

Monthly Newsletter March 2022



KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")



EDITORIAL BOARD

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Dr. G. Anusha

Professor & Head Department of Civil Engineering

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Assistant Professor

Department of Civil Engineering

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. The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to KPRIET and share their experiences with its present fellow students.

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 has highly qualified faculty members with Ph. D. and M. E. / M. Tech. under various specialize such as Structural, Environmental, Geotechnical, Infrastructure, Transportation and Construction Engineering and Management. The faculty members contribute to academic **2 | P a g e**

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development by publishing books / journals, products, patent filing and presenting papers in International and National Conferences. The Department is well equipped with state of art Laboratories and Infrastructure. The Department of Civil Engineering signed MoUs with the reputed industries like BAI, COCENA to bridge the gap between theory and field practices. The Department bagged the Academic Excellence Award from Staffordshire University, UK and Education Matters, India for producing handful of University Ranks (in Civil Engineering) under Anna University.

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, E-Tabs, 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 have to 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.

In addition to the regular academic activity, the Department also offers its services in the form of consultancy and testing to various Government Departments and private agencies. The quality of services provided by the Department is well acknowledged in the professional field.

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

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Date: 01.03.2022

Programme Organized

Monthly Lecture series III on "Recent Advancements in Civil

Engineering"

Resource Person:Er. J. Premkumar,Principal Consultant,INFINUSTECH,Chairman ACCE(I),Coimbatore.

Department of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 01st March 2022 . In the webinar, the guest speaker, Er. R. Premkumar, Principal Consultant, INFINUSTECH, Chairman ACCE(I), Coimbatore.



Er. R. Premkumar, guest speaker explained

on the topic "Recent Advancements in Civil Engineering". He explained about the topic in recent advancements in Civil Engineering. Totally 134 participants participated in the webinar.

Civil Engineering Conclave 2022 on "Bridge Engineering"

Date: 15.03.2022

Resource Person: Dr. V. K. Raina,

Consultant, the U.N, The World Bank and African Development Bank, AICTE Distinuished Professor, KPRIET. Mr. M. Suvabulingam, RTD Chief Bridge Engineer. Mr. V. Kasiraja, General Manager& Head Special projects, L&T Construction, Chennai.

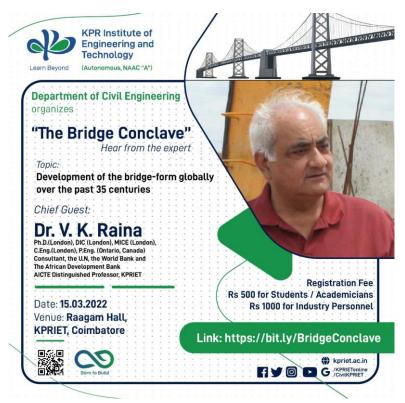
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"The darkest night is often the bridge to the brightest tomorrow" - Jonathan Lockwood Huie. KPR Institute of engineering and technology organized the Civil Engineering Conclave'2022 on Bridge Engineering. The Conclave on Bridge Engineering was delivered with the eminent persons, Dr. V. K. Raina - AICTE Distinguished Professor. He taught us about the Development of bridge-form globally over the past 35 centuries. Mr. M. Suyambulingam - RTD chief Bridge Engineer. He delivered a session on Retrofitting of bridges. Mr. V. Kasiraja - General Manager & Head Special projects, L&T Construction, chennai. He delivered the session on topic Construtability of different types of bridges. The day showered with the knowledge on the topic and it will be useful for us and as well as the participants for their upcoming years. It is an interesting and very interactive session among the eminent persons and the participants. Totally 328 Participants attended and benefited.







Monthly Lecture Series IV on " Corrosion Behaviour of Steel Reinforcement in

Concrete "

Date: 11.03.2022

 Resource Person:
 Dr. J. Daniel Ronald Joseph,

 Senior Scientist,
 Senior Scientist,

 CSIR – Central Electrochemical Research Institute (CECRI),

 Karaikudi.

The programme was organized by the Department of Civil Engineering, 11th March of 2022 through online mode in Google meet. Dr. J. Daniel Ronald Joseph, Senior scientist, CSIR – Central Electrochemical Research Institute (CECRI), Karaikudi explained about the corrosion behaviour of steel reinforcement in concrete. 65 Participants participated in the session.

Learn Beyond KPR Institute of Engineering and Technology (Autonomous, NAAC "A") Avinashi Road, Arasur, Coimbatore.	Department of Civil Engineering
	Lecture Series IV (Research)
Corrosion Behaviou	Ir of Steel Reinforcement in Concrete
	Resource Person Dr. J. Daniel Ronald Joseph Senior Scientist Corrosion and Material Production Division CSIR - Central Electrochemical Research Institute (CECRI) Karaikudi
Date : 11.03.2022	Time : 03.00 PM Google Meet
Student C Student C Mr. P. Tamilmani	Coordinators Mr. V. Sathyan

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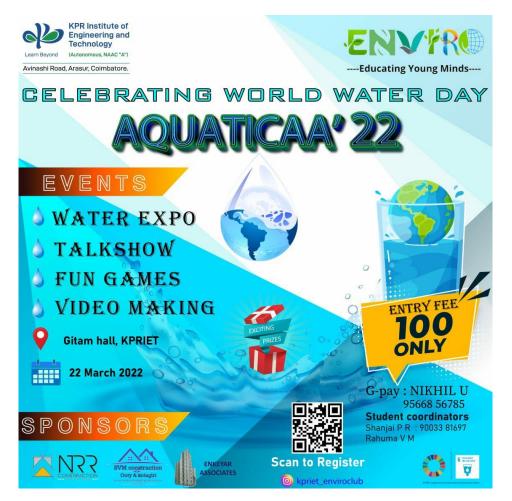
" Aquacticaa'22 – Celebrating world water day"

Date: 22.03.2022

Enviro Club in Department of Civil Engineering organized Aquaticaa'22 and celebrated world water day on 22nd March, 2022 in Gitam Hall.







"Industry Conclave - 2022"

" A Successful career begins with attending the right session!". KPR Institute of Engineering and Technology organized "Industry Conclave 2022" on 23.03.2022 in Civil Engineering department. Chief Guest " Dr. PSK. R. Periaswamy, Chairman, PSK Groups, Namakkal". He addressed the future engineers about the scope of Civil Engineering field.

The conclave added more colorful by the presence of various industry persons from ACCE, Dhiran Associates, Daxesh Builders, Plumeria contracting services, MRK Construction, Millennium developers, Swamy Builders, Sigaram Construction, Aravind Associate, SG Structurals, VBS Structural evolvers, COCENA, Struzon and RVK builders construction. "To be inspired is great, but to be an inspiration is an honor". It's our pleasure to thank and honor them.





"Civistra - 2022"

KPR Institute of engineering and technology Coimbatore, Organized a National level Symposium "Civistra'2022" for Polytechnic students in Department of Civil Engineering on 25.03.2022 in Thanam Hall.

Chief guest Dr. P. D. Arumairaj, Alzum Geo Civil Integrated Services, Indian Geotechnical Society, Chairman - Coimbatore Chapter addressed the participants with his valuable words.

Mr. Vasudev, GATE trainer handled the Seminar on topic "Career Guidance - Government Jobs" to the external participants.

Mrs.Kavitha handled the workshop on Software Sketch up and Twin motion. Participants actively interacted on the session and clarified their doubts. And various Technical and Non-technical events has been conducted by the student volunteers such as Techconnect, CADD contest, Vlog, Gully Cricket and Spot events. The students from various polytechnic colleges attended the symposium and actively participated in Various events. The Prizes were provided to the winners to motivate and encourage them for their successful career.





Mr. B. Vijay - 63831 72141 Mr. K. Ajithkumar - 88706 90859

Student Coordinators Mr. A. Faheem Ahmed - 91507 17534 Mr. M. Suganeshwaran - 89736 36860

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Memorandum of Understanding



Faculty Participation

S.No	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1	Dr. G. Anusha	Conference	An Experimental Investigation On Improvement Of Concrete Serviceability By Using Ferro Sialate Based Bacterial Concrete Development	SRM Institute Of Science And Technology	24.03.2022 to 26.03.2022
2	Dr. G. Anusha	Conference	Resilience And Sturdiness of the Foundry as a result Of the partial substitution of	SRM Institute Of Science And Technology	24.03.2022 to 26.03.2022

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			Cement and Fine Aggregate		
3	Dr. G. Anusha	Conference	Study on paver blocks using Waste Plastics and Sugarcane Bagasse Ash	SRM Institute Of Science And Technology	24.03.2022 to 26.03.2022
4	Dr. G. Anusha	Conference	Review on Properties of Engineered Cementitious Composites materials	Vellore Institute of Technology	24.03.2022 to 25.03.2022
5	Mr. S. Arjunkumar	Webinar	Prefabricated Volumetric Modular Construction	Ultratech Cement Ltd	26.03.2022
6	Ms. K. Dhivya	Technovanz a'22	Escape Room	VJTI, Mumbai	12.03.2022
7	Ms. K. Dhivya	Short Term Course	Machine Learning & Tt's Application	Indian Institute of Information Technology, Nagpur	07.03.2022 to 12.03.2022
8	Ms. K. Dhivya	Webinar	Geographic Information System	SCMS College of Polytechnics	26.03.2022
9	Mr. S. Arjunkumar	Webinar	Geographic Information System	SCMS College of Polytechnics	26.03.2022
10	Mr. S. Vinoth	Webinar	Geographic Information System	SCMS College of Polytechnics	26.03.2022
11	Mrs. C. Vinodhini	Online Training	Engaging Youth and Adolescents in Disaster Risk Management	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	10.03.22 to 12.03.2022

Faculty as a Resource Person

S.No	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1	Ms.R.Kavitha	Value Added Course	Structural Design using Spreadsheet	KPRIET	31.03.2022
2	Ms.S.Bharani	One credit course	Pump Sales and Service – Materials used in Pump industry	KPRIET	31.03.2022
3	Ms.P Indhiradevi	One credit course	Pump Sales and Service – Pump Selection and Installation	KPRIET	31.03.2022
4.	Mr. Elavarasan	One credit course	Pump Sales and Service – Trouble shooting of Pumps	KPRIET	31.03.2022
5	Dr.S.Kanmani	One credit course	Pump Sales and Service – Certification & Quality Standard of Pumps	KPRIET	31.03.2022
6	Ms.P Indhiradevi	Seminar	A Session on "Effective Resume writing"	KPRIET	30.03.2022
7	Mr.P.Kalaivanan	Seminar	A Session on "Digital Profile Building"	KPRIET	30.03.2022
8	Lt. A.K Priya	Guest Lecture	Career Opportunity in Armed Forces	Pollachi College of Arts and Science	09.03.2022

Students Achievement

S.No	Student	Class	Achievement	Organizer
1	Mr. A. Sreedharan	II CE	1 « Prize in Tathva'21 SKETCH IT UP Building Modeling Competition	NIT, Calicut
2	Mr. S. Sylesh	III CE	3 [∞] Prize in Tathva'21 SKETCH IT UP Building Modeling Competition	NIT, Calicut

Students Participation

S.No	Student	Class	Nature of Program	Name of the program	Organizer	Date
1	K Varshitha	III A	Quiz	Escape room	Veermata jijabai Technological Institute, Mumbai	19.02.2022
2	K Varshitha	III A	Design Competition	Smart city	Veermata jijabai Technological Institute, Mumbai	19.02.2022
3	B. Nanditha	III A	Quiz	Escape room	Veermata jijabai Technological Institute, Mumbai	19.02.2022
4	B. Nanditha	III A	Design Competition	Smart city	Veermata jijabai Technological Institute, Mumbai	19.02.2022
5	R Narmadha	III A	Quiz	Escape room	Veermata jijabai Technological Institute, Mumbai	19.02.2022
6	Sathya Gnanam	II - B	Webinar	Technical session on software foundation	E-Yantra lab setup initiative (eLSI)	03.02.2022

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7	Sathya Gnanam	II - B	Seminar	3D printing technology	Yi Yuva KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY	26.02.2022
8	R Saranya	III A	Quiz	Escape room	Veermata jijabai Technological Institute, Mumbai	19.02.2022
9	M Swathika	III A	Quiz	Escape room	Veermata jijabai Technological Institute, Mumbai	19.02.2022
10	Jagadeeshwar K	III A	Quiz	Escape room	Veermata jijabai Technological Institute, Mumbai	19.02.2022
11	Jagadeeshwar K	III A	Design Competition	Smart city	Veermata jijabai Technological Institute, Mumbai	19.02.2022

L&T EduTech College Connect Courses

- Concrete Technology 79 Students from U.G II Year Successfully Completed
- DRCB 35 Students from U.G III Year successfully completed
- BIM 11 Students from P.G I Year Successfully Completed

Faculty Publication details

- Dr. A.K. Priya, Dr. G. Anusha and Ett al Published paper on the title "Removing microplastics from wastewater using leading-edge treatment technologies: a solution to microplastic pollution— A Review in Bioprocess and Biosystems Engineering, SCI, March 2022.
- Dr. A.K. Priya and Ett al Published paper on the title "Surface Modification of TiO₂ by adding V₂O₅ nanocatalytic system for hydrogen generation" in Chemical Engineering Research and design, SCI, March 2022.

 Dr. A.K. Priya and Ett al Published paper on the title "A review of graphene-based semiconductors for photocatalytic degradation of pollutants in wastewater" in Chemosphere, SCI, March 2022.



ISR Activity by Faculty Members

S.No Name of Faculty	Nome of Ecoulty	Visit Date	School /	
3.110	Name of Faculty	VISIL Dale	Polytechnic	
1	Dr. R. Saravanakumar		21.03.2022	School Visit
2	Ms. K. Dhivya		21.03.2022	School Visit
3	Mr. S. Elavarasan		21.03.2022	School Visit
4	Lt. A.K Priya		21.03.2022	Tribal Area – School Building Testing

Consultancy Details

S.No	Name of the Laboratory	Amount Received
1.	Strength of Materials Laboratory	Rs. 7950 /-
	TOTAL	Rs. 7950 /-

Other Activities

One Credit Course on "GIS and Its Applications" for II Years



One Credit Course on "River Basin Management" for II Years



One Credit Course on "Building Approval" for III Years

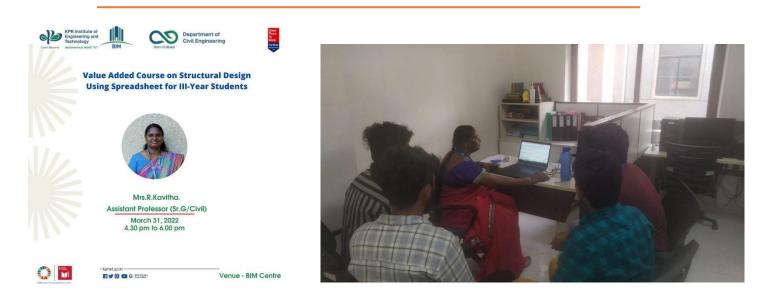


One Credit Course on "Non-Destructive Testing" for III Years





Value Added Course on "Structural Design" for III Years



Session on "Effective Resume Writing and Digital Profile Building" for IV Years





One Credit Course on "Pumps – Sales and Services" for III Years



ISR Activity

School Building Testing in Tribal Area

Lt. A. K. Priya visited the Tribal area and done the consultancy work in order to help the tribal students to study in fully equipped building. This consultancy works includes site visit, rebound hammer test, verbal enquiry. Based on the test we suggested the school building can be used for education purpose.



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Surveying in KPR Mill





Alumni Interaction with II Year Students





Industry Visit by III Year Students



Students from IV Years received Internship from L&T Edutech College Connect

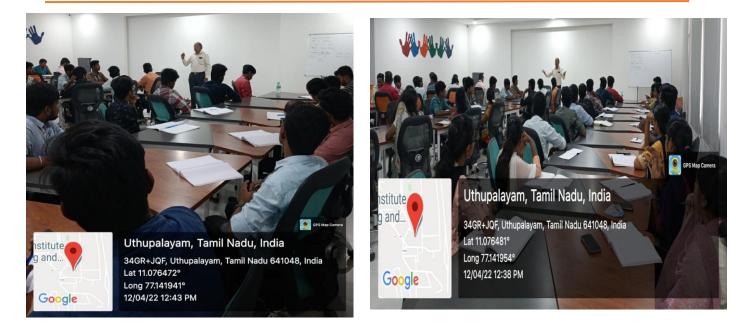


AICTE Lilavati Award

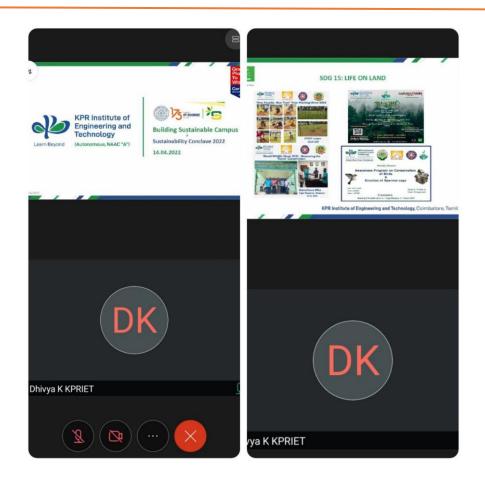
Mrs. R. Kavitha from Department of Civil Engineering received AICTE Lilavati award in Newdelhi. She is the member of women Empowerment cell.



Interactive session to students from the expert from L&T EduTech College Connect



Presentation on Sustainability Conclave '22 in IIT Roorke



Group pictures





Newspaper Corner

The Hindu on 23.03.2022

HINDU 23.3.22



Kasthuri Sreenivasan Trust: Painting exhibition, art gallery premises, Avanashi Road, 10 a.m.

Karpagam Academy of Higher Education: 12th convocation, Dr. K. Sivan, Former Chairman of ISRO Bengaluru to deliver convocation address and distribute degree, Sekkizhar Auditorum, 11 a.m.

Sri Ramakrishna College of Arts and Science for Women: International conference on 'Tamil Literature enhancing human resources', 9.30 a.m.

KPR College of Arts, Science and Research: Aadhaar Mela, 10 a.m.: national conference on 'Prospects and Prosperous of Digital Economy and Financial Inclusion in Rural india', 10 a m.

KPR Institute of Engineering and Technology: Industry conclave, 9.30 a.m.

Sankara College of Science and



KPRiET meet on bridge engineering

Coimbatore, March 19: AICTE Chair Professor – Bridges Dr.V.K.Raina while addressing on 'Development of the Bridge-Form Globally over the past 35 centuries'

at KPR Institute of Engineering and Technology Civil Engineering Conclave 2022 - Bridge Engineering conducted both online and offline mode with participants from across the nation spoke on the historical revolution in Bridge Engineering.

Interestingly, his thought-provoking speech became an eye opener to budding engineers, academicians and industry persons in the field of Bridge Engineering.

Later, he interacted with students, members of faculty and participants. The session was continued with the expert M.Suyambulingam, Retired Chief Bridge Engineer, IRSE Southern

ITSE Southern Railway, who spoke on 'Retrofitting of Bridges' to carry heavy axial load and higher speed trains. Further, R.V.Kasiraj, General Manager & Head, Special Projects & Construction Methods, Plant & Machinery, L&T Constructions, Chennai, Dr. K. P. Ramasamy, Chairman of KPR Groups; Dr. M. Akila, the Principal of KPRIET; Dr. G.Anusha, Head of the Department – Civil Engineering; Practising Civil Engineers; Engineers and consultants from Industry; academicians; participants from various institutions and the Civil Engineering students of KPR Institutions were present at the event.