

ASTHRA

May 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

. Faculty Publication

- **S. Anandakumar** , D. Ambika, S. Vivek, V. Sampathkumar, published a paper on the title “Coastline and geomorphological deviations using DSAD techniques over the past 5 decades (1972-2022) in Tirunelveli District, Tamilnadu, India” in Environment, Development and Sustainability
- **K. Rajkumar**, S. Anandakumar, V. Rajeshkumar, V. Sampathkumar, published a paper on the title “Analyzing key success factors in public-private partnership BOT projects: an empirical study on financing influences, insights, and analysis in construction management” in Revista Materia
- **V. Rajeshkumar**, S. Yuvaraj, N. Balasubramaniam, , B. Jeyanth, published a paper on the title “Mechanical properties of recycled concrete aggregates with superplasticizer” in Matéria (Rio J)
- **R. Saravanakumar**, K.S. Elango, Boobala Krishnan, published a paper on the title “Experimental investigation on the influence of cenosphere on mechanical and rheological properties of Portland cement pastes” in Revista Materia
- **R. Saravanakumar**, K.S. Elango, V. Rajeshkumar, Boobala Krishnan published a paper on the title “An analysis of the durability features and strength of the E-waste concrete” in Revista Materia
- **S. Logeswaran**, Manoj Kumar Sharma, M. Poonguzhali, Prashanthi Sandepogu, Abhijeet Das, Sureshkumar Myilsamy “Biodiversity Conservation, Internet of Things in Environmental Science, Deep Learning”
- **S. Anandakumar**, K. R. Kalphana, K. Madu Mathi, A. Ranjithkumar, Sanchita Banerji, published a book chapter titled “Sustainable Practices for Green Computing and Digital E-Waste Management”
- **S. Anandakumar**, H. S. Chandana, S Prabakaran, Sanchita Banerji, T. Kumaresan, B Suresh, published a book chapter titled “Small Business Entrepreneurial Ecosystems in Regional Development”
- **S. Anandakumar**, M. Nandhakumar, C. Kavitha, K. P. Rajimol., R Ramya Sri, S. Boopa, published a book chapter titled “Financial and Economic Analysis of Sustainable Practices for Green Computing”

- **S. Logeswaran**, Balpreet Singh Madan, M. Veerapathran, Pushpendra Rai, Sanjay Kumar Singh, B. Sampath, published a book chapter titled “Engineered Cementitious Composites (ECC) Through Nano-Composite Integration: Enhancing Construction”
- **S. Venkatraman**, A. Ravisankar, S. Alamelu Mangai, P. Saravanan, D. Ramya, Boopa Sharma, published a book chapter titled “Economic Growth and Blockchain Technology Inferences in E-Mobility”

Faculty Participation

S. No.	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1.	Dr Anusha G	Conference	International Conference on Sustainable goals in Materials, Energy and Environment- ICSMEE'24	Mangalam College of Engineering	02/05/2024 to 03/05/2024
2.	Mr Vinoth S	Conference	International Conference on Sustainable in Materials, Energy And Environment	Managalam College of Engineering	02/05/2024 to 03/05/2024
3.	Mr Venkat Raman S	Conference	International Conference on Sustainable in Materials, Energy And Environment	Managalam College of Engineering	02/05/2024 To 03/05/2024
4.	Mr Kalaivanan P	FDP	Inculcating universal human values in technical education	AICTE	13/05/2024 to 17/05/2024

Students Participation

S.No	Name of the Student	Year	Title of the Program	Organising Institute	Date
1.	Saroj Adhikari	II	Webinar- Innovation in urban resilience strategies for climate proof cities	Indian concrete Institute	31/05/2024

2.	G M Suresh Kumar	III	India Skills	World Skills competition 2024	15/05/2024 to 19/05/2024
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Students Achievement

S.No	Student	Class	Achievement	Organizer
1.	G M Suresh Kumar	III	Medallion of Excellence	India Skills 2024



Medallion of Excellence- India Skills 2024

Consultancy Activities

S.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	Dr.K.S.Elango	Material characterization	Karpagam Institute of Technology	4720
2	Concrete Laboratory	Dr.R.Saravanakumar	Material characterization	Everest fly ash bricks and pavers	8260
3	BIM Laboratory	Ms. R. Kavitha	Training - Tekla	Annamalai University	9500
Total Amount (Rs.)					22480