

# Monthly Newsletter AUGUST 2022



KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")



## **EDITORIAL BOARD**

### **Editor in Chief**

## Dr. G. Anusha

Professor & Head Department of Civil Engineering

## Editor

## Ms. K. Dhivya

Assistant Professor Department of Civil Engineering

## **Student Editors**

Mr. P. R. Shanjai – III Year Mr. S. Avinesh – II Year 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 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.

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**

### Inauguration of Civil Engineering Association

#### Date: 08.08.2022

#### Resource Person: Er. R. Ramakrishnan,

President.

#### Coimbatore Civil Engineers Association (COCENA)

On 8th August, 2022 department of Civil Engineering inaugurated the Civil Engineering association at Thanam hall. KPRIET. Mr.N.Santhosh, IV-A, President, Civil Engineering Association, welcomed the gathering. Dr. G. Anusha, Professor & Head, Department of Civil Engineering, introduced the Office Bearers of the Civil Engineering Association for the academic year 2022-2023.

Co-ordinator Mr. S. Elavarasan, Assistant professor (Sr.G), Department of Civil Engineering, delivered the

annual plan for the academic year 2022-23 which includes various activities such as Field visits, Expert talks, Industry interaction, Internship, Guest Lectures, Symposium, Webinars and Contests.

Chief Guest Mr.R.Ramakrishnan, President, Coimbatore Civil Engineering Association addressed the students on the various opportunities available in Civil Engineering and focused on the skills to be developed by the students to fit into the construction industry.

#### Webinar on "GIS Applications in Traffic Engineering"

#### Date: 18.08.2022

#### **Resource Person: Dr.A.Gandhimathi**

Associate Professor. Kumaraguru College of Technology, Coimbatore.

A webinar on "GIS Applications in Traffic Engineering" was organized by the department to improve the students knowledge in the field of Geographic Information Systems





😡 Thanam Hall

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**KPR** Institute of

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and Traffic Engineering. Dr. A. Gandhimathi, Associate Professor in KCT, Coimbatore elaborated the GIS applications in traffic engineering with live examples on August 18, 2022. Also, she clarified the queries raised by the students and faculty of the department.

#### Webinar on "Prediction of Strength of Building using Machine Learning technique"

#### Date: 18.08.2022

#### **Resource Person: Dr. T. Palanisamy**

Assistant Professor. National Institute of Technology(NITK), Surathkal, Karnataka.

The Department of Civil Engineering organised a webinar on "Prediction of Strength of Building using Machine Learning technique" on 18.08.2022. The main aim of the webinar is to make the students to know the importance of machine learning in the field of civil Engineering. Dr. T. Palanisamy handled the session with application point of view considering the



ongoing projects in his company giving an overview of building strength. He also explained the design process involved in correlating strength of materials and machine learning where the role of a civil engineer is crucial.

#### Industry Lecture on "Advancement in Surveying Technique"

#### Date: 10.08.2022

**Resource Person: Er. T. Thilak Ranjith** Partner, Land Coordinate Technology, Chennai The Department of Civil Engineering organized an industry lecture on "Advancement in Surveying



is to show the surveying techniques using modern technology such as drone surveying, total station, etc.,

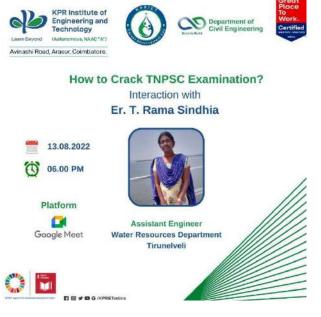
#### Alumni Interaction on "How to crack TNPSC Examination"

#### Date: 13.08.2022

#### Resource Person: Er. T. Rama Sindhia

Assistant Engineer, Water Resources Department, Tirunelveli.

Alumni interaction was arranged by the department of Civil Engineering on 13.08.2022 on the topic "How to crack TNPSC Examination?" by Er. T. Rama Sindhia. She shared her experience as Assistant Engineer in the Water Resources department and important tips for preparing for TNPSC examination.



#### Faculty Development Programme on "Cognitive Teaching"

#### Date: 24.08.2022

**Resource Person: Dr. S. Jeyachandran**,

Vice President, Marutham Group.

Civil Engineering department organised the Faculty Development Programme on "Cognitive Teaching". The main aim of the FDP is to make the faculty to know the importance of Cognitive teaching in engineering. Dr. S. Jeyachandran handled the session with latest teaching methodologies with the help of ICTs. He also explained the process involved in correlating strength of teaching and learning methods.



#### ASTHRA

#### **Guest Lecture on "Construction Project Management"**

#### Date: 24.08.2022

#### Resource Person: Dr. S. Jeyachandran

Vice President, Marutham Group.

On August 24, 2022 a guest lecture on "Construction Project Management" was organised by the department of Civil Engineering. Dr. S. Jeyachandran elaborated the concepts involved in project management. He also explained the latest tools which are helpful for construction project management with hands-on-training.



#### Value Added Course on "Drone Survey"

Date: 24.08.2022

#### Resource Person: Mr.A Faheem Ahemed

Final Year Civil, KPRIET

Value added course on "Drone Survey" was conducted by the department of Civil Engineering on 24.08.2022. Mr. A. Faheem Ahemed handled the session with the help of the drones for surveying. Live session on surveying the field was done and process involved in capturing and converting the sensed images to map was demonstrated during the session.



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#### **Alumni Interaction**

#### Date: 24.08.2022

#### Resource Person: Ms. S. Parkavi

Batch 2016-2020 Pursuing Masters in Infrastructure Engineering and Management, NITTTR, Chennai

Mr. Y. Elangovan Batch 2017-2021 Pursuing Masters in Water **Resources Department, NIT Calicut** 



KPR Institute of Engineering and Technology

Mr. Y. Elangovan (2017-2021) Masters in Water Resources Department NIT, Calicut

27.08.2022 000000 11:00 am O The Legend, KPRIET Convenors Dr. S. Kanmani Mr. V. Kavin Kumar

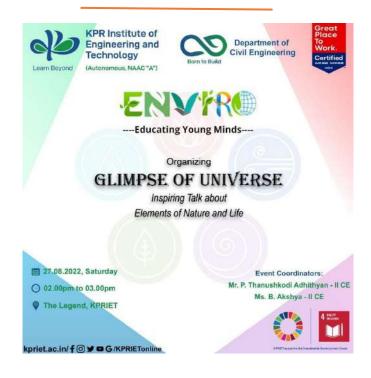
Student Coordinators Ms. R. Vinotha III CE Ms. R. Shiyamala III CE

#### Quiz Competition on "IS456 - 2021"

#### Date: 27.08.2022

Learn Beyond	KPR Institute of Engineering and Technology (Autonomous, NAAC "A")	Bern to Build	Department of Civil Engineering	ASCE STUDENT CHAPTER KPR Institute of Engineering and Technology	Great Place To Work. Certified
Avinashi Road	l, Arasur, Coimbatore.				INDIA
	NATION	AL LEVE	L QUIZ COI	MPETITION	
			ON		
	IS	45	6-2	2021	
	The H	loly Boc	ok of Civil	Engineers	
	р	articipate	& win e-Cert	ificate	
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	Regist		ster for free k : https://bit.l	y/3Crb5nB	
		tration Lini	k : https://bit.ly nt Coordinato		

Inspiring Talk on "Glimpse of Universe - Inspiring talk about element of nature and life"



## Value Added Course on Primavera



## **Faculty Achievements**

S.No	Name of the Faculty	Name of the Course	Organizing Institute	Level
1	Dr.S Kanmani	GRANT - KPRIET for (RuTAG project)	KPRIET	Rs.100000/-

## **Faculty Participation**

S.No	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1	Ms. K. Dhivya	FDP	Advances in Analytical Techniques	SRM Institute of Science and Technology	25.07.2022 to 30.07.2022
2	Ms. K. Dhivya	Others	Innovation Ambassador Training (IA) "Foundation Level"	MOE's Innovation cell and AICTE	15 Sessions of 30 Hours Issue Date: 04.08.2022
3	Dr.R.Dharmaraj	Innovation Ambassador course	Advanced Level Innovation Ambassador training	Ministry of Education - Innovation Cell	06.08.2022
4	Mr. S. Yuvaraj	Webinar	Training programme on IPR	Intellectual Property Office and MoE's Innovation Cell, India	08.07.2022
5	Mr. S. Yuvaraj	Webinar	Intellectual Property Rights	DST and TNSCST	04.08.2022

## **Students Achievement**

S.No	Student	Class	Achievement	Organizer
1	R Kanithra, II Civil B Akshay, II Civil II Civil Contest Winners B Santhoshi, II Civil		SA, KPRIET	
2			Silambam Mass world record attempt on 15.08.2022	Indian Book of World Records
<b>11  </b> P a	PPR Institution Congratulations Mr. P. Tamilmani / IV for having 100 + certificates during the ye 2019-2022 A dream becomes a goal when a retaken toward of a echievem -bo Ber Congratulations	and ac 1/3 II A ar ar ar ar netti netti	<image/>	22 al

## **Students Participation**

S.No	Student	Class	Nature of Program	Name of the program	Organizer	Date
1	Mr. P. Bhuvaneshwaran	III B	Quiz	Har Ghar Tiranga Quiz	Ministry of Culture	08.08.2022
2	Mr. P. Bhuvaneshwaran	III B	Quiz	Specialization Quiz - Online Financial Fund	Ministry of Home Affairs	08.08.2022
3	Ms. P. Bhuvaneshwaran	III B	Quiz	Handloom Day 2022	Ministry of Textiles	08.08.2022
4	Mr. P. Bhuvaneshwaran	III B	Quiz	Hai Hum Quiz 2.0	Divyangjan	08.08.2022
5	Mr. P. Bhuvaneshwaran	III B	Quiz	Indian Traditional Knowledge	CSIR	08.08.2022
6	Mr. K. Hariharan	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
7	Mr. T. Jeeva	III B	Quiz	Quiz on 75 Years of India's Freedom	Ministry of Defence	08.08.2022
8	Mr. T. Jeeva	III B	Quiz	Mandu - The city of Love & Loss	Ministry of Tourism	08.08.2022
9	Mr. T. Jeeva	III B	Quiz	TEEJ - The celebration of Unification	Ministry of Tourism	08.08.2022
10	Mr. T. Jeeva	III B	Quiz	PCRA Conservation Quiz 14.0	PCRA	08.08.2022
11	Mr. S. Kalaiarasu	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
12	Mr. S. Naveen	III B	Certificatio n Course	The Fundamentals of Digital Marking	The Open University	06.08.2022
13	Mr. S. Naveen	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
14	Mr. S. Naveen	III B	Quiz	PCRA Conservation quiz 14.0	PCRA	08.08.2022
15	Mr. S. Naveen	III B	Webinar	Geosynthetic Reinforced Soil– Integrated Bridge System (GRS–IBS) for Transportation Bridge Construction"	Fabricated Geomembrane Institute	04.08.2022
16	Mr. S. Naveen	III B	Quiz	Quiz on 75 years of India's Freedom	Ministry of Defence	08.08.2022

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17	Ms. V.M. Rahuma	III B	Pinning a Flag	Pinning a Flag	Ministry of Culture	08.08.2022
18	Ms. V.M. Rahuma	III B	Quiz	PCRA Conservation Quiz 14.0	PCRA	08.08.2022
19	Ms. V.M. Rahuma	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
20	Mr. K. Siva	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
21	Mr. K. Siva	III B	Quiz	Handloom day 2022 quiz	Ministry of Textiles	08.08.2022
22	Mr. K. Siva	III B	Quiz	Indian Traditional Knowledge	CSIE	08.08.2022
23	Mr. A. Sreedharan	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
24	Mr. A. Sreedharan	III B	Quiz	Handloom Day 2022 Quiz	Ministry of Textiles	08.08.2022
25	Ms. V. Varunika	III B	Quiz	Handloom Day Quiz 2022	Ministry of Textiles	08.08.2022
26	Ms. V. Varunika	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
27	Ms. V. Varunika	III B	Quiz	Specialization Quiz - Online Financial Fraud	Indian Cyber Crime	08.08.2022
28	Mr. G. Vijayakumar	III B	Quiz	Specialization quiz - Online Financial Fraud	Indian Cyber Crime	08.08.2022
29	Mr. G. Vijayakumar	III B	Quiz	PCRA Conservation Quiz 14.0	PCRA	08.08.2022
30	Mr. G. Vijayakumar	III B	Quiz	Quiz on Shoonya - Zero Pollution Mobility Campaign in India	NITI Aayog	08.08.2022
31	Mr. G. Vijayakumar	III B	Quiz	Centre for High Technology - Swacch Bharat Quiz	Centre for High Technology	08.08.2022
32	Mr. G. Vijayakumar	III B	Quiz	Centre for High Technology - Fuel Cell Quiz	Centre for High Technology	08.08.2022
33	Mr. G. Vijayakumar	III B	Quiz	Centre for High Technology - Waste Management Quiz	Centre for High Technology	08.08.2022
34	Mr. M. Pragadesh	III B	Quiz	PCRA Conservation Quiz 14.0	PCRA	08.08.2022

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35	Mr. M. Pragadesh	III B	Quiz	Specialization Quiz - Online Financial Fraud	Indian Cyber Crime	08.08.2022
36	Mr. M. Pragadesh	III B	Quiz	Indian Traditional Knowledge	CSIR	08.08.2022
37	Mr. M. Shanmugasundar	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
38	Mr. P.R. Shanjai	III B	Quiz	Handloom Day 2022 Quiz	Ministry of Textiles	08.08.2022
39	Mr. P. R. Shanjai	III B	Quiz	Har Ghar Tiranga	Ministry of Culture	08.08.2022
40	Mr. P. R. Shanjai	III B	Quiz	75 Years of India's Freedom	Ministry of Defence	08.08.2022
41	Mr. P. R. Shanjai	III B	Quiz	Specialization Quiz - Online Financial Fraud	Indian Cyber Crime	08.08.2022
42	Mr. P. R. Shanjai	III B	Quiz	PCRA Conservation Quiz 14.0	PCRA	08.08.2022
43	Mr. P. R. Shanjai	III B	Quiz	Concrete for High Technology - Swacch Bharat Quiz	Centre for High Technology	08.08.2022
44	Mr. P. R. Shanjai	III B	Quiz	TEEJ- The celebration of Unification	Ministry of Tourism	08.08.2022
45	Ms. R. Shiyamala	III B	Webinar, certificate course	Udemy, upgrad, college events	Kpr institute of engineering and technology, sengunthar engineering college	12.01.2022 to 10.08.2022
46	Ms. R. Shiyamala	III B	Webinar	Event	Kpr institute of engineering and technolog	12.06.2022
47	Ms. R. Shiyamala	III B	Certificatio n course	course	Upgrad	15.06.2022
48	Ms. R. Shiyamala	III B	Quiz	Event	Kpr institute of engineering and technology	17.07.2022
49	Ms. R. Shiyamala	III B	Music	Singing	Banaari amman women engineering college	12.02.2022
50	Ms. R. Shiyamala	III B	Quiz	Quiz	Kpr institute of engineering and technology	12.05.2022
51	Ms. R. Shiyamala	III B	Quiz	Quiz	IIT	15.04.2022

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52	Ms. R. Shiyamala	III B	Quiz	Quiz	IIT	17.03.2022
53	Ms. R. Shiyamala	III B	Webinar	Webinar	IIT	12.05.2022
54	Ms. R. Shiyamala	III B	Webinar	Bridge Conclave	Kpr institute of engineering and technology	12.04.2022
55	Ms. R. Shiyamala	III B	Webinar	Webinar	IIT	17.03.2022
56	Ms. R. Shiyamala	III B	Course certificate	Great learning	Great learning	18.06.2022
57	Ms. R. Shiyamala	III B	Webinar	Webinar	Kpr institute of engineering and technology	12.07.2022
58	Mr. P. Tamil Mani	IV A	Pinning A Flag	Event	Azadi Ka Amrit Mahotsav	11.08.2022
59	Mr. P. Tamil Mani	IV A	Oru Pakka Kathai	Writing Competitioin	Rotary club	01.07.2022
60	Mr. P. Tamil Mani	IV A	Quiz	Student Learning Assessment	Aicte	21.07.2022
61	Mr. P. Tamil Mani	IV A	Kamakhya Walks	Quiz	My Gov	26.08.2022
62	Mr. P. Tamil Mani	IV A	Mandu	Quiz	My Gov	26.08.2022

## **Industry Visit by Faculty Members**

S. No.	Date	Activity / Follow up	Name of the industry
1	06.08.2022	Industry Visit (Faculty and Students)- MoU	CNI
2	06.08.2022	Industry Visit (Faculty and Students)	RMC plant at karanampettai
3	06.08.2022	Industry Visit(Faculty and Students)	RMC plant at karumathampatty
4	06.08.2022	Industry Visit (Faculty and Students)	Kadaieswari ready mix plant
5	06.08.2022	Industry Visit (Faculty and Students)	AR Fascinates
6	04.08.2022	Industry Visit – Mr.Ganeshkumar & Mr Venkatraman	Castle design, VR Design and TSM Builders, Tiruppur
7	13.08.2022	Hands on training for Non teaching faculty	Alzum geo Civil Engineering services Pvt. Ltd. Coimbatore.
8	04-08-2022	Mr. S. Ganeshkumar Mr. S. Venkatraman	TSM Builders, Tiruppur

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9	04-08-2022	Mr. S. Ganeshkumar Mr. S. Venkatraman	VR Designs, Tiruppur
10	04-08-2022	Mr. S. Ganeshkumar Mr. S. Venkatraman	Castle Designs and Constructions, Tiruppur
11	27-08-2022	Mr. S. Ganeshkumar Mr. D. Vivek	Architha Construction, Coimbatore
12	27-08-2022	Mr. S. Ganeshkumar Mr. D. Vivek	Prasanth Constructions, Coimbatore
13	27-08-2022	Mr. S. Ganeshkumar Mr. D. Vivek	Srri Balaji Associates, Coimbatore
14	29-08-2022	Mr. S. Vinoth Mr. S. Elavarasan	KM Associates, Coimbatore
15	29-08-2022	Mr. S. Vinoth Mr. S. Elavarasan	Civil Shield Technology, Coimbatore
16	29-08-2022	Mr. S. Vinoth Mr. S. Elavarasan	Dee Blue Associate, Tiruppur

## **Faculty Publication**

- S. Thanigaivel, A. K. Priya and ett al Published paper on the title "Exploration of effective biorefinery approach to obtain the commercial value-added products from algae" in Sustainable Energy Technologies and Assessments, SCI, June 2022.
- A. K. Priya and ett al published paper on the title "Biosorption of heavy metals by microorganisms: Evaluation of different underlying mechanisms" in Chemosphere, SCI, Volume 307, Part 4, November 2022.
- Lalitha Gnanasekaran, A. K. Priya and ett al published paper on the title "The influence of heterostructured TiO<sub>2</sub>/ZnO nanomaterials for the removal of azo dye pollutant" in Chemosphere, SCI, Volume 308, Part 1, December 2022.
- Jayaprakash Sridhar, Ganesh Bhausaheb, Vivek D and ett al published paper on the title "Response Surface Methodology Approach to Predict the Flexural Moment of Ferrocement Composites with Weld Mesh and Steel Slag as Partial Replacement for Fine Aggregate", in Hindawi Advances in Materials Science and Engineering, SCI, Volume 2022, Article ID 9179480, 9 pages.

## Gallery

COFFEE WITH MENTEES Date: 05.08.22 Venue : Royal kitchen

Points Discussed Value added course NPTEL status ACI membership Trimble certification TNPSC registration













II year Civil B Field Visit - RMC Plant Date - 06.08.2022



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## III Year Industry visit to Balakrishna Engineering Works















