

ASTHRA

April 2023



The Newsletter of
**Department of
Civil Engineering**



**KPR Institute of
Engineering and
Technology**

Learn Beyond

(Autonomous, NAAC "A")

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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. 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 faculty members have their 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, ASCE 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

Mandatory Non-Credit Course on “Indian Constitution”

Date: 29.04.2023

Department of Civil Engineering organized Mandatory non-credit course on "Indian Constitution" to II and III years students in Thanam Hall at KPRIET. The non-credit course on the Indian Constitution will help the students to understand the basic features of the Constitution, such as its federal structure, the separation of powers, and the fundamental rights and duties of citizens. Dr. V. Senthil Kumar, Faculty of Political Science, Government Arts College, Coimbatore explained about the importance of the Indian Constitution to the students of the Department of Civil Engineering at KPRIET.



National Level Workshop on “Sustainable Geotechnics and Case Studies of Failure in Bridge Works”

Date: 27.04.2023

KPR Institute of Engineering and Technology's Department of Civil Engineering, in association with the Indian Geotechnical Society (IGS), recently organized a National Level Workshop and Quiz Contest on April 27, 2023. The event received an overwhelming response from 110 students, including participants from 15 different colleges. The workshop's main objective was to promote “Sustainable Geotechniques and discussed Case Studies of Failures in Bridge Works.” Dr. Anil Jopesh, the President of IGS, delivered an inspiring and informative talk on the topic. His valuable insights and knowledge were truly motivating for all the participants. Dr. P. D. Arumairaj, Chairman, IGS Coimbatore, provided valuable guidance throughout the workshop, and his expertise was instrumental in making the event a grand success. Dr. S.P. Jeyapriya, Honorary Secretary, IGS

Coimbatore, also delivered an informative talk about IGS and its activities, which helped the participants gain a better understanding of the organization and its objectives.



Civil Engineering Association Valediction

Date: 12.04.2023

The Department of Civil Engineering, KPR Institute of Engineering and Technology organized its highly anticipated Valediction Program on April 12th, 2023, at Raagam Hall. The event was held to commemorate the accomplishments of the students, acknowledge the achievements of the academic year 2022-2023, and bid farewell to the outgoing batch of students. The program witnessed the participation of esteemed guest, faculty members and enthusiastic students. The Valediction Program began with the gracious presence of Er. S. C. Muralikumar, Chairman of Top Rock Interiors, as the esteemed chief guest. His vast experience and expertise in the field of civil engineering added great value to the event.



Online Quiz Series I

Date: 07.04.2023

The National Level Online Quiz event organized by the Department of Civil Engineering at KPR Institute of Engineering and Technology dated on 07.04.2023 in association with ICI Student Chapter Coimbatore was a great success. The event aimed to explore the fundamentals of civil engineering and test the knowledge of the participants in the field. The quiz covered various topics such as construction materials, structural design, surveying, transportation engineering, and more. Around 67 students from various institutes participated in this event.

KPR Institute of Engineering and Technology
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Avinashi Road, Arasur, Coimbatore.

75 Azadi Ka Amrit Mahotsav
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ICI

Great Place To Work
Certified
MAA 2021 MAAT 2021
NCA

Department of Civil Engineering
Presents
"National Level"
Online Quiz Series 1
in association with
ICI Student Chapter, Coimbatore

#Play to learn Civil Engineering
join us
on 07.04.2023
<https://forms.gle/Fapo4u58Xqq71NTt8>
Grab your E-Certificate by securing 50%

Student Coordinators
Mr. J. Sam Joel Sarath - 9750141844
Mr. A. Vishwa - 6382207125

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One Credit Course on “Pump Sales & Services”

Date: 05.04.2023 to 06.04.2023

Department of Civil Engineering in association with EKKI International Water Technology Centre organized One credit course on Pump Sales and service from 05.04.2023 to 06.04.2023. The following topics were covered in the course. The Standards & certifications of Pump industry - Materials used in Pump industry, effect of alloying, Properties & applications. Sales Reports - Sales Forecasting - Market Visit - Competitor Study Branding. Pump Selection & Estimation - Pump Installation - Service & Trouble Shooting - Digital Marketing. The students from Civil, Mechanical

and EEE were attended and got benefitted. Totally 5 faculty members taught the course to get in depth knowledge in the course contents.



Industry Conclave 2023

Date: 06.04.2023

Department of Civil Engineering and Industry Institute Partnership Cell of KPR Institute of Engineering and Technology, Coimbatore organized the Second Edition of Industry Conclave on 6th April 2023 at Raagam hall. Dr. G Anusha, Head of the department, welcomed the gathering and emphasized that such conclaves help academia to interact with experts from various industries to identify the needs and latest updates on front-end technologies. Dr. M. Akila, the Principal, highlighted the latest developments, potential demands, and expectations in Construction Industry. Mr. C. J. Raghunathan, Managing Director, Design Forum India Pvt. Ltd, indicated the necessity of having a strong collaboration between academia and industry.



Department Achievement



Received Best Department Award for the academic year 2022 – 2023 in Signature Events 2023

Grants Received

S.No	Name of the Faculty	Grant	Organizing Institute	Amount Granted in Rs
1	Dr. G. Anusha Mr. S. Elavarasan Ms. K. Dhivya	National Level ASCE Student Symposium Grant	ASCE	58079
2	Dr. G. Anusha Dr. K. S. Elango Mr. S. Vinoth	Workshop Grant received from IGS	IGS	20000
3	Mrs. B. S. Meenakshi	Biomimic Innovation Centre - Seed Money	KPRIET and Wonders Inc.	550000

Faculty Achievements

S.No	Name of the Faculty	Name of the Award/Achievements	Organizing Institute	Level
1	Dr. K. S. Elango	For receiving Abdul Kalam Young Research Fellowship	KPRIET	Annual day Awards
2	Dr. S. Kanmani	Best Researcher	KPRIET	Annual day Awards
3	Dr. S. Kanmani	For receiving grant from RuTAG, IIT Madras	KPRIET	Annual day Awards
4	Dr. V. Rajesh kumar	Best club in Sangamam	KPRIET	Annual day Awards
5	Mrs. P. Indhiradevi Mr. S. Vinoth	For receiving outstanding student chapter ICI	KPRIET	Annual day Awards
6	Mrs. S. Bharani	For receiving seminar grant from IEI	KPRIET	Annual day Awards
7	Mr. D. Vivek	Best community service - UBA	KPRIET	Annual day Awards
8	Mr. S. Yuvaraj	For receiving II position in CII-Industry linkage award	KPRIET	Annual day Awards
9	Mr. P. Kalaivanan	Placement Co-ordinator	KPRIET	Annual day Awards
10	Mr. P. Manikandan	Best leader award	KPRIET	Annual day Awards

Signature Events 2023



Dr. K. S. Elango honored for receiving Abdul Kalam Young Scientist Fellowship



Dr. S. Kanmani received Best Researcher Award in Civil Department



Dr. S. Kanmani honored for receiving grant from RuTAG, IIT Madras



Dr. V. Rajesh kumar received Best club in Sangamam



Mrs. P. Indhiradevi and Mr. S. Vinoth honored for receiving outstanding student chapter ICI



Mrs. S. Bharani honored for receiving seminar grant from IEI



Mr. D. Vivek received Best community service - UBA



Mr. S. Yuvaraj honored for receiving II position in CII-Industry linkage award



Mr. P. Kalaivanan as a Placement Co-ordinator



Mr. P. Manikandan received Best Leader Award

Faculty Participation

S.No	Name of the Faculty	Event Name	Date	Organizing Institute
1	Dr. S. Kanmani	Second International Conference on Sustainable Design, Materials and Manufacturing in Engineering	05.04.2023 to 06.04.2023	Dr. NGP Institute of Technology
2	Dr. S. Kanmani	Safety Conclave	08.04.2023	Coimbatore Productivity Council
3	Mrs. S. Bharani	Second International Conference on Sustainable Design, Materials and Manufacturing in Engineering	05.04.2023 to 06.04.2023	Dr. NGP Institute of Technology
4	Mrs. S. Bharani	Second International Conference on Sustainable Design, Materials and Manufacturing in Engineering	05.04.2023 to 06.04.2023	Dr. NGP Institute of Technology
5	Mr. S. Elavarasan	Second International Conference on Sustainable	05.04.2023 to	Dr. NGP Institute of Technology

		Design, Materials and Manufacturing in Engineering	06.04.2023	
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Faculty as Resource Person

S.No	Name of the Faculty	Type of Program	Title of the Program	Organizing Institute	Date
1	Dr. S. Kanmani Mrs. P. Indhiradevi Mrs. S. Bharani Mr. S. Elavarasan Ms. K. Dhivya	One credit course	Pump Sales and Service	KPRIET	05.04.23 to 06.04.23

Faculty Publications

- **R. Kavitha, S. Logeshwaran, S. Sabarinathan and V. Vijai Anand** published paper in the title "Structural analysis and design for a warehouse using STAAD PRO" in Materials Today Proceedings, Scopus, Vol 80
- **R. Kavitha, M. Ram Vivekananthan, K. Dhanagopal, P. Divyabharathi, M. Prabhakaran, M. Ramprathap Anand** published paper in the title "An overview of water proofing system in concrete structures" in Materials Today Proceedings, Scopus, Vol 80
- **Dr. S. Kanmani** and et al published book chapter on "Sustainable Materials: Processes, Technologies and Applications" by Bentham Science Publishers, titled bacterial resistance to antibiotics in groundwater impact to the public health in Scopus
- **Dr. S. Anandaraj, S. Karthik, S. Sylesh, R. Kishor, K. Suresh, K. Jaiprakash, K. A. Dineshkannan** published paper in the title "Experimental investigation on sugarcane bagasse fiber reinforced concrete using bottom ash as sand replacement," Materials Today Proceedings, Scopus, ISSN No: 2214-7853

Faculty Patent Publication

S.No	Name of the Faculty	Title of the Patent	Status
1	Dr. K. S. Elango	Namib Beetle Inspired Construction Technology for Effective Fog Water Harvesting	Published

Students Achievements

S.No	Name of the Student	Year	Category/Prize	Organising Institute
1	A. S. Adarsh	II	Winner in Football (Men)	CENTIES Tournament in Nehru Institute of Engineering and Technology, Coimbatore
2	P. R. Mithran	II	Third place in Quiz Competition	Kongu Engineering College
3	K.K. Thitheaswar R Srinithi G Vinumithra	II	First Place in Ideathon, Yukta 23	PSG Institute of Technology and Applied Research
4	Mr. Agastin Jebaraj Mr. Bharathi	II	First Place in pro	PSG Institute of Technology and Applied Research
5	P Thanushkodi adhithyan	II	Third Prize in Book cover design competition	Krishnammal College of Women
6	S Sabarinath, B Santhoshi	II	First Prize in Paper Presentation	Builders Engineering College
7	S Sabarinath,	II	Second Prize in 2D Maze	Builders Engineering College

8	R Thaniska	II	MRDC Medal in MRDC Camp	NCC
9	S Sabarinath,	II	Selected for IITM Summer Fellowship Programme 2023	IITM
10	K K Thitheashwar R Srinithi G Vinumithra P R Mithran R Induja	II	Special category award of Rs.10000/- Seed money for Project development	Innovsense
11	N Dineshkumaar	II	First Prize in AutoCADD Design Competition in Symposium	JCT College of Engineering and Technology, Coimbatore
12	R Kanithra	II	Third Prize in AutoCADD Design Competition in Symposium	JCT College of Engineering and Technology, Coimbatore
13	R Kanithra R Akshay Raj	II	First Prize in Quiz Competition in Symposium	JCT College of Engineering and Technology, Coimbatore
13	G Aarthi G Gayathry Girish	II	First Prize in Poster Presentation in Symposium	JCT College of Engineering and Technology, Coimbatore
14	B Santhoshi	II	Academic topper	Annual day awards KPRIET
15	S Sabarinath,	II	Academic topper	Annual day awards KPRIET
16	M J Chandragowri	III	Academic topper	Annual day awards KPRIET

17	P P Fathimathul Fuhaima	III	Academic topper	Annual day awards KPRIET
18	K Varsihtha	IV	Academic topper	Annual day awards KPRIET
19	R Saranya	IV	Academic topper	Annual day awards KPRIET
20	D Aaravindh	IV	Best library user award	Annual day awards KPRIET
21	F/C P Hemanthkumar	III	Guard of honour Republic day camp	Annual day awards KPRIET
22	F/C M K Jeyasakthivel Mani	III	Guard of honour Republic day camp	Annual day awards KPRIET
23	B Santhoshi	II	English oratorical competition	Annual day awards KPRIET
24	R Kanithra	II	Drawing competition	Annual day awards KPRIET
25	P Tamilmani	IV	Best outgoing student of the year	Annual day awards KPRIET
26	K K Thitheashwar	II	Best student in co- curricular and extra- curricular activities	Annual day awards KPRIET
27	M Sangeetha	III	Best student volunteer in social and community service	Annual day awards KPRIET
28	B Aravind mathavan	IV	Placed at highest package of 9 LPA	Annual day awards KPRIET
29	Kavindharshini	II	Won silver medal in karate state level DO tournament	Annual day awards KPRIET
30	S Jegan	III	Represented all India inter university roller hockey championship	Annual day awards KPRIET

31	E Nandhika B Santhoshi	III II	Runners in anna university zone IX athletic meet	Annual day awards KPRIET
32	G Bhuvaneshwaran Praveen kumar	II I	Overall championship in anna university zone-IX athletics meet	Annual day awards KPRIET

Signature Events 2023



Academic Toppers of Civil Department



Mr. D. Aravindh received Best library user award



F/C P Hemanthkumar received Guard of honour Republic day camp



F/C M K Jeyasakthivel Mani received Guard of honour Republic day camp



B Santhoshi won in English oratorial competition



R Kanithra won in Drawing competition



P Tamilmani received Best outgoing student of the year



K K Thitheashwar received Best student in co-curricular and extra-curricular activities



M Sangeetha received Best student volunteer in social and community service



B Aravind mathavan for being placed at Placed at highest package of 9 LPA



Kavindharshini Won silver medal in karate state level DO tournament



S Jegan honoured for Represented all India inter university roller hockey championship



E Nandhika of III year and B Santhoshi of II year honoured for receiving runners in anna university zone IX athletic meet



G Bhuvaneshwaran of II year and Praveen kumar of I year honoured for receiving Overall championship in anna university zone-IX athletics meet

Student Participation

S.No	Name of the Student	Year	Title of the Program	Type of Program	Organising Institute
1	M Mageswari	II	Emotional and Social Intelligence	Online course	Coursera
2	M Mageswari	II	Product Development using Autocad	Online course	Coursera
3	M Mageswari	II	Intro to Digital Manufacturing with Autodesk Fusion 360	Online course	Coursera
4	M Mageswari	II	Transportation, Sustainable Buildings, Green Construction	Online course	Coursera
5	S Kavin Dharshini	II	Emotional and Social Intelligence	Online course	Coursera
6	S Kavin Dharshini	II	Intro to Digital Manufacturing with Autodesk Fusion 360	Online course	Coursera
7	S Kavin Dharshini	II	Transportation, Sustainable Buildings, Green Construction	Online course	Coursera
8	V P Yoganandham	IV	Second International Conference on Sustainable Design, Materials and Manufacturing in Engineering	Conference	Dr NGP Institute of Technology
9	P Tamilmani	IV	Second International Conference on Sustainable Design, Materials and Manufacturing in Engineering	Conference	Dr NGP Institute of Technology
10	A Charumathy	PG II	Second National Level Quiz Program	Conference	Civil Edu

Industry Visit by Faculty Members

S.No	Name of the Industry	Visit Date	Name of the Faculty(s)
1.	Teemage Precast In, Tiruppur	17. 04. 2023	Mr. S. Yuvaraj Dr. S. Anandaraj

Consultancy Activities

Sl.No	Name of the Laboratory	Amount received (Rs)
1	Concrete and Highway Laboratory	23,666
2	Strength of Materials Laboratory	1,888
3	BIM Lab	10,000
Total		35,554

Student Placement Details

S. No.	Student Name	Company Name	Package
1	Mr. M. Thirumalai Karthick	KNRCL	3 LPA
2	Mr. R. Kishor	KNRCL	3 LPA
3	Mr. S. Sylesh	KNRCL	3 LPA

Department Activities

Consultancy work at Madathukulam Region



Industry Visit by III Year to e-facility



Industry Visit by III Year to Om Muruga Ready-mix Concrete



Technical Visit to Isha Yoga by II year



ASCE Meeting

