



Department of  
Civil Engineering



# Monthly Newsletter

SEPTEMBER 2022



Learn Beyond

KPR Institute of  
Engineering and  
Technology

(Autonomous, NAAC "A")



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## EDITORIAL BOARD

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**Dr. G. Anusha**

Professor & Head

### Editor

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**Ms. K. Dhivya**

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### Student Editors

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**Mr. S. Siddarth** – III Year

**Mr. S. Prasanna** – IIIYear

### 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 Organized

### FDP on “Outcome Based Education – Session I”

**Date:** 05.09.2022

**Resource Person:** Dr. C. Jayaguru,  
Professor,  
PSNA College of Engineering and Technology, .

On September 7, 2022 department of Civil Engineering organized an FDP on "Outcome Based Education – Session I" at The Legend.

The following contents were delivered by the expert during the program. He started with the creation of a link between the Course Outcomes (COs) and program outcomes (POs), for each lesson and assessment is called CO-PO Mapping. It helps to encourage and apply Outcome Based Education for attaining a futuristic approach towards education along with improved learning outcomes. There are four levels of outcome such as Course Outcome (CO), Program Outcome (PO), Program Specific Outcome (PSO) and Program Educational Objective (PEO). Course Articulation Matrix shows the educational relationship (Level of Learning achieved) between Course Outcomes and Program Outcomes for a Course. This matrix strongly indicates whether the students can achieve the course learning objectives. POs are statements about the knowledge, skills, and attitudes (attributes) the graduate of a formal engineering program should have. POs deal with the general aspect of graduation for a particular program, and the competencies and expertise a graduate will possess after completion of the program. Total 28 faculty members actively took part into the session.



The poster for the Faculty Development Programme on Outcome Based Education - Session I features the following information:

- Logos:** KPR Institute of Engineering and Technology (Autonomous, NAAC 'A'), Department of Civil Engineering, and Great Place to Work Certified.
- Title:** Faculty Development Programme on Outcome Based Education - Session I
- Resource Person:** Dr. C. Jayaguru, Professor / Civil Engineering, PSNA College of Engineering and Technology, Dindigul.
- Event Details:** Date: 05.09.2022, Time: 10.30 A.M., Location: The Legend.
- Additional Logos:** Sustainable Development Goals and a calendar icon.



## National Level Symposium on Concrete Day “Concrete Marathon 22”

**Date: 07.09.2022**

**Resource Person: Dr. A. Sudhahar,**  
CEO - Dimensions,  
President – Indian Concrete Institute,  
Coimbatore Chapter, Coimbatore.

**Mr. R. Gokulakrishnan,**  
Alumni (2010 – 2014),  
Managing Director,  
VR Designs & Constructions

The technical programme "Concrete Marathon 22" was organized by the department of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore in view of Concrete day on 07.09.2022. Chief Guest Dr. A. Sudhahar, CEO, Dimensions, President, Indian Concrete Institute -Coimbatore Chapter and Guest of honour our alumni from batch (2010 - 2014) Mr. R. Gokulakrishnan, MD, VR Designs and Constructions, Coimbatore, inaugurated the programme. The presidential address was delivered by head of the department Dr. G. Anusha, KPRIET. Dr. A. Sudhahar emphasized the importance of modern inventions in concrete and the various mix design guidelines onto the attendees and explained about the activities of ICI to the students. Students cleared their doubts regarding ICI student chapter. He also explained students about the current trends and advancements in concrete materials as on today's technology. Mr. Gokulakrishnan discussed his experience working in the construction industry as well as the significance of the concrete mix for concreting. He is a Managing director of the company VR Designs and Constructions and alumni of our college. He explained students about the entrepreneurship in civil engineering field.

During the event, a variety of activities including technical paper presentations, poster presentations, code cracking, and connections were held. More than 170+ participants from various



institutions took part in the event. Internal and external participants actively took part into the events and participated. In the valedictory function, prizes were given out to the winners.



### Session on “The Realm of VR in Training”

**Date:** 15.09.2022

**Resource Person:** Mr. Kumaran Raja,  
Managing Director and CMO,  
DSOL Global, Academy and Consulting.

On September 15, 2022 department of Civil Engineering organized a Session along with Centre of Excellence – BIM, and ASCE Student chapter on the topic “The Realm of VR in Training” at The Legend for the Faculty members. He explained about the importance and application of VR in Civil Engineering. Totally 28 faculty members actively engaged into the session.



**Engineers Day Celebration**

**The Realm of VR in Training**

**Resource Person**  
Mr. Kumaran Raja  
Managing Director and CMO  
DSOL Global  
Academy & Consulting

15.09.2022, Thursday  
02.30pm to 04.00pm  
The Legend, KPRIET

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ASCE  
BIM  
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## Hands on Training on “Structural Analysis and Design using ETABS”

**Date:** 13.09.2022 to 24.09.2022

**Resource Person:** Mrs. R. Kavitha,  
Assistant Professor,  
Department of Civil Engineering.

Logo of KPR Institute of Engineering and Technology (Learn Beyond, Multidisciplinary, NAAC 'A'), BIM (Born to Build), and Department of Civil Engineering.

**Hands on Training on Structural Analysis and Design using ETABS**

  
Mrs. R. Kavitha,  
Assistant Professor (Sr.G/Civil)

Sep 13-24, 2022  
2.30 pm to 4.00 pm  
BIM Centre

Coordinator:  
Mr. M. Ram Vivekananthan  
Assistant Professor (Civil)

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**Hands on training on Structural Design and Analysis using ETABS**

For final year students

15th September 2022

## All India Seminar on “Advances in Hazardous Waste Management Technology”

**Date:** 29.09.2022 to 30.09.2022

**Resource Person:** Mr. Prasanth omanakuttan,  
Managing Partner,  
Green era Recyclers,  
Coimbatore.  
**Dr. M. Karthik,**  
Assistant Professor,  
CIT, Coimbatore.  
**Dr. M. Ibrahim Bathusa,**  
Professor,

The Institution of Engineers (India)  
Coimbatore Local Centre  
in association with  
Department of Civil Engineering  
KPR Institute of Engineering and Technology  
Coimbatore  
Cordially invites you for  
**All India Seminar**  
on  
**Advances in Hazardous Waste Management Technology**  
29th & 30th Sept 2022

 Mr. Prasanth Omanakuttan  
Managing Partner  
Green Era Recyclers, Coimbatore

 Dr. M. Karthik  
Assistant Professor  
CIT, Coimbatore

 Dr. M. Ibrahim Bathusa  
Professor (CAS)  
PSG Tech, Coimbatore

 Dr. G. Anusha  
Professor & Head / Civil  
KPRIET, Coimbatore

 Dr. S. Balasubramanian  
Professor & Head / Chemical  
KPRIET, Coimbatore

Venue : Thanam Hall  
Time : 09.00 AM - 04.00 PM

Dr. S. Shanmugam FIE  
Chairman

Dr. J. Krishnamoorthi FIE  
Honorary Secretary

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PSG College of Technology, Coimbatore.

**Dr. G. Anusha,**

Professor & Head /Civil  
KPRIET.

**Dr. S. Balasubramanian,**

Professor & Head /Chemical,  
KPRIET.



Department of Civil Engineering organized All India Seminar on “ Advances in Hazardous Waste Management Technology” Sponsored by IEI. The seminar was handled by various guest speakers. Totally 90 internal and external participants participated in the seminar and presented their paper in the seminar.

### Workshop on “AutoCAD in Association ICI Student Chapter”

### Expert Talk on “Opportunities for Civil Engineers in Steel Detailing”

KPR Institute of Engineering and Technology  
Learn Beyond (Autonomous, NAAC 'A')  
Avinashi Road, Arasur, Coimbatore.

Department of Civil Engineering

Training on AutoCAD  
in association with  
ICI Student Chapter, Coimbatore

**A**  
CAD

**AutoCAD**

Workshop Contents  
Drawing Tools, Dimensioning, Layers & Block,  
2D Drawings

Training Period  
Sep 25 - Oct 31

SUSTAINABLE DEVELOPMENT GOALS

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KPR Institute of Engineering and Technology  
Learn Beyond (Autonomous, NAAC 'A')

Department of Civil Engineering  
Bharo-Bharo

Great Place To Work Certified

Organizes  
**Expert Talk**  
on  
**Opportunities for Civil Engineers in Steel Detailing**

Resource Person  
**Er. Shanjeev Balajothi**  
Detailing Manager & CEO  
Ayari Venture, USA

28.09.2022, Thursday  
09.30am to 10.30am  
Veena Hall, KPRIET

Staff Coordinators:  
Mr. S. N. Vigneshwaran (CIVIL)  
Mr. P. Rajeshran (AP/CIIL)  
Mr. S. Balasubramanian (AP/DCE)

Student Coordinators:  
Mr. S. Siddarth (ICE)  
Ms. L. Anshu Kanya (ICE)

APRIET Institute of Sustainable Development Goals  
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### Faculty Participation

S.No	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1	Mr. S. Yuvaraj	Webinar	Training programme on IPR	Intellectual Property Office and MoE's Innovation Cell, India	08.07.2022

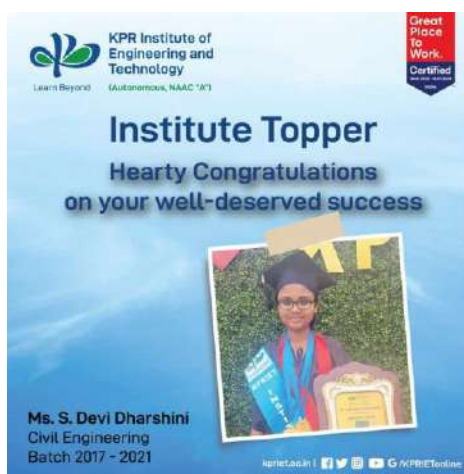
2	Dr. G. Anusha	Webinar	Intellectual Property Rights	DST and TNSCST	04.08.2022
3	Ms. K. Dhivya	FDP	Remote Sensing, GPS, and GIS in Engineering	NITTTR, Chandigarh	22/08/2022 to 26/08/2022 (One Week)
4	Mr. S. Yuvaraj	FDP	Remote Sensing, GPS and GIS in Engineering	NITTTR, Chandigarh	22/08/2022 to 26/08/2022 (One Week)
5	Mr. S. Yuvaraj	FDP	One Week National Level FDP on Futuristic Research Scope in Civil Engineering	CK College of Engineering and Technology	23.08.2022 to 27.08.2022
6	Mr. S. Yuvaraj	Session Chair	Third International Conference on Advances in Physical Sciences and Materials	KPR Institute of Engineering and Technology	18.08.2022 to 19.08.2022
7	Dr. G. Anusha	FDP	Remote Sensing, GPS and GIS in Engineering	NITTTR, Chandigarh	22/08/2022 to 26/08/2022 (One Week)
8	Ms. K. Dhivya	Training	Fundamentals of Building Information Modelling	Skill bind Education	10.09.2022

### **Faculty as a Resource Person**

S.No	Name of the Faculty	Type of Program	Title of the Program	Organising Institute	Date
1	Dr. V. Rajeshkumar	Webinar	Hierarchy of domestic wastes	KPRIET	25.09.2022
2	Dr. V. Rajeshkumar	Webinar	Solid Waste Management	Shree Venkateshwara Hi-Tech Engineering College	21.09.2022

### Students Achievement

S.No	Student	Class	Achievement	Organizer
1	Mr. P. R. Shanjai Ms. S. Shri Dharshini	III	Won Special Jury Award	Association of Consulting Civil Engineers (ACCE)
2	Ms. S. Devi Dharshini	BE Batch (2017 -2021)	Achieved the Institution Topper in 9 <sup>th</sup> Graduation Day	KPRIET
3	Mr. N. Gokul	ME Batch (2019 – 2021)	Department Topper in 9 <sup>th</sup> Graduation Day	KPRIET
4	S Akilesh	III	For placing silver in drill	All India Vayu Sainik Camp 2022



### **Faculty Publication details**

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- Dr. G. Anusha and ett al published paper on the title “Study on paver blocks using waste plastics and sugarcane bagasse ash” in Scopus, Materials Today: Proceedings.
- S. Manisha, S. Vinoth and ett al published paper on the title “Double skin rubberized steel fiber mixed composite column” in Scopus, Materials Today: Proceedings.
- S. Yuvaraj and ett al published paper on the title “Influence of corrosion inhibitors in reinforced concrete – A state of art of review” in Scopus, Materials Today: Proceedings.
- V. Rajeshkumar, S. Vinoth, S. Yuvaraj and ett al published paper on the title “A review on effects on CBR value by using geosynthetics” in Scopus, Materials Today: Proceedings.
- Meenakshi B S and ett al published paper on the title “Potential usage of E waste as tiles with latex coating” in Scopus, Materials Today: Proceedings.
- R. Dharmaraj and ett al published paper on the title “Effect of organic inhibitor on the corrosion behaviour of reinforced cement concrete” in Scopus, Materials Today: Proceedings.
- R. Dharmaraj , P. Manikandan and ett al published paper on the title “Study of impact of crumb rubber used as an aggregate in concrete mix” in Scopus, Materials Today: Proceedings.
- R. Dharmaraj and ett al published paper on the title “Strength characteristics properties of papaya leaf extract as green inhibitor in concrete” in Scopus, Materials Today: Proceedings.
- R, Dharmaraj, S. Logeswaran and ett al published paper on the title “An experimental investigation on improvement of concrete serviceability by

using ferro sialate based bacterial concrete development” in Scopus, Materials Today: Proceedings.

- S. Elavarasan, A. K. Priya and ett al published paper on the title “Experimental studies on pervious concrete reinforced with polypropylene fiber” in Scopus, Materials Today: Proceedings.
- R. Dharmaraj, S. Maruthivenkatesh and ett al published paper on the title “Resilience and sturdiness of the foundry sand as a result of the partial substitution of cement and fine aggregate” in Scopus, Materials Today: Proceedings.
- P. Indhiradevi and ett al published paper on the title “Experimental study of paver blocks using palm shell and coconut shell” in Scopus, Materials Today: Proceedings.
- P.V. Nidheesh, Akeem Adeyemi Oladipo, Nael G. Yasri, A.R. Laiju, V.R. Sankar Cheela, Chintalavalasa, Vizianagaram, Abdoulaye Thiam, Yemane G. Asfaha , S Kanmani published paper on the title “Emerging applications, reactor design and recent advances of electrocoagulation process”, SCI in Process Safety and Environmental Protection.

### Faculty Industry Visit

S.No	Name of the Industry	Visit Date	Name of the Faculty's
1.	YCR Builders, Erode	02-09-2022	Mr. S. Ganeshkumar Mr. S. Yuvaraj
2	Greensky Constructions, Erode	02-09-2022	Mr. S. Ganeshkumar Mr. S. Yuvaraj
3.	Sri Ranga Builders, Erode	02-09-2022	Mr. S. Ganeshkumar Mr. S. Yuvaraj
4.	Inhabitat and Buildscape, Coimbatore	20-09-2022	Mr. S. Yuvaraj Dr. G. Anusha Mr. V. Kavinkumar

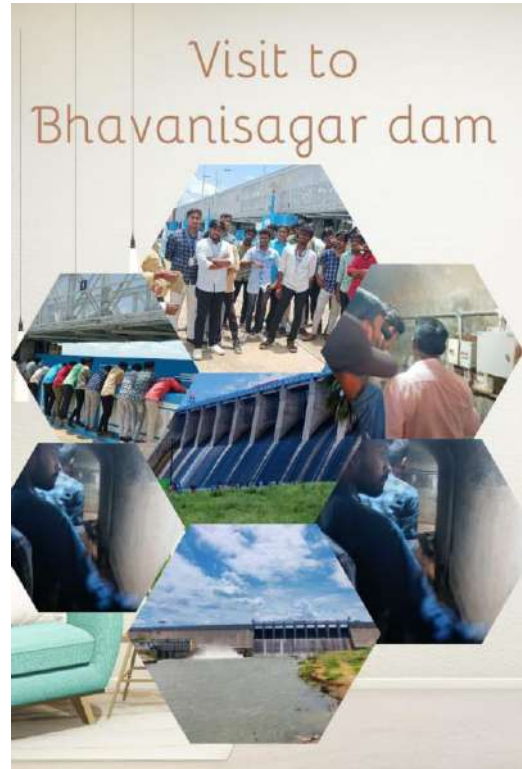
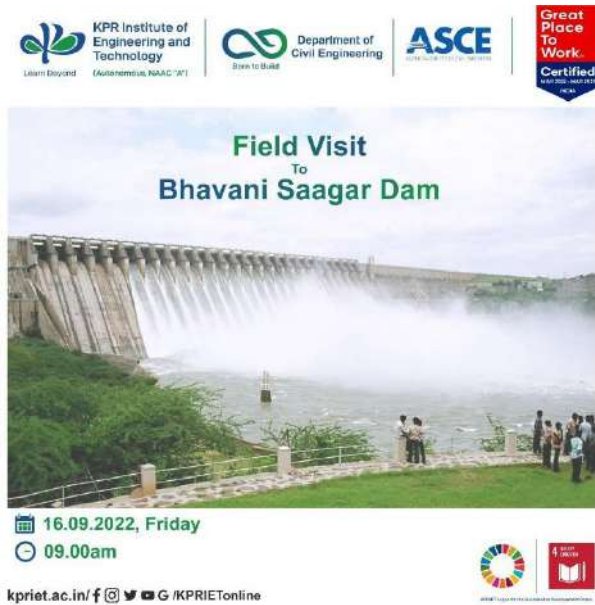
5.	Metis Structures, Coimbatore	20-09-2022	Mr. S. Yuvaraj Dr. G. Anusha Mr. V. Kavinkumar
6.	CSIR- SERC, Chennai	26-09-2022	Mrs. B. S. Meenakshi Mr. S. Yuvaraj Mr. S. Ganeshkumar
7.	Ayari Venture, Tirupur	29-09-2022	Mr. S. Yuvaraj Mr. S. Ganeshkumar

### Consultancy Details

S.No	Name of the Laboratory	Amount Received
1	Concrete and Highway Engineering Laboratory	Rs. 5,310 /-
2	Soil Mechanics Laboratory	Rs. 14,160 /-
3	Strength of Materials Laboratory	Rs. 1200 /-
4	BIM COE	Rs. 3,200 /-
<b>TOTAL</b>		<b>Rs. 23,870 /-</b>

Other Activities

Field Visit to Bhavani Sagar Dam



Industrial Visit to CSIR – SERC Chennai



### KPR Site Visit



### Boot Camp to I Year Students

**KPR Institute of Engineering and Technology**  
Let'sm Beyond (Autonomous, NAAC 'A')

## Exploring Civil Engineering Boot Camp

19.09.2022 to 24.09.2022

**Session 1: Visualizing dreams into reality**  
Mr. M. Ram Vivekananthan  
Assistant Professor - CE  
09.00 am - 12.45 pm

**Session 2: Try Interesting Engineering (Bridge Making Contest)**  
Mr. A. Vasudev  
GATE Trainer - CE  
02.00 pm - 04.00 pm  
Venue: CE Dept.

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Co-Workshop:  
Dr. R. Saravanan Kumar, AsP - CE  
Mr. S. Elavarasan, AP (Sr. G.) - CE  
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## Skill Development Activity by Mentors to Mentees



Avinashi Road, Arasur, Coimbatore.

### Value Added Course on AutoCadd for III- Year A, B



II year Civil  
Laboratory Video Content  
Date - 03.09.2022



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### Skill and Career Development Activity for III CE B



## Product Team Discussion

Teams from Civil II A, II B and III A  
Team Products : Smart rain gauge, ASCE Fibre boat, 3D printing machine, and workspace



**Skill and Career Development Activity**



**Ms. K. Dhivya, AP**  
**Topic: Digital Profile Building**  
**Timing: 09.00 AM to 10.00 AM**

**Dr. K. S. Elango, AsP**  
**Topic: Resume Building**  
**Timing: 10.00 AM to 10.45 AM**



**Dr. S. Anandaraj, AP (Sr. G.)**  
**Topic: How to prepare for an Interview?**  
**Timing: 11.00 AM to 12.00 Noon**

03.09.2022, Saturday

III CE B Classroom



**EXCLUSIVE TRAINING PROGRAMME FOR III YEAR A - CIVIL STUDENTS**  
**ON 10.09.2022**

**GATE AWARENESS PROGRAMME**  
**FROM 09.00 AM TO 10.45 AM**

**Dr. R. Saravanakumar**  
 Associate Professor  
 KPR Institute of Engineering and Technology

**CAREER DEVELOPMENT AND ESSENTIAL SKILLS**  
**FROM 11.00 AM TO 12.30 PM**

**Mrs. B. S. Meenakshi**  
 Assistant Professor[Sr.G]  
 KPR Institute of Engineering and Technology

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**Teacher's Day Celebration**

**TEACHERS DAY CELEBRATION '22**

*Dear students, thank you all for your love on this wonderful day.*

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## Onam Celebration

