

NEWSLETTER

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Learn Beyond

**KPR Institute of
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Trailblazing Feat

The Significance of Science and Culture in Building Harmonious Society

In Association with Tamil Nadu Teacher's Education, Chennai, KPR Institute of Engineering and Technology organized an International Virtual event on 01.08.2021 and 02.08.2021. 107 Educational Institutions were a part of this initiative, which ran for a total of 107 hours continuously. The event focused on building a harmonious society through nurturing the values of culture and instigating the spirit of science among students.

FIT India Badminton Tournament – 2021

In commemoration with the 75th Independence Day Celebration, KPR Institute of Engineering and Technology organised a FIT India Badminton Tournament on 13.08.2021 and 14.08.2021. The tournament kindled the spirit of sportsmanship and camaraderie among the participants.



SAE India Collegiate Club of KPRIET



The SAE India Collegiate club of KPRIET was Inaugurated on 18.08.2021, envisaging to develop the competency of students to participate in motor sports conducted by various national forums like BAJA India. The resource person of the event, Mr. V. Vikraman, Group CoE Head, Vehicle Mechanical Systems, Mahindra Research valley, Chennai, inaugurated the club. In his speech, he highlighted the technological innovations in Vehicle mechanical systems and encouraged the students to enhance their knowledge and skills in assembling.

TEDxKPRIET

An Independently organised TED event, titled TEDxKPRIET was organised on 28.08.2021, to propagate an idea that is worth spreading. A total of 8 Speakers shared their ideas. Dr. M. Akila, Principal KPRIET, spoke on Work – Life Balance. Mr. Rajasethumurali, Social Activist, shared his experience on his community service 'Pasiyara Soru'. Mr. Arun Pandian, Data Scientist at QPAI, deliberated on Engineering: A Sustainable Future, Mr. Pradeep Ramesh, Football Freestyler, touched upon "Why you need to quit Social Media now!", Ms. Pragya Nagra, Actress, enumerated on "Don't let Disappointments Decide your Future", Mr.S. Dhilip, Educationist, presented the "Innovations in Education", Mr. Abhinand Balachandran, Principal AI Researcher, focused his talk on "How AI shapes your future?" and Ms. Samyuktha, Actress, listed the "10 Things I wish 20 Year Old Me Knew".



National Wushu Judges Seminar – 2021



KPR Institute of Engineering and Technology joined hands with Wushu Association of India and Tamil Nadu Wushu Association to conduct a National Wushu Judges Seminar from 28.08.2021 to 02.09.2021. Dr. K.P. Ramasamy, Chairman, KPR Group presided over the function and the Chief Guest of the day was Hon. Minister, Shri. Kaushal Kishore, Union Minister of State, Ministry of Housing & Urban Development, Govt. of India. He deliberated on 'Say no to Drugs' and also stressed on the vitality of martial arts. Towards the end of the event, his excellency commissioned the oath of saying no to drugs and all the members of the event vowed the same. The winners of the seminar were awarded and the participants of wushu presented a spectacular performance.

Free Covid 19 Vaccine Drive

Communal Service to the society is part and parcel of KPRIET's culture. KPRIET has always stood up for a cause and its service has been tremendous and incredible during the pandemic. Adding to its humungous work, KPRIET's yet another initiative is the Free Covid – 19 Vaccination Drive in association with the Government of Tamil Nadu. The drive was organised on 01.10.2021 and it helped in vaccinating more than 350 people in the vicinity. The public expressed their appreciation towards taking the initiative.



Hum fit toh India fit



With respect to AICTE Challenge, KPRIET stepped up to take the challenge of 'Hum fit toh India fit' on 01.10.2021. The objective of taking up this challenge is to change the present scenario that is curbed by pandemic into a healthy society that is favoured by new normal. As a part of this challenge, a multitude of around 1000 students were given an orientation on healthy living and they were given an hands-on experience on yoga and pranayama. The students were highly benefitted by the event. It encouraged them to practice yoga and improve their fitness for a healthy life style.

ISTE Student Chapter Inauguration

The KPRIET inaugurated the ISTE Student Chapter on 05.10.2021 in association with the Indian Society for Technical Education. The event was coordinated by Dr. A. Sankara Subramanian, Principal, GRG Polytechnic College, Coimbatore, Tamil Nadu., Dr. M. Akila, Principal, KPRIET, Dr. M. Kathirvelu, HoD/ECE, KPRIET & Dr. J. Muralidharan, AsP/ECE, KPRIET. The resource person of the event was Dr. Sushanta Tripathy, Ph.D(Industrial Engineering IIT, Kharagpur), Professor, School of Mechanical Engineering Program Chair, KIIT Deemed to be University, Bhubaneswar, Odisha. The objective of the program is to offer a platform for students to enhance their technical skills through research.



Innovsense 2021

The Centre for Innovation, Incubation and Entrepreneurship Development organised an innovation contest titled Innovsense 2021 on 08.10.2021 and 09.10.2021. The objective of the contest is to enhance the problem solving and creative skills of the students. It offers a platform to the students to exhibit their ideas and innovations, so as to turn projects into products. Mr. Thirumoorthy Rangasamy, Director-Projects, Cognizant Technology Solutions, Coimbatore was the resource person for the event. A team of experts from Industries and Academicians evaluated the projects based on three categories, namely Best Idea, Best Innovation and Best Feasibility. Mr. S. Saavanakumar, Sr. Manager Productions, V- Guard Industries Ltd; Mr. S. Akilan, Project & Finance, V-Guard Industries Ltd; Mr. S. Muthusaravanan, Associate Head, Training & Development, Roots Industries; Mr. G. Sivasankaran, Technical Specialist, HCL Technologies were the Jury members. 45 projects were exhibited in the Innovsense contest by students from multiple disciplines out of which 9 projects were awarded with cash prize.



திறமை எளிமை பெருமை – Special Session

KPRIET in association with KPR CAS, KPR IAS Academy and KPR Weed organised a thought provoking and enlightening session titled 'திறமை எளிமை பெருமை' on 20.10.2021. The resource person, Padma Shri. Sridhar Vembu, Founder and CEO, ZOHO illuminated the gathering with his captivating and inspiring talk. He deliberated on the importance of simplicity, competency and honesty. He presented his views through interesting anecdotes and life experiences. The session benefitted a crowd of about 350.



First Year Induction Program & Kurinji Tamil Sangam Inauguration

KPRIET in association with KPR Educational group organised the Inauguration of Kurinji Tamil Sangam and first year Induction Program on 27.10.2021. The Chairman, Dr.K. P. Ramasamy presided over the ceremony. The Chief Guest of the event was Mr. Athappa Manickam Goundar, Chairman, MAK Group of Companies, Coimbatore. In his speech, he insisted on being creative and responsible towards the society and encouraged the budding engineers to excel in their domains. The Guest of Honour, Kavignar Nellai Jeyantha, Poet & Publisher, Vaali Pathippagam, Chennai stressed on the grandeur of the classic language tamil and insisted the students to engage in reading tamil literature. The key note speaker Marapin Mainthan Muthiah, Editor, Namathu Nambikkai, Coimbatore, motivated the students to have a dream and vision to achieve success in life. The logo of the Kurinji Tamil Sangam was also released to mark the advent of spreading the glory of the language. Academicians from KPR College of Arts, Science and Research, KPR IAS Academy and KPR WEED were also a part of the event. Nearly, 940 first year students were highly rejuvenated by the session.



Functioning in Double Harness

BME – MoU with Helix Pvt Ltd, Bangalore Date: 22.10.2021

The Memorandum of Understanding [MoU] was signed between KPR Institute of Engineering and Technology and Helix Pvt. Ltd. Bangalore. Mr J Purushothaman, General Manager, Helix Pvt Ltd, Bangalore signed the MoU with the Institute. He also enlightened the audience on 'Calibration and Testing of Medical Equipment'.



BME – MoU with GEM Hospital Date: 22.10.2021



With a view to enhance the hospital experience of BME students, an MoU was signed between GEM Hospital and KPRIET. The MoU aims at gaining hands on experience in learning the operations of hospital equipment, and in applying the theoretical knowledge in developing new research avenues. The MoU was agreed for a duration of three years. GEM Hospital shall also provide support for curriculum development, guest lectures, projects, R&D support, concessional treatment etc., for the students and faculty members of KPRIET.

CSE - MoU with Growth on Demand LLP Date: 11.08.2021

The Memorandum of Understanding [MoU] signed between KPR Institute of Engineering and Technology and GoD LLP. Mr. Moses Sam Paul, Co-founder GoD LLP, presented the profile of the company and further shared the list of activities planned for KPRIET. Further, Dr.M.Akila, Principal, KPRIET, delivered the felicitation address and clarified the core activities planned by GoD LLP for the students and faculty members of KPRIET.



CSE - MoU with bitsCrunch Date: 25.08.2021



The Memorandum of Understanding [MoU] was signed between KPR Institute of Engineering and Technology and bitsCrunch. Mr Vijay Pravin Maharajan, Founder & CEO, bitsCrunch, Germany presented the profile of the company and shared the possible areas of collaboration. Dr.M.Akila, Principal, KPRIET, delivered the felicitation address and interacted with the industry personnel. Following which, the MoU document was signed by both KPRIET and bitsCrunch.

Civil - MoU with L&T EduTech Date: 06.10.2021



With an objective to impart Skill based learning, the KPR Institute of Engineering and Technology (KPRIET) has signed a Memorandum of Understanding with Larsen & Toubro EduTech (L & T). Ms. Febin, Head - College Connect Business, L&T and Dr. M. Akila, Principal, KPRIET signed the MoU between KPRIET and L & T EduTech. The MoU was inked under the presence of Dr. K.P. Ramasamy, Chairman of KPR group. Mr. R. Ganesan, Head, Corporate Center, L&T Construction and Mr. Ganesh Venkatraman, Regional Manager-South, College Connect L&T EduTech graced the event. The main objective of the MoU is to bridge the gap between Industry and Academia and is instrumental in implementing L & T Centre of Excellence at KPRIET Campus. Through the press release, the Principal, Dr. M. Akila, conveyed, "The liaison between L&T and KPRIET is one of its kind, as KPRIET stands first in establishing industry driven curriculum with L & T EduTech.

Civil – MoU with TiE University, USA Date: 25.10.2021

KPR Institute of Engineering and Technology and TiE University, Coimbatore chapter consented to build cooperation by signing a memorandum of understanding. The MoU was signed by Dr. M. Akila, Principal, KPRIET and Dr. B. Krishnamurthy, Chair, TiE University, Coimbatore chapter. The others who were the part of the occasion were Swati Agarwal, the Executive Director and Pradeep Yuvaraj, Chair, TiE Women of TiE University.



Civil - MoU with Association of Consulting Civil Engineers (India), Coimbatore Centre Date: 28.10.2021



KPR Institute of Engineering and Technology has signed Memorandum of Understanding with ACCE (I), Coimbatore Centre with general objective to foster industry-oriented courses and provide employment opportunities for students in Civil Engineering. The chairman of ACCE(I) Er. J. Premkumar has assured that joining hands with our institution shall entail a new relation between the Students and the Association [Lifetime members of ACCE (I)] in terms of skill development in the ambience in which, students were comfortable. Further students coming in contact with professionals in an out-of-classroom setting can improve their outlook towards their professionals. It also helps faculties and students to take various research and development activities, consulting services, curriculum development and problem- solving techniques in Civil Engineering. Er. J. Premkumar, Chairman and Dr. M. Akila Principal, KPRIET signed the MoU between KPRIET and ACCE (I), Coimbatore Centre.

Loads of Laurels

Student Achievement

- Mr. K. Dinesh, final year Chemical Engineering Student won the Gold Medal in Discus Throw in a State Level Championship organized by Tamilnadu Youth & Sports Development Association.
- Mr. Ramkumar K and Mr. Thirumurugan S of second year Chemical Engineering Department have completed the MATLAB Onramp course.
- Mr. N. Dilipan, III MECH A participated in National Level Skates Kho representing Tamilnadu and Won Gold Medal
- Mr. N. Dilipan, III MECH A participated in Coimbatore District Roller Skating event and Won Gold Medal.
- Mr. G.Krishna Kumar of Mechanical 2020-2024 batch won gold medal in Champions Trophy Online Open international Poomsae and Speed Kicking Championship.
- Mr. G. Gokul of final year Civil received the Cav Dr. GKD Memorial Award for the year 2021 from Institute of Engineers (India) - (IEI), Coimbatore Chapter

Faculty Achievement

- Dr. S. Karunakaran received the Best Faculty Advisor Award 2021 by Institution of Engineers India, Hosur Local Centre, Tamilnadu.
- Dr. A Sowmya received Topper with Elite Silver from NPTEL in the course Trace and Ultra-Trace Analysis of Metals Using Atomic Absorption Spectrometry offered by IISc Bangalore.
- Dr. Vignesh Venkatataraman, Associate Professor, Department of Computer Science and Engineering, has been the recipient of Indian Researcher Award 2021, presented by International Research Organisation for his excellent performance in Academics and Research.

Academic Prowess

BME

Mr. John Amose, Assistant Professor (Sr.G), acted as Resource Person in the two week Faculty Development Program on 'Digital Transformation in Healthcare' at Easwari Engineering College, Chennai on 02.08.2021

Mr. John Amose, Assistant Professor (Sr.G), acted as Resource person in Patrician College of Arts and Science, Chennai on the topic 'Importance of IPs in Academia' 14.09.2021

Mr. John Amose acted as Jury Member at the Yuva Innovators challenge 2021 on 07.09.2021.

Mrs. Rajeshwari R, Assistant Professor (Sr.G), acted as Resource Person at the Institution of Engineers and delivered a lecture on 'Medical Waste Management and its Social Impact' on 05.10.2021

Civil

Lt Dr A K Priya, Associate Professor, acted as Resource Person in a National level Technical Webinar on Eco-Friendly Clean-up Technique - Bioremediation' at St Joseph University on 07.08.2021

Lt Dr A K Priya, Associate Professor, acted as Resource Person in Webinar on '10 Simple ways to protect the Environment' at Sipping thoughts on 17.08.2021

Dr.K.S.Elango, Associate Professor, acted as Resource Person in Webinar on 'Technological Advancements in Construction Industry' at B.T.R Construction, Erode on 08.09.2021

Mrs.R.Kavitha, Assistant Professor (Sr.G), acted as Resource Person in Webinar on 'Innovation for optimisation in design and construction' at B.T.R Construction, Erode on 14.09.2021

Dr.S.Kanmani, Associate Professor, acted as Resource Person in National level Technical Webinar on 'Sustainable Approach for Waste Management' at St Joseph University on 14.09.2021

Dr.S.Kanmani, Associate Professor, acted as Resource Person in AICTE FDP on 'A Beeline for circular Economy through Sustainable waste Management(Phase II)' at K.S.R College of Engineering on 20.09.2021- 25.09.2021.

CSE

Dr.V.Vignesh. Associate Professor, Acted as Guest Speaker in Make in India: Possible with Innovative Mindsets on topic "Innovating Education and Educating for Innovation" organized by Yuva Incubated on 12/08/2021.

Dr.T.Sivakumar, Associate Professor, Acted as resource person in National webinar on topic "Securing the digital assets-The Future organized by Nehru Institute of Technology on 14/08/2021.

Dr.V.Vignesh, Associate Professor, Invited talk and Panel discussion on "Hindrances faced by entrepreneurs" organized by Kuriakose Elias College, Mannanam (IIC & IEDC) on 21/08/2021 to 24/08/2021.

Dr.V.Vignesh, Associate Professor, acted as guest speaker on topic "Entrepreneurs : Future of country" organized by K.I.T.E.S Education on 21/08/2021.

EEE

Dr. V. Kumar Chinnaiyan, Professor & Head/ EEE, was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Dr. J. Karpagam, Professor, was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Dr. R. Uthirasamy, Associate Professor, was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Dr. K. Mohana Sundaram, Professor, was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Mr. P. Ravikumar, Assistant Professor (Sr.G), was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Dr. R. Sampath Kumar, Assistant Professor (Sl.G), was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Dr. D. Sathishkumar, Assistant Professor (Sr.G), was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Ms. B. Lalitha, Assistant Professor (Sr.G), was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Dr. C. Palanimuthu, Assistant Professor (Sl.G), was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Dr. P. Pandiyan, Associate Professor, was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

Dr. A. Karthick, Associate Professor, was designated as the Resource Person for the STTP titled AICTE Sponsored STTP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System (Series-II)" at KPR Institute of Engineering and Technology, Coimbatore on 13/09/2021 to 25/09/2021.

ECE

Dr.R.Kirubhashankar, Professor, was designated as resource person for International Conference "5th International Conference on Advanced Research in Mechanical, Materials and Manufacturing Engineering" (ICAMME-2021)" conducted by Reva University, Bangalore on 09-07-2021 to 10-7-2021.

Dr.S.Kirubakaran, Assistant Professor (Sl.G) & Mr.G.K.Jakir Hussain Assistant Professor (Sl.G) were designated as resource persons for a FDP "Internet of Things and Lora" conducted by KPR Institute of Engineering and Technology, Coimbatore on 17.07.2021.

Dr.B.Jaishankar, Associate Professor, was designated as resource person for a online "Outcome based education & NBA Accreditation" conducted by Nehru Institute of Engineering & Technology, Chennai on 12.08.2021 & 13.08.2021.

Dr.M.Kalamani, Associate Professor, was designated as resource person for an online webinar "Fundamentals of Medical Image Processing" conducted by Hindusthan college of Engineering & Technology, Coimbatore on 28.08.2021.

Dr.S.Tamilselvan, Associate Professor, was designated as resource person for a Online workshop "International Workshop on "Real Time Biomedical Application Development Using System on Chip (SoC)" conducted by, Malaysia on 03-08-2021 To 11-08-2021.

Mr.K.Saravanan, Assistant Professor (Sr.G), Dr.S.Kirubakaran, Assistant Professor (Sl.G) & Mr.G.K.Jakir Hussain, Assistant Professor (Sl.G) were designated as resource person for a Hands on Training "Arduino Programming" conducted by KPR Institute of Engineering & Technology, Coimbatore on 16.08.2021 to 23.08.2021.

Dr.K.S.Tamilselvan, Professor, was designated as resource person for a conference chair person "International Conference" conducted by VCET, Erode on 15.09.2021 to 17.09.2021.

Mr.Avishek Kumar, Assistant Professor (Sr.G), was designated as resource person for Webinar "Dark and low contrast image enhancement using Matlab" conducted by KPR Institute of Engineering and Technology, Coimbatore on 26.09.2021

Dr.B.Jaishankar, Associate Professor, was designated as resource person for Webinar "Insights into signal processing " conducted by Chettinad College of Engineering and Technology, Chennai on 23.09.2021.

S&H

Dr.P.Geetha, Associate Professor and Head, Department of Mathematics, has delivered an invited talk on International Conference on "Recent Advances in Mathematical Science and its Applications" organized by Mother Teresa Women's University, Kodaikanal during 26 & 27 August 2021.

Dr.M. Hema, Associate Professor from the Department of English acted as a resource person for a Webinar Series titled "Literary Whits and Language Whimsicalities" on 06.09.2021 at RVS College of Arts and Science, Coimbatore

Dr.M.Hema, Associate Professor from the Department of English acted as a resource person for a Webinar entitled "Confidence Building - Is language a Barrier" on 15.09.2021 at Sri Saraswathi Thyagaraja College, Pollachi

Ms. Sharmila K, Assistant Professor from the Department of English acted as a resource person for a Webinar entitled " Career Guidance" on 23.09.2021 at Kalasalingam Academy of Research and Education, Krishnankovil, Virudunagar District

Dr.T.Jayasudha, Assistant Professor (Sl.G) from the Department of English acted as a Resource person for AICTE Value added Course-Design Thinking on 28.09.2021

Research Manoeuvre

AD

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M. Mathur, V. Jindal and G. Wadhwa, "Detection of The Multi-Scale Images Using SRP Network- A Review," 2021 Third International Conference on Inventive Research in Computing Applications (ICIRCA), 2021, pp. 1578-1583, doi: 10.1109/ICIRCA51532.2021.9544921.

Jenifa Gnanamanickam, Yuvaraj Natarajan and Sri Preethaa K. R., A Hybrid Speech Enhancement Algorithm for Voice Assistance Application, Sensors 21, 2021, 7025, DOI: 10.3390/s21217025

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BME

Dr.P.Manimegalai, Mr. John Amose, Ms. Narmatha C Mr. M. S. Pradeep raj, "Comparative performance analysis of kernel functions in SVM in the diagnosis of pneumonia using lung sounds", Conference (IEEE) Saudi Arabia section, August 2021.

Sreelatha. P, J. Faritha Banu, T. Ch. Anil Kumar, D. Sugumar, Shailendra Kumar Rawat, Ahmad Jawad Niazi, "Improved Clustering Using Deep Learning Model on Water Resource Engineering ", Bioscience Biotechnology Research Communication, Vol. 14, No. 07, (2021)

Sreelatha. P, Mudassir Khan, D. Sugumar, Paritala Jhansi Rani, Manikandan Ganesan, Prashant Kumar, "Smart And Effective Environment Monitoring Using Internet of Things", Bioscience Biotechnology Research Communication, Vol. 14, No. 07, (2021)

Saranya Devi Subramania and Brindha Dass, " An efficient convolutional neural network for acute pain recognition using HRV features", Proceedings of the International e-Conference on Intelligent Systems and Signal Processing, vol. 1370, pp. 119-132.

Saranya Devi Subramania and Brindha Dass, "Automatic Pain Severity Level Classification using the convolutional neural network", Annals of R.S.C.B., vol. 25, no. 4, pp. 20878-20885.

Jothin, R., Vasanthanayaki, C., Sreelatha, P. et al. Comparison and extension of high performance adders for hybrid and error tolerant applications. J Ambient Intell Human Comput (2021).

Chemical

Sri Sruthi P, Balasubramanian S, Senthil Kumar P, et al. Eco-friendly pH detecting paper-based analytical device: Towards process intensification. Anal. Chim. Acta. 2021; 1182:338953.

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Dr.A.K. Priya, V.Yogeshwaran, Saravanan Rajendran, ChinnaBathula, "Investigation of mechanism of heavy metals (Cr⁶⁺, Pb²⁺& Zn²⁺) adsorption from aqueous medium using rice husk ash: Kinetic and thermodynamic approach" chemosphere, Vol.284, December 2021, 131344.

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Lalitha Gnanasekaran, A.K. Priya, F Gracia "Orange peel extract influenced partial transformation of SnO₂ to SnO in green 3D-ZnO/SnO₂ system for chlorophenol degradation" Journal of Hazardous Materials, 127464, October(2021).

CSE

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J.Jeyabharathi, V.Sakthivel, R.Sivaramkrishnan, Aug 2021, Hamburger Stand Support System Using Supervised Machine Learning Algorithms, Journal of Physics: Conference series, Vol. 1979, Series. 012029

A. John Blesswin, G. Selva Mary, S. Manoj Kumar, 28 August 2021, Multiple Secret Image Communication Using Visual Cryptography, Wireless Personal Communications, SCI.

EEE

Dr. Chandrika V S, "Sustainable Energy Harvesting for Self-Powered Micro/Nanosystems Enabled by Nanotechnology", Journal of Nuclear Energy Science & Power Generation Technology, Vol.10, Issue 9, September 2021.

Dr. Karthick A, "Artificial Neural Network-Based Output Power Prediction of Grid-Connected Semitransparent Photovoltaic System", Environmental Science and Pollution Research, September 2021.

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ECE

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Intellectual Manifestation

S. No.	Name of the Applicant/Inventor	Title of the Project/Invention	Application No.	Date of Publication
1	Dr.K.Kamaraj	Design of Cloud-based Smart Health System for Clinical Image Analysis using R-CNN	2021101725	01.10.2021
2	Dr.Pokkunuri Pardha Saradhi Dr.Raghava Yathiraju Dr.S.Kirubakaran Mr. Sai Krishna Kodali Dr. Boorugu Chandrashekar Dr.K.R.Padma, G.Pavithra Anto Simon Joseph Dr.Sumanta Bhattacharya Dr AdarshMangal Mr.Swapnil Shukla, Dr.SR.Mary Fabiola	Artificial Intelligence & Machine Learning Based Early Detection of Cancerous Cells	202141033359 A	06.08.2021
3	Ingeniouz Dr Venkata Suryanarayana Tinnaluri, Dr I Sundara Siva Rao, S. Raviraja, Vivek B, Poorna Chandra Reddy Alla Bhavesh Bhatia, Chilukala Mahender Reddy, Dr.Rajkumar Banoth, Dr.Sivakumar Mucheti G. K. Jakir Hussain, M Sravanthi, Mohsin Salim Gangat	Machine Learning Based Wireless Network Modeling Based On Genetic Algorithm For Robotic Application	202141035211 A	13.08.2021
4	Dr.Swapnaja AmolUbale Mr.S.Prasanna Bharathi Dr.Abhisek Badholia Mr.Vishal Sharma Mr.Akshay S.Aspalli Mr.G.Saravanan Dr.Muralidharan J Dr.M.Dhipa Mr.Rahul Neware Mrs.Bharti Ayer Mr.V.Sridhar Dr.S.Jawahar	Resource Assistance for learning Allocation to multipurpose reinforcement for unnamed Aerial vehicles using IoT Networks	202141039099 A	10.09.2021
5	Dr.J.Muralidharan Mr.V.Chandran, Dr.Karthik Pai B H Dr.S.Durga Dr.S.Deepa Kanmani Mr.N.Balaji	A Deep Learning framework for Alzheimer Detection from MR Images	2021141039318 A	24.09.2021
6	Mr. Saravanan G	A Multi Objective Reinforcement Learning Based Dynamic Resource Allocation for Low Power IoT Networks	202141036924	August 2021

S. No.	Name of the Applicant/Inventor	Title of the Project/Invention	Application No.	Date of Publication
7	Mr. Saravanan G	Resource Assistance for Learning Allocation to Multi Purpose Reinforcement for Unmanned Aerial Vehicles Using IoT Networks	202141039099	September 2021
8	Mr. Ravikumar P	Robust Multi Authority Attributes Management System of Serverless Computing with Enhanced Reliability	202141039395	September 2021
9	Dr. S. Karunakaran A. Balamurugan N. Bhuvaneshwari Ravi Kumar Singh Pippal Puneet Dwivedi Abina Shiny R S Berlin Beno T L	Long Range Spy Robot with Night Vision	202141039102 A	24.09.2021
10	Dr.A.K.Priya	Conducive compartment for cordyceps production	202141038238	25.08.2021
11	Dr.Dharmaraj. R	Pyrolyser adapted anaerobic digester for agricultural biomass decomposition	202141038244	25.08.2021
12	Devarajan, Balaji M. Priyadharshini V., Bhuvaneshwari B., Arulmurugan L., Rajeshkumar Dr. A. K. Priya	Drones for lubrication	2021103473	28.08.2021
13	Dr. Balaji. D Dr. M. Priyadharshini V. Bhuvaneshwari Dr. L. Rajeshkumar Lt. Dr. A. K. Priya Dr. B. Arulmurugan	System For Converting Non-Segregated Waste Material Into Synthesized Dough for 3D Printing	377525	September 2021
14	R. Subramaniyan@Raja	Growth, Structural, Thermal, Optical and Electrical Properties of Potassium Succinate Succinic Acid Crystal		August 2021
15	E. Ranjith Kumar	Process for the Preparation of Cadmium Naphthoate Crystal and Uses there of for Second Order Non-Linear		September 2021

Department Enterprises

Civil - Interior Design Course using Mobile Phone – 02.08.2021

The Department of Civil Engineering organized a webinar titled "Interior Design Course using Mobile Phone". The resource person of the event was Prof. K.Rajkumar, Head/OoA, KPRIET. He deliberated on the usage of mobile phones for Home appliances. He also briefed on the various technologies that is used in mobile phones recently. Later, he insisted on learning the nuances of technological inventions and updating oneself on the same.



MECH- Orientation Program – 05.08.2021



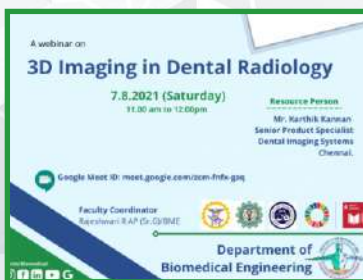
The Department of Mechanical Engineering organized an Orientation Program for III semester (2020- 2024) batch students through Zoom. The objective of the orientation is to demonstrate the nuances of approaching the analytical courses and also about the Centre of Excellence pertaining to Mechanical Department. The orientation also presented a bird eye view on the various value added courses offered by the department.

CSE- "Machine Learning Algorithms and Applications" – 06.08.2021

Ms. Madhuri Gopal, Product Specialist and Consultant for Start Ups, addressed students on the machine learning algorithms for the students and faculty members of CSE department. She discussed about the topics to be concentrated while implementing any projects. She also discussed about the various online resources available for implementing machine learning algorithms and showed live demo for solving some real time applications. She also informed the students about the importance of the opportunities available in this domain.



BME - 3D Imaging in Dental Radiology – 07.08.2021



The session aimed to strengthen the course outcome of the subject Radiological Equipment handled in VII semester. The session was also aimed to create the role of biomedical engineer in the field of dentistry. The speaker, Mr. Karthik Kannan, Senior Product Specialist, Dental Imaging Systems, Chennai, gave a detail picture of 3D imaging components in the field of dentistry. The speaker enlightened on the nuances and recent trends of 3D Imaging in health care and he correctly pointed out the area to be focused to get into the field of Dentistry.

CSE- MS Office and ERP Activities - 07.08.2021 & 09.08.2021

The main objective of this workshop is to create insight among participants about MS Office tricks and effective usage and smart calculations through excel sheets and ERP application.



S & H - Relevance of Mathematics in Control Systems – 07.08.2021



The webinar focused on "Relevance of Mathematics in Control Systems". The resource person for the webinar was Dr.V.Govindaraj, Assistant Professor, Department of Mathematics, National Institute of Technology, Pondicherry. He presented various types of control systems such as belief systems, boundary systems, diagnostic systems and interactive systems". He talked about Grammian Matrix systems and Kalman Rank condition. Also he explained one of the real time applications such as, how to calculate the water storage in tank using control systems. He gave the details about fractional controller and non-control systems.

Civil - Durability of concrete structures - 09.08.2021

The Department of Civil Engineering organized a webinar titled 'Durability of concrete structures' via google meet. The resource person of the event was Mr.P.Sudharsan, Technical Engineer, Dalmia Bharath Cement Ltd., South Zone. The webinar focused on concrete and its durability properties. He explained how durability of a product is maintained and enhanced.



ECE – An Engineer's life after Engineering – 09.08.2021



The resource person, Mr.Karthick Ramanujam, Technology consultant, Virtusa Consulting Services, Chennai, briefed about the best career options after engineering. He stressed that engineers are responsible professionals to produce instruments and designs. He also shared his past experience in IT industry.

Civil - Concrete - An overview of current and future trends – 11.08.2021

The Department of Civil Engineering organized a webinar titled 'Concrete - An overview of current and future trends' via google meet. The resource person of the event was Mr Dr. Abdul Rahman Mohd. Sam, Associate professor, Department of Structure and Materials, School of Civil Engineering, University Teknologi Malaysia, Malaysia. The webinar mainly focused on concrete and its future trends. He deliberated on the various aspects of concrete technology and highlighted the upcoming inventions in concrete.



Chem - Challenges Ahead of Chemical Engineers – 12.08.2021

The Resource person for the webinar is Dr. N. Anantharaman, Professor, Chemical Engineering Department, NIT Trichy. The speaker started his speech from the difference between Engineering and Technology and also highlighted all the important aspects related to job needs, challenges, design aspects, Chemical Engineering applications in various fields such as energy, medicine, health, communication, petroleum, leather, polymer, plastics etc.



S & H - Acquisition of Language Skills – 12 & 13.08.2021

The Department of English, KPRIET organized A Two Day Student Development program on "Acquisition of Language Skills". The Resource Person of the Day - 1 was Dr. Christine Ann Thomas, Assistant Professor, Christ – Deemed to be University, Bangalore. Different types of characters are explicated by the resource person to make the learners analyze and explore their personality. The Resource Person of the Day - 2 was Dr. T. Stephen Jayamani, Language Trainer, Formerly with TVTV, Saudi Arabia, Vellore. Many activities like tongue twisters, puzzles, new words of 2021 added in Oxford Dictionary, etc were discussed in the session. The learners understood the importance of communication through the videos & activities.



Civil - Preparation strategy for GATE 2022 – 13.08.2021

The Department of Civil Engineering organized a webinar titled 'Preparation strategy for GATE 2022' via google meet. The resource person of the event was Mr. MD Baseet Alam (PGDIE- NITIE Mumbai), GATE / ESE Faculty, ACE Engineering Academy. The webinar created an awareness about the benefits and preparation strategy for GATE Examination for their higher studies.



AD- Post Pandemic Opportunities in IT Industries – 14.08.2021



The Department of AD organized a webinar titled 'Post Pandemic Opportunities in IT Industries' via google meet. The resource person of the event was Mr. Yogesh Kannan S, Principal Architect, Microsoft, Hyderabad. The webinar focused on IT Industry opportunities. He also stressed on the various trends in IT and Artificial Intelligence.

AD - Process Synchronisation – 14.08.2021

The resource person of the event Mr. N. Thamocharan, Technical Lead – iOS, ACL Digital, Chennai, highlighted the nuances of Process Synchronisation. He briefed about the various aspects and methods of Process Synchronisation and illustrated its application and advantages.



CSE - Impact of Big Data and Data Science in Intelligent Computing – 14.08.2021



Mr. Aashish, Data Science Engineer and Consultant, Electrocloud labs, Hyderabad addressed students on the various applications of AI, ML, DL. He presented the realtime applications of AI, ML, DL and the role of big data in IoT based applications. He clearly stated the interconnections between these emerging areas and how they support to solve complex problems.

EEE – Quiz Series on Electric Vehicles – XX – 14.08.2021

The Department of Electrical and Electronics Engineering organized a "Quiz Series on Electric Vehicles – XX". The quiz was focused on the emerging technologies in E – Vehicles. Students were able to enhance their knowledge on E – vehicles through the quiz. It also kindled their inquisitiveness and eagerness to learn the novel technological updates. A total of 211 participated in the quiz and 176 were qualified.



ECE - Arduino Programming – 16.08.2021 to 18.08.2021



The Centre of Excellence for IoT, Department of Electronics and Communication Engineering organized a 5 day Hands-on Training on "Arduino Programming" The training started with the introduction to IoT and its applications, continued the training with Arduino kit operation, Node MCU operation, sensor operation and programming. The experts handled hands-on training with sensors like ultrasonic sensor, temperature and humidity sensors, Arduino programming-interfacing and configuration of sensors with Arduino software.

AD – Normalisation in DBMS – 17.08.2021

The Department of AD organized a Guest Lecture titled 'Normalization in DBMS' for II year AD. The speaker Mr. Hitesh Juneja, Professor & Head, Department of CSE, Govt. Polytechnic for Women, Haryana, gave an hands on training on how normalisation in databases with real time examples. About 70 students were benefited through the session.



Civil - Trends in Construction industry: Post COVID -19 -17.08.2021

The Department of Civil Engineering organized a webinar titled 'Trends in Construction industry: Post COVID -19' via google meet. The resource person of the event was Er.S.Selvaraj, Managing Director, Swamy Builders, Erode. The main aim of this webinar is to make the students learn about the trends and new technology in construction industry.



CSE- "Introduction to Immersive Technology: AR and VR" – 17.08.2021



The aim of the program to give a bird's eye view on the immersive technology: AR and VR. Dr. Issac Joel Raj, Program Chair, Computer Applications, School of CSE, Presidency University, Bangalore, addressed the students on the industry 4.0 and other emerging trust areas where the computer science and engineering students can work on.

EEE- Career and Opportunity Pathways for Electrical Engineers- 18.08.2021

The Department of Electrical and Electronics Engineering & Career Advancement Cell organized a webinar on "Career and Opportunity Pathways for Electrical Engineers". The resource person Er.M.Vaisali, Intern at BSH, Quality Management, Chennai, presented her views on What can Electrical Engineers do?, Basic Language for Coding and What is the need for Core and IT Industry? She also specified various Govt. Examinations in the field of Electrical Engineering and indicated the opportunities for Higher Studies in India and abroad.



Mech - BS 6 - Overview and Challenges - 18.08.2021



The Department of Mechanical Engineering and SAE India Collegiate Club of KPRIET jointly organized a Virtual Inauguration of the club for the year 2021-2022. The Inauguration was followed by a webinar on "BS 6 - Overview and Challenges" by Mr. V. Vikraman - Group CoE Head - Vehicle Mechanical Systems, Mahindra Research Valley, Chennai. He is the man behind the design of power train for the new XUV 700. He deliberated on the challenges of BS 6, in making and in its usage. He also highlighted the upgradation of BS 6 vehicles.

ECE - Reliability of Electronic Products – 19.08.2021

The Department of Electronics and Communication Engineering in association with IIPC organized webinar on “Reliability of Electronic Products”. The resource person, Mr. C.V.Renjith, Product Designer, Philips, Pune, enlightened the participants with his vast knowledge on reliability. The participants actively participated in the program through raising queries about failure analysis of electronic devices.



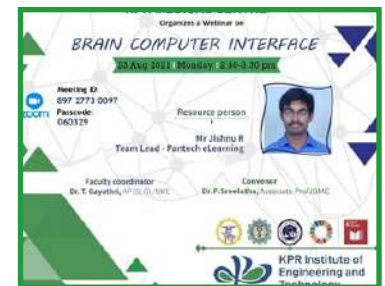
CSE - Database Normalization- 21.08.2021



The resource person, Mr S. Kharthikeyan, Junior Technical Coordinator, Expan Technologies, Bangalore, enlightened on the topic Database Normalization. The session was planned as a part of regular academic course subject Database Systems. The session focussed on structuring a database, objectives of normalisation, step by step normalisation and minimising redesign.

BME - Brain Computer Interface – 23.08.2021

The resource person Mr. R.Jishnu, Technical Lead, Pantech Elearning, highlighted the Brain Computer Interface. The session aimed at understanding the methods to interface the brain signal with the external device. The session started with the basics of EEG signals, placement of the electrodes and the different brain waves. The acquisition of the EEG signals using Brain Sense and the transmission of the signals were explained clearly with demonstration. Various software for interpretation of brain waves such as NeuroView, Neuro Experimenter and Brain Wave Visualizer were also clearly explained.



ECE - SPARTRANZ'21- 23.08.2021



The Electronics and Communication Engineering Department inaugurated the students association “SPARTRANZ'21”. Mr.Chakravarthy Ravichandran, Lead Software Engineer (Architect), Salesforce Inc, USA was the chief guest for the function. He delivered the special address highlighting the strength of students association and how it can be used for enhancing the technical knowledge of the students.

CSE- App Artist – 26.08.2021

The Objective of the Program is to make the students understand the importance of App Development. The Speaker, Ms.M.Salomi Samsudeen explained the importance of App Development and listed various tools used for developing apps both in Android and IOS. The Power of JAVA Programming was demonstrated using Amazon Web Page and Java Script. Small Demo was shown by using the apps which had already been created and launched. The Speaker made the participants visualize an Object Animation that will be helpful for game development.



CSE - "Cloud Computing: A Practical Approach for Learning and Implementation" – 27.08.2021

The Department of Computer Science and Engineering organised a webinar titled, "Cloud Computing: A Practical Approach for Learning and Implementation. During the session, the speaker, Prof. K. Vidhya discussed the basics of Cloud Computing concepts. The benefits, importance and the path for Learning Cloud Computing were deliberated. Various job opportunities in the domain of cloud computing was explained clearly. The session outlined the idea to choose right training platform to enrich the knowledge in cloud domain.



S & H – Graduate Admissions Tests at a Glance: GRE, TOEFL, IELTS & GMAT – 27.08.2021



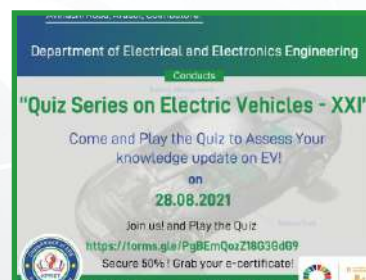
The Department of English and Career Advancement Cell organised an Interactive Session on "Graduate Admissions Tests at a Glance: GRE, TOEFL, IELTS & GMAT". The speaker of the session was Mr. Anand Sharma, Chief Mentor of IMS Coimbatore. The session highlighted the significant opportunities for the graduates with the score of Standardized tests. An awareness on standardized tests like GRE, IELTS, TOEFL and GMAT was given and the students were enlightened

CSE - "VMware and Virtualization" – 28.08.2021

The resource person Mr. Chudhan Kumar Ramasami, Performance Engineer-MTS3, VMware and Virtualization, Bangalore addressed the students and shared his industrial experience. He explained the VMware needs for IT industries and opportunities in virtualization and Hypervisor etc.



EEE – Quiz Series on Electric Vehicles – XXI – 28.08.2021



The Department of Electrical and Electronics Engineering organized a "Quiz Series on Electric Vehicles – XXI". The quiz was focused on the emerging technologies in E – Vehicles. Students were able to enhance their knowledge in E – vehicles through the quiz. It also kindled their inquisitiveness and eagerness to learn the novel technological updates. A total of 108 participated in the quiz and 77 were qualified.

ECE - Higher Studies in Foreign Countries – 28.08.2021

Career Advancement Cell in association with Department of Electronics and Communication Engineering conducted a webinar on "Higher studies in foreign countries". The main aim of this webinar is to make the students to be aware about opportunities for higher studies in abroad. Ms. Mahalakshmi Kanagaraj, Resident Network Engineer, Spirent Communications, California, United States enlightened the students on the opportunities available in foreign Universities and the process of applying for higher studies.



Mech - How should I Prepare for Siemens? - 28.08.2021

The Department of Mechanical Engineering in association with Office of Alumni Relations Organized "Meet the Master Experiences (MTMx Series)" on "How should I Prepare for Siemens?" through Google Meet by Mr. Deepak Alagappan, Project manager – SIEMENS, Chennai. He enlightened the audience on the preparatory processes of Siemens and also highlighted the possible questions in various sections. He also highlighted the technical topics that one must focus.



Mech - Igniting Young Engineers Mind - 28.08.2021



The Department of Mechanical Engineering organized a Virtual "Inauguration of Mechanical Engineering Association" followed by a webinar on "Igniting Young Engineers Mind". Mr. A Karthik, Scientist E, Research center Imarat – DRDO, Hyderabad was the guest speaker. He motivated the students on building their creative skills and also explored on the importance of problem solving skills.

S & H - Novel Diffusometric Sensors for Rapid Pathogen Detection- 28.08.2021

The Department of Chemistry organized an International webinar on "Novel Diffusometric Sensors for Rapid Pathogen Detection" through online platform. Dr. Dhrubajyothi Das, Post-Doctoral Scientist, Department of Biomedical Engineering, National Cheng Kung University, Tainan, Taiwan was the resource person. He presented loop mediated isothermal amplification, exponential nucleic acid amplification causing significant viscosity change, E-Coli detection MAP etc.



S & H - Nuances of Writing Funding Proposals – 3.09.2021



The Department of English organized a national level lecture on "Nuances of Writing Funding Proposals". The Speaker of the lecture was Dr. David Wilson D, Associate Professor, Department of English, Karunya Institute of Technology and Sciences, Coimbatore. He described about the benefits to writing grants for the department and our institution. He also deliberated that writing winning proposals can benefit us during the funded periods as well as years down the road.

Civil – Teacher's Day – 4.09.2021

The Department of Civil Engineering celebrated the Teacher's Day with the students and faculty members. Fun events were conducted for the faculty members by the students. The faculty members actively participated in the events and rejoiced the occasion. The students expressed their gratitude.



CSE- “Data Visualization and Storytelling”- 04.09.2021

The speaker Mr. Syed Abdul Khadar works as a senior data analyst, Hexaware technologies, US. He explained the importance of data visualization in data analytics and gave an industry specific insight. He explained the growing data analytics opportunities around the world and key roles for techiest. The Walmart use case was taken to elucidate the data visualization concepts. The guest lecture was beneficial to the students focussing on data analytics. Various online resources and tools were suggested to explore data analytics.



CSE- Thinking about your Career for the post pandemic world- 7.09.2021

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Moses Sam Paul J: https://www.menti.com/bup3preui9
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StrangerSapiens SkillsChain: Andrew Huberman - https://www.youtube.com/watch?v=...
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As part of the MoU with GoD, a workshop on “Thinking about your Career for the post pandemic world” was organized for the II year UG students. Further, Mr.Moses Sam Paul initiated the session with poll questions and few survey forms. He addressed the following as part of the career path selection: making appropriate long term plans, to condense all relevance research to empower with adequate resources. He also presented the significance of people's personal values and expressed the dos and don'ts of college study.

Civil - Overseas Opportunities for higher studies in European Countries – 08.09.2021

Department of Civil Engineering organized a webinar titled " Overseas Opportunities for higher studies in European Countries". The resource person of the event was Mr. Sayad Osama, Business Development Consultant, Staar United Inc. He highlighted the courses offered in the topnotch universities of European Countries and also specified the process of application in foreign countries.



Civil – Engineers Day Celebration – 18.09.2021



The Department of Civil Engineering celebrated the Engineers Day commemorating the birth anniversary of Shri. Mokshagundam Visvesvaraya. The students and faculty members conducted few technical events. The prize winners were also awarded during the event.

CSE- “Engineers Day Celebration” – 18.09.2021

India celebrates Engineer's Day to commemorate the birth anniversary of the greatest Indian Engineer, Mokshagundam Visvesvaraya. Engineer's Day is celebrated to pay rich tribute to Bharat Ratna Visvesvaraya who was regarded as the 'Father of Modern Mysore'. Two events were planned, like connections and Riddles. Totally 28 batches participated in the preliminary round from CSE department and each batch consists 4 members per team. 13 batches your short-listed for second round and for the final round totally 6 batches were qualified. Finally two batches won the first two places respectively.



EEE – Quiz Series on Electric Vehicles – XXII – 18.09.2021



The Department of Electrical and Electronics Engineering organized a “Quiz Series on Electric Vehicles – XXII”. The quiz was focused on the emerging technologies in E – Vehicles. Students were able to enhance their knowledge in E – vehicles though the quiz. It also kindled their inquisitiveness and eagerness to learn the novel technological updates. A total of 289 participated in the quiz and 219 were qualified.

ECE - Recent Advances in Virtual and Mobile Robotics – 18.09.2021

Mr.S.Satheesh Kumar, Assistant Professor (Sr.G), briefed about the key role of virtual robotics in the current scenario like how it makes people's work easier, how it makes us feel connected, Applications and Architecture of robotics, It's role in Industries and moreover about it's significance during this pandemic period. He explained about all the above mentioned topics with practical applications of the same. He also explained concepts like communication hub, communication protocol in a nutshell. He also gave a few project ideas that can be very productive.



ECE- Engineer's Day – 18.09.2021



The Students Association SPARTRANZ and IETE students' forum celebrated the Engineer's day by organising various events like Technical Quiz, Tech Talk, Tech Connect, Idea Presentation and Circuit Debugging. The objective of the events is to bring out the potential of the students and also to nurture the creative and problem solving skills. The events benefitted the students to a greater extent and kindled their inquisitiveness.

S & H - Development of device quality unidirectional NLO and Ferroelectric single crystals for SHG and IR detector applications – 18.09.2021

The Department of Physics organised a webinar in association with ISTE Faculty Chapter titled "Development of device quality unidirectional NLO and Ferroelectric single crystals for SHG and IR detector applications". Dr. Muthu Senthil Pandian, Research Scientist (Grade-II), Photovoltaic Devices laboratory, SSN College of Engineering, Chennai was the resource person. The webinar focused on SHG and IR detector applications.



Civil - Aviation and Robotics in Civil Engineering – 21.09.2021



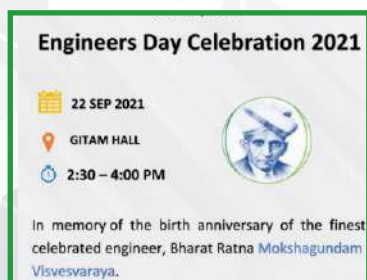
The Department of Civil Engineering organized a webinar titled 'Aviation and Robotics club'. The resource person of the event was Dr.S.Arivazhagan, Innovation officer, Aviation and Robotics club, KPRIET. The webinar focused on the Robotics Technology that are currently adopted in various field of Civil Engineering.

Mech - Digital Manufacturing using Fusion 360 – 21.09.2021 & 22.09.2021

The Department of Mechanical Engineering in association with Autodesk India Ltd organized a two day workshop on "Digital Manufacturing using Fusion 360" at HPC Lab. Mr. B.K.Saravanan, Assistant Professor, Department of Mechanical Engineering KPRIET was the guest speaker. The sessions were focused on Digital Manufacturing and it highlighted its latest trends. The speaker also insisted on the usage of Fusion 360 in Digital Manufacturing.



Chem – Engineers Day Celebration – 22.09.2021



Engineers Day is celebrated across the country to mark the birth anniversary of Sir Mokshagundam Visvesvaraya. His contributions to the field of engineering and education are significant. The budding Engineers were appreciated and honoured for their achievements in various aspects of curricular, co-curricular and extra-curricular activities. Faculty and staff members are also honoured for their achievements.

EEE- Opportunities after Engineering through GATE/ESE/PSU – 22.09.2021

Er.Pabba Ramesh, BE.,M.Tech(Ph.D) Motivational Speaker- Career Guidance, Sr.Faculty, ACE Engineering, Hyderabad, deliberated on What is GATE Exam?, Syllabus and Mark Split up for each section. He also mentioned the results and cutoff for each category and job opportunities available in India and abroad through GATE. 95 participants along with GATE 2022 registered students attended the webinar.



Civil - Python for Civil Engineers – 23.09.2021



The Department of Civil Engineering organized a webinar titled 'Python for Civil Engineers' via google meet. The resource person of the event was Mr. K. Vedanth Shenoy, Chief Technology Officer (AI-ML Trainer), Zephyr Technologies & Solution Pvt Limited, Mangalore, Karnataka. The webinar mainly focused on Artificial Intelligence and Machine Learning related to Civil Engineering Department.

Civil – Bridge Engineering – 23.09.2021

The Department of Civil Engineering organized a Faculty Development Programme on 'Bridge Engineering' via Microsoft teams. The resource person of the event was Dr. V. K. Raina, Ph.D.(London), DIC(London), MICE(London), C.Eng(London), P.Eng.(Ontario, Canada), AICTE Distinguished Professor, KPRIET



EEE- Aviation and Robotics in Electrical Engineering – 23.09.2021



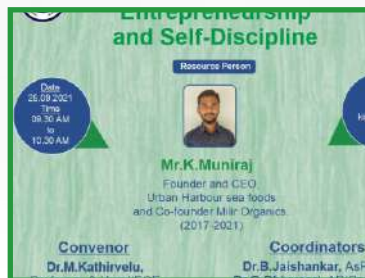
The resource person Dr.S.Arivazhagan, Innovation Officer, Aviation and Robotics Club, KPRIET, Coimbatore gave a glimpse of the functional aspects of various aircrafts, different kind of drones, and competition resources and opportunities. He elaborated the recent project work towards the drone for improving the performance of the drones and highlighted the importance and features of drones in real time applications. He shared his own experiences and ignited the students to do the project work in the area of aircrafts and drones. A total of 110 students attended the program.

Civil - Industrial Visit - 25.09.2021

The II year students from Department of Civil Engineering, along with 6 faculty members visited a sewage treatment plant construction site at Tirupur. This visit was mainly focussed to understand the sequences of construction activities involved in sewage treatment plant and the step-by-step process involved in treating water. The students were split into 5 Batches and Dr.Loganathan, Former AE of PWD, explained the process of treatment plant. The treatment plants were divided into 4 divisions. This visit helped the students to gather knowledge about treatment of water.



ECE - Entrepreneurship and Self-discipline – 25.09.2021



The resource person Muniraj K, Founder and CEO, Urban Harbour sea foods and Co-founder Milir Organics explained key role of entrepreneur economy. The resource person explained the struggles faced by him and in simple, stated that entrepreneurship is a willingness to start a new business. He also guided the students on how to become an entrepreneur and spelled out the qualities of an entrepreneur and how to start a company. He also explained that self-discipline is an invaluable skill to learn and develop over the course of one's life.

BME - "Opportunities for Biomedical Engineering in MNC's"- 25.09.2021

The Webinar was organized for the Department of Biomedical Engineering Students to elaborate on the opportunities available in MNC's. Er. Vincy Ravi, Lead Engineer, Regulatory Affairs, HCL Technologies, Chennai, briefed on the Government opportunities for Biomedical Engineers, certification needed for Medical Device Regulatory personal to get an opportunity in MNC, the need for extra certification for Biomedical Engineers, role of Biomedical Engineers as Design Engineer and Certification by TuV.



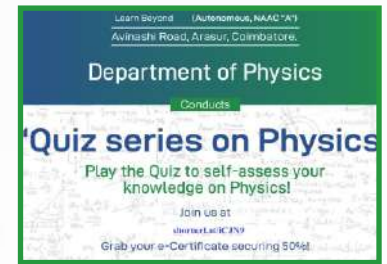
AD- Xethon-2021 48 hours Live Coding Hackathon – 27.09.2021 & 28.09.2021



The Department of Artificial Intelligence and Data Science in association with Xebia, Netherlands conducted 48 hours "Xethon - 2021" – Hackthon. About 90 teams all over India from different universities participated in live coding challenge. Five teams from AD, CSE and ECE departments of KPRIET participated. Mr. Senthilraj Director/Xebia, guided and mentored the students at KPRIET premises. Team "Rockers" - Mr. Jawakar, Gokul G, Arun Prasad and Mr. Dhivakar won the best project award among 90 teams . It was a great event and motivating event for the young coders.

S & H - Quiz series on Physics – 28.09.2021

The Department of Physics organised a quiz series for students to enhance their knowledge in physics. The questions kindled the analytical and logical reasoning on students in basic sciences and exposed them to various engineering concepts where physics is applied. A total of 501 students participated and got benefitted from the event.



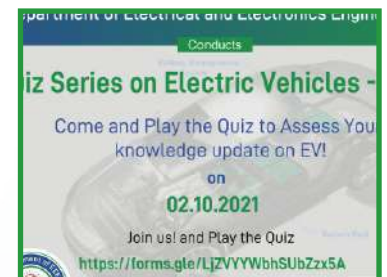
Chem - Roles of Chemical Engineers in Research and Industries in the Digital Age – 30.09.2021



The Resource person for the webinar was Dr. S. Prabhakar, Adjunct Professor, Chemical Engineering Department, SRMIST, Kattankulathur, Tamilnadu and Retired Scientist from BARC. The speaker started his speech with the definition of Chemical Engineering and highlighted all the important aspects related to the role of Chemical Engineers in Research and Industries. He also explained the role of Chemical Engineers in different Chemical Industries as a Researcher and as an Engineer.

EEE – Quiz Series on Electric Vehicles – XXIII – 02.10.2021

The Department of Electrical and Electronics Engineering organized a "Quiz Series on Electric Vehicles – XXIII". The quiz was focused on the emerging technologies in E – Vehicles. Students were able to enhance their knowledge in E – vehicles through the quiz series. It also kindled their inquisitiveness and eagerness to learn the novel technological updates. A total of 653 students participated and 609 were qualified for certification.



BME – Eye Camp in Collaboration with Aravind Eye Hospital – 06.10.2021



The Department of Biomedical Engineering organized a free eye camp in collaboration with Aravind Eye Hospital, Young Friends CC and Thulasi Pharmacy, Coimbatore for the residents, staff and house-keeping teams of Srivatsa Gardens. The camp was inaugurated by Dr. C.Subramaniam, President, Srivatsa gardens. All EC members of the community and YFCC were present and volunteered for the event. About 183 members participated in this eye camp. The general parameters height, weight, BMI Blood sugar was checked in the first phase. During the eye camp, screening was done for blood pressure, myopia, hyperopia, diabetics, retinal wellness, lens and all other eye related issues. Participants with Cataract were advised to visit hospital for further treatment.

BME – Design & Development of a cost-effective Gait Recognition System – 09.10.2021

Mr. Arumugaraja M., Researcher, PSG College of Technology, Coimbatore was the resource person of the program. The program aimed at introducing and enhancing the knowledge on designing and developing the cost-effective products that can be used by physicians. He also covered the basics of choosing materials, testing the materials, designing the products and finally concluded with developing the prototype.



CSE – Intra Tech Quiz Competition – 09.10.2021



An online quiz competition was organized by the Computer Science and Engineering Department in association with CSI Students' chapter, on various emerging technologies like Internet of things, Web development, Mobile application development, Artificial intelligence. Total of 33 students registered and 23 students were eligible for certification. The quiz helped in enriching the knowledge of the students.

EEE – Quiz Series on Electric Vehicles – XXIV – 16.10.2021

The Department of Electrical and Electronics Engineering organized a "Quiz Series on Electric Vehicles – XXIV". The quiz was focused on the emerging technologies in E – Vehicles. Students were able to enhance their knowledge in E – vehicles through the quiz series. It also kindled their inquisitiveness and eagerness to learn the novel technological updates. A total of 370 participated in the quiz and 310 were qualified.



Civil - Modular Building Construction – 22.10.2021



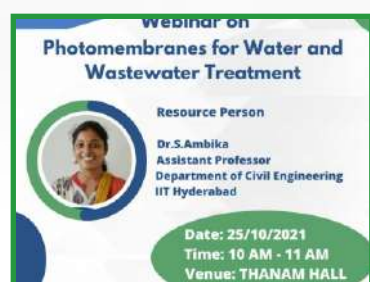
The Department of Civil Engineering conducted an interactive session on "Modular Building Construction". The main aim of this webinar was to make the students aware of the modular construction and advanced techniques in construction sectors. Mr. S. Dinesh Kumar, M. Tech, Founder of Shiva property developers, Coimbatore and Tiruppur, gave a brief presentation on Modular Building Construction, the benefits over conventional construction. He also highlighted on Construction delays, Factory conditions, Material supplies, Manufacture of the modules and so on.

Chem - Higher Study Opportunities in Foreign Universities – 24.10.2021

The Resource person for the webinar is Ms. Nasima, M.S. Scholar, Imperial College, London. She explained the students about the process of getting admissions at foreign universities and the importance of GRE, IELTS and TOEFL examinations. She also talked about the job opportunities after masters degree at abroad.



Civil - Photo membranes for water and wastewater treatment – 25.10.2021



The Department of Civil Engineering conducted an interactive session on Photo Membranes for water and wastewater treatment. The main aim of this webinar was to make the students aware of wastewater treatment. Dr.S. Ambika, Assistant professor, Department of Civil Engineering, IIT Hyderabad, gave a brief presentation on photo membranes and how wastewater could be treated using photo membranes.

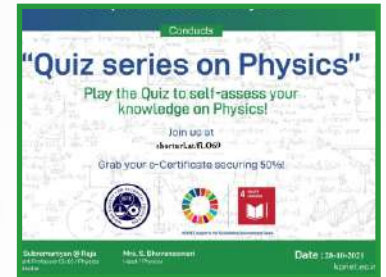
S & H – A six day FDP on Revisiting English Language and Life Skills – 25.10.2021 – 30.10.2021

The Department of English organised a "Six Day FDP on Revisiting English Language Teaching and Life Skills". The resource persons were Prof.A.Santha Devi, Assistant Professor, Department of Humanities, Coimbatore Institute of Engineering and Technology; Dr.Arun Behera, Assistant Professor, Department of English, Sri Sathya Sai Institute of Higher Learning, Bangalore; Dr.Sowmya Narayanan, Professor & Head, Centre for Life Skills and Lifelong Learning, New Horizon College, Bangalore; Dr.Vijayaletchumy Subramaniam, Lecturer, University Putra, Malaysia; Dr.B.Aravindan, Associate Professor, English Language Center, University of Technology and Applied Sciences, Nizwa, Sultanate of Oman; Dr.V.Sudhakar Rao, Associate Professor of English, Department of Humanities and Sciences, Balaji Institute of Technology & Science, Telangana. The FDP focused on various aspects like Digital Approaches in English Language Teaching; phonetics; Emotional Intelligence; critical thinking, language learning techniques, time management and common errors in pronunciation and grammar.



S & H - Quiz series on Physics – 28.10.2021

The Department of Physics organised a quiz series for students to enhance their knowledge in physics. The questions kindled the analytical and logical reasoning on students in basic sciences and exposed them to various engineering concepts where physics is applied. A total of 770 students participated and got benefitted from the event.



EEE - IoT for Electrical Engineers – 30.10.2021



Prof. G. Saravanan, Assistant Professor (SL.G.), Department of Electrical and Electronics Engineering, delivered a presentation on IoT. He provided his views on IoT Growth rate, Future of IoT, IoT Components and IoT Data Generation. The seminar provided some of the interesting facts in IoT and its applications to the students and faculty members. 110 participants attended the seminar.

S & H - Journey of Mathematics in Python – 30.10.2021

The resource person of the webinar was Mr. Satendra Kumar Jain, Research Scholar, Department of Computer Applications, Barkatullah University, Bhopal. He deliberated clearly the Python code for mathematics and the usage of it. The hands on training were given to the participants in an effective manner by the resource person. The active participation of the participants made the resource person extend the timing of the webinar.



AD - Data Science – An Industrial Perspective - 30.10.2021



Department of AD organized a webinar on "Data Science – An industrial Perspective". The webinar aimed at providing the industrial approach and tools used for Data science. Mr. M. Palanisamy, Data Scientist, Honeywell Technology Solutions, Bengaluru made the session interactive. It was a great learning for the students and the faculty members to know how industrial data analytics are progressing. About 75 students and faculty members benefitted from the event.

Communal Ministration





Impressions

KPRIET MATH CLUB
Proudly presents
LOGO DESIGN CONTEST
THEME: ENGINEERS DAY
Winners will be announced on 15.09.2021 & will be awarded with cash prize.
* DESIGN A LOGO WITH YOUR CREATIVITY
* WINNERS BASED ON 10% LIKES AND 90% CREATIVITY
Coordinators: **Praveen S** (Application ID) / **Praveen S** (For Query) / **Praveen S** (Kpriet,ham,clab,ignitron,kpriet)

Department of Computer Science and Engineering
Software Development Cell (SDC)
3' days National Level Workshop ON
Quantum Computing
Event Dates: 20-22/10/2021
Event Time: 9:30 AM - 12:30 PM
Event Location: KPRIET, Avaneash Road, Arasur, Coimbatore

KPRIET IGNITRON MATH CLUB
Proudly presents
FIND ME
Registration Link: <https://bit.ly/3XV1L8K>
Event Dates: 09-10/2021
Event Time: 10:00 AM - 11:00 AM
Event Location: KPRIET, Avaneash Road, Arasur, Coimbatore

KPRIET IGNITRON MATH CLUB
ORGANIZES
A FREE WEBINAR ON
"TRICKS ON APPTITUDE FOR COMPETITIVE EXAMS
A HANDS-ON SESSION"
Resource Person: **Mr. M. GUNASEKARAN** (M.Sc., B.Ed., M.Phil) / **Mr. S. S. S. S. S.** (For Query)
Event Dates: 04-05/2021
Event Time: 10:00 AM - 11:00 AM
Event Location: KPRIET, Avaneash Road, Arasur, Coimbatore

ELECTRONICS CLUB
Webinar on
DARK AND LOW CONTRAST IMAGE ENHANCEMENT USING MATLAB
Resource person: **Mr. Arishank Kumar AC** (Associate Professor (Dr.C) Department of ECE, KPRIET)
For registration: <https://bit.ly/3Z1565d>
Event Dates: 26/09/2021
Event Time: 04:00 PM
Event Location: KPRIET, Avaneash Road, Arasur, Coimbatore

KPRIET SPACE CLUB
Space QUIZ
Platform: Google form
Date: 16/09/2021 - 21/09/2021
Event Coordinators: **Mr. Deepak J.** (956423465) / **Mr. Vidhushan. P**
Registration Link: <https://bit.ly/3Z1565d>

KPRIET BUSINESS CLUB
Proudly organizes a webinar on
OPPORTUNITIES AND CHALLENGES FOR ENTREPRENEURS IN INDIA
SPEAKER: **Dr. N. Rajesh Kumar** (Motivational Speaker)
DATE: 31/10/2021
TIME: 10 AM - 11 AM
E-Certificates will be provided
For Queries contact: **Mr. Santhosh S - 8012135632**
Register @ <https://bit.ly/3A7Bfoc>

CELEBRITY CLUBZ
HOSTS: **Mr. R. Bhanu SRI** / **Mr. G. Mahesh Babu**
CELEBRITY: **Mrs. Dhiveya Shreekan**
ANCHOR: **VT CREATIVE LEAD** / **ARTIST COORDINATOR**
DATE: 09/10/2021
TIMING: 6PM-7PM
PLATFORM: @filmclubkpriet
ignitron_kpriet / filmclubkpriet

KPRIET INSTITUTE OF ENGINEERING AND TECHNOLOGY
ELECTRONICS CLUB
proudly organizes
TECHNOODX
Thrust Area: Recent Technologies in various Engineering Stream
31/10/2021
11:00 AM
AKT-YX00-GJZ
REGISTRATION FEES: RS. 200
OPAY ACCOUNT NUMBER: 7630992012
REGISTRATION LINK: <https://forms.gle/S7axGta5iUBK9KS>
WINNERS WILL BE AWARDED
All presenters will be provided with participation certificate
STUDENT COORDINATORS: **Mr. Babu S.** (8447784) / **Mr. Manojkumar S.** (8447784) / **Mr. Nishanth S.** (8447784)
SUSTAINABLE DEVELOPMENT GOALS

KPRIET SCIENCE CLUB
proudly presents
Finding Authors..?
Platform: Gmeet
Date: 31/10/2021
Time: 6:00pm
Event coordinators: **Mr. Arishank Kumar AC** / **Mr. Praveen S**
Registration Link: <https://bit.ly/3Z1565d>

KPRIET INSTITUTE OF ENGINEERING AND TECHNOLOGY
Bio Freaks
E-Certificates will be provided for all participants
Open to all students
Event coordinators: **Priya dharshini** / **Igriva**
To participate: bit.ly/BioFreaks
Date: 07/10/2021
To: 09/10/2021
For Queries: 978110222

Department of Computer Science and Engineering
Software Development Cell (SDC)
organize
3' days National Level Workshop ON
Quantum Computing
Mr. Jeevan Rex (EDA Engineer, Qualcomm, Bangalore) / Dr. K. Sivakumaran (Professor, Dept of Physics, PSG College of Technology) / Mr. Karthiganesh Durai (Co-Founder, Quantum Computing India)
Oct 22 (3PM-4.30 PM) / Oct 23 (3PM-4.30 PM) / Oct 24 (9.30AM-12.30 PM)
Student Convener: **Vijaysri G** (7598292036) / **Saminathan A** (9597953771) / **Rajeshkumar**
Organizers: **Jayavel S** / **Pooja Shree B** / **Nithin**
For Registration: <https://bit.ly/3Z1565d>
Event Dates: 20-22/10/2021
Event Time: 9:30 AM - 12:30 PM
Event Location: KPRIET, Avaneash Road, Arasur, Coimbatore

KPRIET MATH CLUB
Quizzer Tormenter
A quiz related to Amateur Radio
Participants will be awarded with E-certificate
EVENT COORDINATORS: **MS SURESH** (8610810387) / **MS SINDHUJA** (9429452914)
DATE: 28/10/2021 - 03/11/2021
EVENT LINK: bit.ly/3A7Bfoc

KPRIET SPACE CLUB
Proudly presents
Elucidation of Sci-Fic Movie
Write your opinion about the interstellar movie in 200 words
Date: 27.11.2021 - 29.11.2021
Event coordinator: **Praveen S** (838334708)
Registration Link: <https://bit.ly/3Z1565d>

FILM CLUB
Proudly Presents
CUT COPY PASTE
Win exciting Prizes
E CERTIFICATES WILL BE PROVIDED TO ALL THE PARTICIPANTS.
DATE: 11/11/2021
LAST DATE: 17/11/2021
REGISTER HERE: <https://bit.ly/3Z1565d>
EVENT COORDINATORS: **Ms. NEMMA M.M 2ND YR AD** / **Ms. PRATHIKSHA P.N 2ND YR AD**
ENQUIRIES: **Mr. SAIRAM V** (8894628153)
SUBMIT ALL YOUR EDITING & ANIMATION SKILLS IN GOOGLE FORM
ignitron_kpriet / filmclubkpriet

AWARENESS ON MILLETS
Benefits of Millets-Celebrating International year of Millets
"When diet is wrong, medicine is of no use. When diet is correct, medicine is of no need"
Date: 04/12/2021
Venue: KPRIET
ignitron_kpriet / kpriet_quizclub

Shades of SANGAMAM

ROLL CAMERA
HOST: Mr. S. Srinivasan
GUEST: Mr. S. Srinivasan
Date: 07.08.2021 to 08.08.2021
Registration link: <http://kpiet.org.in>

ROTARACT CLUB OF KPIET
Sponsored by Rotary Club of Tirupur (Thiruvananthapuram) District 3080
Date: 07.08.2021

THE PULSE
A Musical Event
Date: 07.08.2021

ROTARACT CLUB OF KPIET
Sponsored by Rotary Club of Tirupur (Thiruvananthapuram) District 3080
Date: 07.08.2021

Story Island
Story Writing / Story Telling Contest
Date: 07.08.2021 to 08.08.2021
Registration link: <http://kpiet.org.in>

PRO CONNECTORS
PICTORIAL PROVERB CONNECTION
Date: 08.08.2021 to 12.08.2021

SANGAMAM
Date: 08.08.2021

BEHIND THE DOORS
Date: 08.08.2021

Live and let live
Date: 08.08.2021

இமிழ்
INSTALLATION CEREMONY
Date: 25/08/2021
Time: 10.00 AM
Venue: VEERA HALL

Independent Game Show
Date: 29-30-08-2021

MUN SELLADA
Guest Speaker: Mr. R. NANTHA KUMAR
Date: 08.08.2021

YOGA CLUB OF KPIET
Date: 10.08.2021 - 20.08.2021

Force
Date: 10.08.2021

PHOTOGRAPHY CAPTIONS
Date: 10.08.2021

FALOODA
Date: 20.08.2021

Art Premier League
Date: 20.08.2021

CELEBRATION OF THE DAY
Date: 20.08.2021

KPIET
Date: 20.08.2021

VARAN PAARU PURATAASI
Date: 29.08.2021 - 02.09.2021

KALAKALAPPU
Date: 08.09.2021 - 10.09.2021

உரிமையை தேடு
Date: 08.09.2021 - 10.09.2021

Yogi puzzle
Date: 08.09.2021 - 10.09.2021

Rescue mission
Date: 08.09.2021 - 10.09.2021

FOOD FEST '21
Date: 05.10.2021

VARAD DA INDIA
Date: 07.10.2021

ELIMINATOR
Date: 16.10.2021 - 19.10.2021

SPEAK TO SERVE
Date: 16.10.2021 - 19.10.2021

YOUTH PARLIAMENT KPIET
Date: 16.10.2021 - 19.10.2021

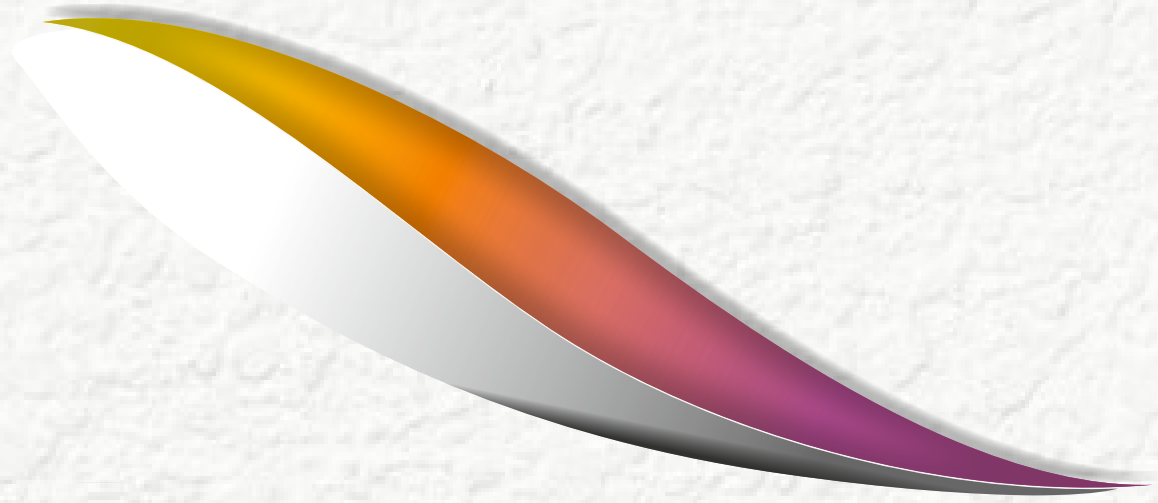
FOOD FEST '21
Date: 05.10.2021

VARAD DA INDIA
Date: 07.10.2021

ELIMINATOR
Date: 16.10.2021 - 19.10.2021

SPEAK TO SERVE
Date: 16.10.2021 - 19.10.2021

FAMILY COLLECT PHOTOGRAPHY EVENT
Date: 16.10.2021 - 19.10.2021



Learn Beyond

KPRIET