

ASTHRA

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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

Career Counselling Program

Date: 28.12.2023

The program fostered essential skills such as goal-setting, effective communication, and adaptability. Additionally, it also helped students to develop a realistic understanding of the job market and the skills required for success, motivating them to pursue continuous learning and skill development. Career counselling program established a foundation for lifelong learning and career satisfaction, positively impacting individual students, educational institutions, and the broader community by fostering a generation of well-prepared, motivated, and adaptable professionals.



Faculty Publications

- **Mr. D. Vivek**, Jayaprakash Sridhar, G. S. Rampradeep, K.S. Elango, G. N. R. Sankar, S. Anandraj published paper on the title “ Investigations on mechanical and durability properties of concrete with waste glass powder and ground granulated blast furnace slag” in AIP Proceedings & ICAPSM
- **Dr. G. Anusha**, M. Vijaykumar. M. Athipathy, B. Vigneshkumar published paper on the title “ Examining the durable characteristics of materials for engineered cementitious composites” in AIP Proceedings & ICAPSM
- **Mr. S. Vinoth**, V. Rajeshkumar, N. Santhosh, K. M. Kavin, N. Aravindan, S. N.S. Nithishwarr published paper on the title “ Valorization of self-compacting concrete added with recycled aggregate and slag aggregate” in AIP Proceedings & ICAPSM

- **Dr. S. Anandaraj**, S. Karthik, M. Senthil Rajan. R. Gobinath, S. Rajasekar, R. Navinkumar published paper on the title “ Assessment on the contribution of four different plant roots on protecting the slope and its stimulation on 3 dimensional analysis of finite element method” in AIP Proceedings & ICAPSM
- **Dr. R. Dharmaraj**, S. Karthick, R. Malathy, N. Karuppasamy, M. Hariprasath, Gayathry Girish published paper on the title “ Improvement of mechanism and anticorrosive behaviour reinforcement concrete using green inhibitors” in AIP Proceedings & ICAPSM
- **Mr. S. Yuvaraj**, R. Ashwathi, V. rajeshkumar. S. Anandraj, A. Dinesh published paper on the title “ Manufacture of fly ash bricks by utilizing industrial wastes and assessing its performance and applicability” in AIP Proceedings & ICAPSM
- **Mr. V. Kavinkumar**, N. Balasubramaniam, K. Boopathy published paper on the title “ Compressive strength endorsement with regression props of inflection and tolerance for material substituted self compacting concrete with fiber reinforcement” in Materials Today Proceeding
- **Dr. S. Anandaraj** , S. Vikashini, K. Raja ,R. Malathy published paper on the title “Evaluation of Groundwater Chemistry and Multivariate Statistical Studies in parts of Tirupur District, India” in Journal of Environmental Nanotechnology
- **Mrs. C. Vinodhini** published book on title “Basics of Building Materials and Construction” in Ciit

Faculty Participation

S. No	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1.	Dr. R. Dharmaraj	Expo	Institution's Innovation council, Regional meet 2023	Nehru Institute of Technology	04/12/2023
2.	Dr. R. Saravanakumar	Workshop	Two Days Hands on Training Programme on Bituminous Mix Design	PSG College of Technology	11/12/2023 to 12/12/2023

3.	Mr. S. Elavarasan	FDP	Innovative Construction Materials and Techniques for sustainable Development (ICMTSD 2023)	Sri Krishna College of Engineering and Technology	11/12/2023 to 16/12/2023
4.	Mr. Vivek D	Workshop	Two Days Hands on Training Programme on Bituminous Mix Design	PSG College of Technology	11/12/2023 to 12/12/2023

Faculty Achievements

S.No	Name of the Faculty	Name of the Award/ Achievement	Organizing Institute	Level
1	Dr. G. Anusha	Seermigu Poriyalar Award	The Hindu Tamil Thisai	State
2	Dr. G. Anusha	15 th Shri PK Das Memorial Best faculty award	Nehru Group of Institution	National

Industry Visit by Faculty

S.No	Name of the Industry	Visit Date	Name of the Faculty's
1.	AQO Zone Industries	02/12/2023	Dr. S. Kanmani
2	CCI Consultancy	06/12/2023	Mrs. R. Kavitha Mr. S. Logeswaran

3.	Timber Truss design Pvt Ltd	06/12/2023	Mrs. R. Kavitha Mr. S. Logeswaran
4.	Sri Virucham Associates	17/12/2023	Dr. S. Kanmani Mr.P. Kalaivanan
5.	Ayngaran Associates	17/12/2023	Dr. S. Kanmani Mr.P. Kalaivanan

Student Participation

S.No	Name of the Student	Year	Title of the Program	Organising Institute	Date
1.	Kalki M J	II	Institution's Innovation council, Regional meet 2023	Nehru Institute of Technology	04-12-2023
2.	Aadhitya V P	II	Institution's Innovation council, Regional meet 2023	Nehru Institute of Technology	04-12-2023
3.	Jeba Vashni M	I	Quiz on Energy Conservation	Kings College of Engineering	14-12-2023
4.	Ruthramoorthy V	III	Workshop on AutoCAD 2D	Learn Delta	16-12-2023
5.	Yuva Sivaguru G	I	Cine Recap 3.0	KPRIET	23-12-2023
6.	Taariq Hussain	III	Seismic Hazard Assessment and Microzonation of Salem and Coimbatore Cities	Anna University	21-12-2023 to 24-12-2023
7.	Sanjaykumar D	III	Seismic Hazard Assessment and Microzonation of Salem and Coimbatore Cities	Anna University	21-12-2023 to 24-12-2023

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	Soil Lab	Mr. A. Vasudev	Geotechnical report on soil investigation	Mr. Aravind, Mr. Sriram	5900
2	BIM Laboratory	Mrs. R. Kavitha Dr. R. Saravanakumar	Structural stability	Somanur temple arch	5900
3	Concrete and Highway Laboratory	Dr. R. Saravanakumar	Mechanical and durability research of concrete	Sri Sasthaa builders engineers and contractors	5900
Total Amount (Rs.)					17700