Academy. Mr. Shankar started the seminar by emphasizing the importance of higher education and how it can benefit students in their careers. He highlighted the various career opportunities available in India for engineering graduates, including jobs in Public Sector Undertakings (PSUs), the Indian Engineering Services (IES), and higher studies in prestigious institutes like the Indian Institutes of Technology (IITs). He then focused on the Graduate Aptitude Test in Engineering (GATE), which is one of the most important exams for students who wish to pursue higher studies in engineering or secure a job in PSUs.



World Water Day

Date: 23.03.2023

Department of Chemical Engineering and Department of Civil Engineering jointly organised World Water Day celebration on 23.3.23 at KPR Institute of Engineering and Technology, Arasur, Coimbatore. The real aim and outcome of the event is to create an awareness in the minds of younger generation on water usage, importance etc. and to inform the latest developments in the water conservation and management and wastewater management areas.

Dr. S. Balasubramanian, HoD/Chemical, Dr. G. Anusha, HoD/Civil and Dr. E. Nakkeeran, Associate Professor, Chemical Engineering are the convenors of the event. For the Inaugural function, Mr. R. S. Krishnasamy, Convenor, Water Watch, Siruthuli was the chief guest and had delivered a guest lecture about the water bodies in coimbatore, how it looks in the past, how it is at present and what are the plans to preserve it for the future generations. Everything he discussed in a very neat and efficient manner for the benefit of students. The students are also overwhelmed on his presentation. Dr. M. AKila , Principal, KPR Institute of Engineering and Technology, Arasur, Coimbatore gave away the presidential address in which he highlighted about the importance of water and how to use it in scarcity times. Various events were conducted during the event such as essay writing, art competition, quiz competition, poster presentation, plant design competition, field trip, short film competition, film screening on the importance of water. Valedictory function was conducted in the evening in which Dr. R. Ilangovan, Former Chief Engineer, PWD, Water resource department, Tamilnadu was the chief guest . He also given a guest lecture on the water management and also given away the prizes for the various competition winners. The event successfully ended with a happy note.



ASCE Student Symposium 2023

Date: 28.03.2023 & 29.03.2023

Department of Civil Engineering along with ASCE student chapter jointly organized ASCE student symposium 2023. KPRIET hosted the symposium through zoom meet with funding of \$700. The competitions such as sustainable solution, innovation contest and paper presentation were held and the participants from various college actively took part into the symposium.



EDCR Preparation work for Tirupur Corporation

Date: 30.03.2023

Preparation of DPR - Detailed Project Report for proposed new Bus stand to be locate at kovilvazhi, Tirupur. This proposed Bus stand is coming under class B and consists of 42 bus bays and multiple facilities with 4 primary blocks which provides revenue to the corporation. The final technical scrutiny on design, Estimates and Bill of Quantities done by DMA (Director of Municipal Administration), Chennai.



Faculty Participation

S.No	Name of the Faculty	Event Name	Date	Organizing Institute
1	Mr. S. Yuvaraj	International Conference on Advanced Materials and Technologies For Industry 4.0	23.03.2023 to 24.03.2023	Bannari Amman Institute of Technology

2	Mrs. B. S. Meenakshi	Workshop on Circular Solutions to Sanitation – making Profits from Toilets	29.03.2023 to 30.03.2023	IIT Madras
3	Mrs. R. Kavitha	International Conference on Civil Engineering Innovative Development In Engineering Advances [Icc Idea - 2023]	09.03.2023 to 11.03.2023	SRM University
4	Dr. S. Kanmani	PALS INNOWAH Competition	24.03.2023 to 25.03.2023	IITM Research Park
5	Mr. S. Logeshwaran	Faculty Development Program on "Future Trends in Transportation and Logistic Industry"	13.03.2023 to 17.03.2023	Bannari Amman Institute of Technology, Sathyamanagalam
6	Mrs. B. S. Meenakshi	Umanage Tech Showcase 23	03.03.2023	Hindustan Institute of technology
7	Mrs. S. Bharani	Internation FDP on Essentials of Research and Publication	13.03.2023 to 17.03.2023	Easwari Engineering College

Certification Courses by Faculty

S.No	Name of the Faculty	Name of the Course	Organizing Institute	Date of Completion	
1	Mr. Ramvivekananthan M	Acquiring Data	NASSCOM	13.03.2023	25.03.2023

Faculty Publications

- Geethamani R, **Kanmani S**, Soundara B, published paper in the title “Assessment of Groundwater Quality in and around the Solid Waste Dump Site using Multivariate Plot Analysis” in Global Nest, SCI, 1790-7632
- **S. Anandaraj**, K. Raja, M. Mohammed Abbas, T. Madhan Kumar, K. Vartharajan, N. Nivashini, “Experimental study on luffa fiber reinforced concrete using glass powder as cement replacement” in Materials Today Proceedings, Scopus, ISSN No: 2214-7853.
- **S. Elavarasan, A. K. Priya, K. S. Elango**, S. Shahitya published paper in the title “A review on addition of egg shell powder to CSEB blocks” in Materials Today Proceedings, Scopus, ISSN No: 22147853.
- **S. Anandaraj**, S. Karthik, S. Sylesh, R. Kishor, K. Suresh, K. Jaiprakash, K. A. Dineshkannan published paper in the title “Experimental investigation on sugarcane bagasse fiber reinforced

concrete using bottom ash as sand replacement,” Materials Today Proceedings, Scopus, ISSN No: 2214-7853

Faculty Patent Publication

S.No	Name of the Faculty	Title of the Patent	Date	Status
1	Mr. S. Yuvaraj	Design and Testing of Flat Slab using Coconut Shell Concrete	17.03.2023	Published

Faculty as a Resource Person

S.No	Name of the Faculty	Title of the Program	Organising Institute	Date
1	Ms. K. Dhivya	Conventional Concrete vs. Hybrid Concrete	Annapoorna Engineering College	20.03.2023
2	Mr. P. Kalaivanan	Career Opportunities in “IT and Marketing Sector”	KPRIET	13.03.2023
3	Mr. S. Yuvaraj	Career Opportunities in Civil Engineering	KPRIET	13.03.2023
4	Mr. S. Yuvaraj	Repair, Rehabilitation & Retrofitting of Structures	KGiSL Institute of Technology	28.03.2023
5	Ms. B. S. Meenakshi	UMAGINE TECH SHOWCASE 23	Hindustan Institute of technology	03.03.2023

Students Participation

S.No	Name of the Student	Year	Title of the Program	Organising Institute	Date
1	Gayathry Girish	II	World Water Day 23	KPRIET	23.03.2023
2	Kanithra R	II	Drafrix	Sri Shakthi Institute of Engineering and Technology	29.03.2023 to 30.03.2023
3	Madhavan C	II	Srinivasa Ramanujan Mathematical Competitions	ISTE	29.03.2023 to 30.03.2023
4	Vijai Anand V	PG – II	International Conference on Civil Engineering Innovative Development in Engineering Advances [Icc Idea - 2023]	SRM University	09.03.2023 to 11.03.2023
5	Sabarinathan S	PG – II	International Conference on Civil Engineering Innovative Development in Engineering Advances [Icc Idea - 2023]	SRM University	09.03.2023 to 11.03.2023
6	Adarsh A S	II	Kriya	PSG College of Technology	24.03.2023 to 26.03.2023

7	Adarsh A S	II	Technical Symposium Samgraama 23	Builders Engineering College	24.03.2023
8	Adarsh A S	II	Foot Ball	Nehru Institute of Engineering and Technology	05.03.2023 to 07.03.2023
9	Mageswari M	II	Idea Fair	Kongu Engineering College	18.03.2023
10	Karthik P	II	Brain Tech	Sri Shakthi Institute of Engineering and Technology	16.03.2023 to 17.03.2023
11	Lokesh P L	II A	Gateway 23 - Onspot Photography	PSG CAS	24.03.2023
12	Vishnu S	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
13	Vinothkumar V	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
14	Vimal T M	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
15	Vijai Anand V	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
16	Suriya Prakash T	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
17	SANTOS KUMAR	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
18	Sabarinathan S	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
19	Praneeth RAMESH	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
20	Nazir Ahamed M	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
21	Krithika T	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023

22	Jenifer Princy A	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
23	Harish Priyan V	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
24	Dinesh M	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
25	Chithra K	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
26	Charumathy A	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
27	Aravind C	II ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
28	Vijay Shankar	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
29	Vignesh V	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
30	Srinivasan S	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
31	Sridhar R	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
32	Nandhini RAVIKUMAR	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
33	Gowtham K	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
34	Gokulkrishna n N	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
35	Gokul G	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
36	Augustine Devanand S	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023
37	Abinesh K	I ME	BIM Conclave	KPRIET	16.03.2023 to 17.03.2023

38	Abinesh K	I ME	International Conference on Civil Engineering Innovation Development In Engineering Advances	SRM UNIVERSITY	09.03.2023 to 11.03.2023
39	Srinivasan S	I ME	International Conference on Civil Engineering Innovation Development In Engineering Advances	SRM UNIVERSITY	09.03.2023 to 11.03.2023

Students Achievements

S.No	Student	Class	Achievement	Organizer
1	Ms. Nandhika E	III	II Place in Throwball	COVI TIES Tournament at CIT College
2	Ms. Nandhika E	III	III Place in Throwball	CENTIES Tournament at SNS College
3	Ms. Nandhika E	III	Gold medal in Short put	COVITIES athletic meet at CIT College
4	Ms. Nandhika E	III	Gold medal in Discuss Throw	COVITIES athletic meet at CIT College
5	Ms. Nandhika E	III	Third place in 4 x 400	COVITIES athletic meet at CIT College
6	Ms. Nandhika E	III	4th position in Javelin Throw	CENTIES athletic meet at BIT college
7	Mr. M. Praveenkumar	I	Gold medal in 4*400 M Relay (Men)	CENTIES Athletic Meet in Bannari Amman Institute of Technology, Coimbatore
8	Mr. M. Praveenkumar	I	Over All Championships Runner - Up (53 Points) In Athletics (Men)	CENTIES Athletic Meet in Bannari Amman Institute of Technology, Coimbatore
9	Ms. E. Nandhika	III	Over All Championship Runner - Up	COVAI TIES Athletic Meet Coimbatore Institute of

			In Athletics (Women)	Technology, Coimbatore
10	Mr. M. Praveenkumar	I	Over All Championship Winner - Up In Athletics (Men)	COVAI TIES Athletic Meet Coimbatore Institute of Technology, Coimbatore
11	Mageswari M	II A	I prize in Contest - Ceans 2k23 - IDEA FAIR	KONGU ENGINEERING COLLEGE
12	Karthik P	II A	I prize in Kalam 2023 intercollegetechno cultural fest - BRAIN TECH	SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Industry Visit by Faculty Members

S.No	Name of the Industry	Visit Date	Name of the Faculty(s)
1.	RG Associates, Coimbatore	11-03-2023	Dr. S. Anandaraj Mr. S. Ganeshkumar
2	P&T Construction, Coimbatore	11-03-2023	Dr. S. Anandaraj Mr. S. Ganeshkumar
3.	Rajeshwari Constructions, Coimbatore	11-03-2023	Dr. S. Anandaraj Mr. S. Ganeshkumar
4.	Ramalingam Construction Company Pvt Ltd, Bangalore	30-03-2023	Mr. P. Kalaivanan Mr. S. Elavarasan
5.	Skytree Consulting Engineers, Bangalore	30-03-2023	Mr. P. Kalaivanan Mr. S. Elavarasan
6.	AECOM India Pvt Ltd, Bangalore	30-03-2023	Mr. P. Kalaivanan Mr. S. Elavarasan
7.	Anubhava Construction, Bangalore	31-03-2023	Mr. P. Kalaivanan Mr. S. Elavarasan
8.	Casagrand, Bangalore	31-03-2023	Mr. P. Kalaivanan Mr. S. Elavarasan

Consultancy Activities

Sl.No	Name of the Laboratory	Amount received (Rs)
1	Concrete and Highway Laboratory	6055
2	Strength of Materials Laboratory	14,752
3	BIM Lab	14,576
Total		35,383

Student Placement Details

S. No.	Student Name	Company Name	Package
1	Aravind Mathavan	Everest Engineering & Construction Pte.Ltd	9.56 LPA
2	Keerthiga G	Infinus Tech	2.5 LPA
3	Divyabharathi P	Infinus Tech	2.5 LPA

Department Activities

American Society of Civil Engineers (ASCE) SR Region AGM Meeting



Faculty Industry visit to Saint Gobain, Perundurai



HoD Interaction with Core Placement Training Students



Industry visit by II years



Industry visit by III Years to Green Building at facility, Kalapatti



HoD Interaction with I Year Students



PG Syllabus Discussion



HoD Addressing Slow learners



Strategic Planning Meeting



Visit to ACCE Regional office regarding Students Training

