



Learn Beyond

**KPR Institute of
Engineering and
Technology**

(Autonomous NAAC "A")



NEWSLETTER

VOLUME 16



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Editor in Chief
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Compiled by
MNC



NASCOM Success Meet - Jan 24



Republic Day – Jan 26



Women's Day - March 8



Scholarship Day - March 13

Department Enterprise

Volume 16

EE - Expert Visit for Effective Collaboration and Development

The Department of EEE organized an expert visit for effective collaboration and development on 02.01.2023 & 03.01.2023. The resource person was Prof. Ramesh C.Bansal, Professor, Department of Electrical Engineering, University of Sharjah, UAE. During the interaction, he deliberated on the art of writing research article and shared about the recent technologies on which research has been carried out. The relevance of green energy and the potential growth of renewable energy was discussed in depth by him.



S & H - Science Academies' Lecture Workshop on Engineering Mathematics

The Department of Mathematics organized a two-day Science Academies' Lecture Workshop on Engineering Mathematics on 05.01.2023. Prof. P. Kandaswamy, FNASC., Bharathiar University, Prof. G. D. Veerappa Gowda, FNASC., FASc., FNA, Centre for Applicable Mathematics, TIFR, Prof. M. Laxmanan of Bharathidasan University, Prof. S. Saravanan of Bharathiar University were the resource persons. Prof. G. D. Veerappa Gowda spoke on "Numerical Methods for hyperbolic conservation laws. Prof. P. Kandaswamy gave an insight into the 'Mathematical Model for Human Immune System'. Prof. M. Laxmanan gave a clear introduction to nonlinear dynamics and elaborated on the bifurcation and chaotic behavior of solutions of nonlinear ODE with examples. Prof. S. Saravanan focused on Numerics for Navier-Stokes Equations: Finite Volume Method.



EE - Electrification for the Automotive Sector towards Sustainable Future

The Department of EEE organized a IEl sponsored one day seminar on Electrification for the Automotive Sector towards Sustainable Future on 06.01.2023. Er.V.Angappa, Managing partner, Megatech Scientific Instruments, Coimbatore delivered the chief guest address elaborating the importance of Electric Vehicles. The first Technical session was on "Overview of Powertrain and Drivetrain" by Er.V.Angappa. The speaker shared his experiences in developing a new start-up company and challenges faced in developing electric vehicle and retrofit vehicles. The innovation in hybrid electric vehicle and the start-up ideas about electric vehicles were discussed. The key points discussed in the session were based on basics of drivetrain, types of powertrain transmission, and the difference between powertrain and drivetrain. Dr.K.Mohana Sundaram shared his expertise on 'Battery Management System'.



EE - Career Awareness Program in Core Sectors

The Department of Electrical and Electronics Engineering organized a webinar on "Career Awareness Program in Core Sectors" on 06.01.2023. Mr. Shiva Prasad K, Mr. Jeevan Gowda D S, Mr. Sudeep G, Mr. Srivatsan S, Ms. Khushi S N, and Mr. Jeevan Sagar U from The National Institute of Engineering, Mysuru deliberated on how to prepare for the core placement and Internship offers in core sectors. Around 130 participants were benefitted out of the session.



CE – CAD Riddle 2.0

The Department of Civil Engineering conducted a contest "CAD RIDDLE 2.0" on 08.01.2023. The main aim of this Contest is to make the students to design and draw the Building Plan as per the given requirement and also to test their creativity level of brief basic and advanced amenities in construction sectors. Totally 36 student participants and 2 faculty members from various colleges in India, like NIT-Calicut, NIT Rourkela, IEST-Shibpur, and Lovely Provisional University-Punjab, have participated in the contest through online.



BM – Siddha Diet and Nutrition for Healthy Life

The Department of Biomedical Engineering in association with OCEAN Kurinji celebrated 6th Siddha Day on 09.01.2023 to commemorate the birth star of Siddhar Agathiar with the special lecture on "Siddha Diet and Nutrition for Healthy Life". Sri Easan Guruji, Founder, Ruthambara Yoga trust, Coimbatore delivered special address as the Chief guest on 09.01.2023, Monday from 2pm to 4pm in Thanam Hall in the function. Dr. P. Thangaraj, Director/CFRD presided over the function. He described the significance of Siddha medicine in the Indian subcontinent with reference to the Sangam literature. Sri Easan Guruji, Founder, Ruthambara Yoga trust, Coimbatore enlightened on more than 20 herbs, their breed, places of growth, medicinal use etc. The herbal juice and salad prepared by the team was distributed to the audience. They explained more than 20 herbals by showing them to the students and explained their medicinal uses.



EE - Hands on Session on Predictive Modeling

The Department of EEE organized a hands-on session on predictive modeling on 10.01.2023. Dr. M. S. Durairajan, Senior Analytics Consultant, Chainsys India Pvt. Ltd. Chennai was the chief guest. The resource person gave a glimpse of the ERP model, BI and BA model, Machine learning model and R Programming. He explained about the job opportunities in information technology and the skills to emerge as entrepreneurs.



Chem – Hidden Health Profile of Millets

The Department of Chemical Engineering organized a guest lecture on "Hidden Health Profile of Millets" by eminent speaker, Dr. Saraswathy Eswaran, Secretary, Ramasamy Chinnammal Trust, Vadavalli, Coimbatore on 11.01.2023. During her guest lecture, she educated and enlightened the audience on nutritional and health benefits of consuming millets. She provided information on the hidden health benefits of millets and discussed how they can help in preventing lifestyle diseases such as cardiovascular diseases, diabetes and some types of cancers.



Chem – Exploring International Opportunities for Chemical Engineering Undergraduate Students

The Department of Chemical Engineering organized a webinar on "Exploring International Opportunities for Chemical Engineering Undergraduate Students" on 12.01.2023. Ms. S. R. Madhumithaa, Managing Director of Sharjah Research, Technology & Innovation Park (SRTIP) University, Sharjah, UAE was the guest. This webinar gave valuable insights on how to utilize international opportunities, internships and research placements. Ms. S. R. Madhumithaa shared her extensive experience on the latest market trends in her field, as well as on how to maximize job opportunities and take advantage of resources available to chemical engineering students worldwide.



S & H – Essential Computing on Matlab

The Department of Mathematics organized a one-day workshop on "Essential Computing on MATLAB" on 18.01.2023. Dr. Paramanathan P, Assistant Professor, Department of Mathematics, Amirta Vishwa Vidyapeetham, Coimbatore campus was the key-note speaker. He highlighted the benefits of learning the basics of MATLAB. The session familiarized the gathering about the basics of MATLAB.



EE - Power Quality Monitoring Using Fluke 434 - Series II

The Department of EEE organized the hands-on training on Power Quality Monitoring using FLUKE 434 – Series II on 20.01.2023. Dr. V. Parimala, Assistant Professor (Sl. G), Department of EEE, was the chief guest. The resource person gave a glimpse on the FLUKE 434 II series Power Quality, Power Quality Analyzer, FLUKE 434 II Series Specification, Screen types and navigation and selection key, Setup, various configurations Monitoring of Various Electrical Parameters such as RMS voltage and current, THD, Real Power and reactive power and total energy consumed.



BM - Cyber Security in Healthcare

The Department of Biomedical Engineering in association with IEEE – Engineering in Medicine and Biology Society (EMBS) organized a webinar on 23.01.2023. The Resource Person, Mr. Ashok kumar Mohan, Assistant professor, TIFAC – Core in Cyber security, Coimbatore, gave a brief introduction on Cyber Security and its importance in detail. The speaker presented the tools used in Cyber security. The session was about cyber vulnerabilities, the means to protect medical connected devices and clinical data and the methods to maintain Anti-Virus Software and hardcoded passwords. 100+ participants were benefitted out of the event.



CSE – How to become a Full Stack Web Developer

The Department of Computer Science and Engineering organized an Alumni Lecture Series on "How to become a Full Stack Web Developer" on 28.01.23. Ms. Ragavi R, Software Developer, Halleyx, Coimbatore was the guest of the day. She started her session with an introduction on full stack and continued to explain the sub topics like Web development phases, tools for UI/UX designs, etc... She explained the web designing framework and backend tools with hands-on. She explained how web development is a platform independent of various databases like NOSQL Database, MongoDB, and others. A total of 39 participants were benefitted from the event.



S & H – Industrial Mathematics

The Department of Mathematics organized a seminar on Industrial Mathematics on 28.01.2023. The first session was handled by Prof. Hiroshi Yamaguchi, Energy conversion research centre, Department of Mechanical Engineering, Dhoshisha University, Kyoto, Japan. He explained the convection of magnetic fluids and the solution methods for associated partial differential equations. Prof. Ardak Kashkynbayev, Department of Mathematics, Nazarbayev University, Nur Sultan city, Kazakhstan was the speaker of the second session. He gave a talk on mathematical biology and elaborated upon the spreading mechanism of virus through mathematical modelling.



EE - Renewable Energy Integration

The Department of Electrical and Electronics Engineering organized a Guest Lecture on "Renewable Energy Intergration" on 31.01.2023. Professor Ramesh C Bansal, Department of Electrical and Electronics Engineering, University of Sharjah, UAE, presented his views on how to prepare for the core placement and core companies related to renewable sector. 112 Participants of our students attended the Guest Lecture.



Chem – Visit of Prof. Uemura Yoshimitsu

The Department of Chemical Engineering was delighted to welcome Prof. Uemura Yoshimitsu from Japan. During his visit, he shared valuable information and experiences on various topics such as teaching-learning, infrastructure development, patents, grants, and consultancy with the faculty members. He also gave invaluable guidance and information to our students on higher education and foreign internships. His visit was certainly an inspiring one, and we are proud to have welcomed him in our campus.



CS - How to become a Full Stack Web Developer

The Department of CSE organized a guest lecture on How to become a Full Stack Web Developer on 03.02.2023. The Resource person was Ms. Heena Firdaus A S, Data Analyst, Accenture Solutions Pvt Ltd. She started her session with an introduction on data cleaning and continued explaining the sub topics like data cleaning phases, tools for data cleaning, etc... She explained data science and various datasets and its possible text data pre-processing tools with hands-on training.



CSE - Real time Applications of Computational theory

The Department of CSE organized a guest lecture on Real time Applications of Computational theory on 13.02.2023. The formality of automata theory to analyze and manipulate actual human language and to develop human-computer interaction (HCI) and artificial intelligence (AI) were deliberated. It is a computer science branch that deals with how a problem can be solved efficiently by using an algorithm on a model of computation.



CE – Industry Connect

The Department of Civil Engineering organized an event "Industry Connect" an interaction between experienced civil engineers and budding civil engineers in association with CNI on 14.02.2023. The event chief guest Er. R. Ramakrishnan, B.E, President, Coimbatore Civil Engineers Association discussed on the entrepreneurial opportunities for Civil Engineers and the ways to secure placement in core companies. Er. G. Ganesh, Ex- President, COCENA, briefed about structural engineering and its aspects in real time. Er. M. K. Anand, Student Chapter & Technical Committee Chairman, COCENA, elaborated on how a student should train themselves for employment. The session was highly interactive and interesting.



BM – FIESTA

The Department of Biomedical Engineering, on account of FIESTA, organized paper presentation, poster presentation, project presentation, Mr. & Mrs. Medo Sapiens, Pro- the Medico Data, Circuifix and 2 workshops on Electronic system design for Biomedical Engineers and Graphical System Design using LabView respectively, on 16.02.23 and 17.02.2023. A total of 250 participated in the events and the best teams were awarded with cash prize.



Chem

The Department of Chemical Engineering, on account of FIESTA, organized paper presentation, Chem Connect, Technical Quiz, DWSIM Workshop etc on 16.02.23 and 17.02.2023. A total of 210 participated in the events and the best teams were awarded with cash prize. The aim of the events was to promote the sciences and research in the field of chemical engineering. The students had the opportunity to have lectures from distinguished experts and fun activities with fellow students.



CE – FIESTA

The Department of Civil Engineering, on account of FIESTA, organized paper presentation, poster presentation, project presentation, CADD Contest, Survey Hunt, and 2 workshops on BIM and Bridge Building respectively, on 16.02.23 and 17.02.2023. A total of 250 participated in the events and the best teams were awarded with cash prize. The events enhanced the technical skills of the participants and enriched their knowledge on recent technological advancements.



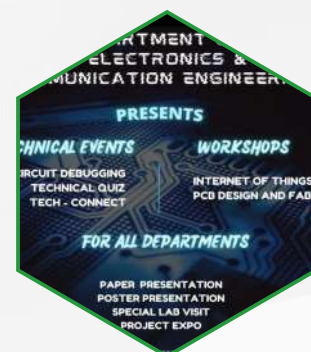
EE – FIESTA

The Department of Civil Engineering, on account of FIESTA, organized paper presentation, poster presentation, project presentation, Line Follower Robot, Circuit Building, and 2 workshops on Product Development using Arduino and Grid tied Solar Power Design and Installation, Quiz on Technology on 16.02.23 and 17.02.2023. A total of 250 participated in the events and the best teams were awarded with cash prize. A total of 318 participants were part of these event.



EC – FIESTA' 23

The Department of ECE, on account of FIESTA, organized paper presentation, poster presentation, project expo, Circuit Debugging, Technical Quiz, Tech-Connect and 2 workshops on Internet of Things and PCB Design and Fabrication on 16.02.23 and 17.02.2023. A total of 220 participants attended the events and were benefitted out of the same. The winners were awarded with memento and cash prize.



Chem – Data Science in ChemE

The Department of Chemical Engineering conducted a Distinguished Lecture Series on the topic "Data Science in ChemE", on 21.02.2023. The guest lecturer was Dr. M. Ramasamy, Professor, Department of Chemical Engineering. The session focused on using data science in Chemical Engineering and was oriented towards the properties of chemical components. Students and Faculty members gained valuable insight on the usefulness of data science in the field of chemical engineering and how it can be applied to increase efficiency and improve safety. The session was highly interactive and engaging.



CE – Ideation to IPR

The Department of Civil Engineering conducted an expert talk on "Ideation to IPR" on 22.02.2023. The main aim of this expert talk is to make the students be aware of the IPR and innovations. Dr.D.Balaji, Assistant professor (Sl.Gr.), Mechanical Engineering gave a brief presentation on Innovation and IPR to M.E.Structural Engineering Students. He also discussed on the Patents, trademarks, copyrights, and uses of trade secrets and its advantages in various fields. The session was highly interactive and fruitful.



EE – Innovate 2023

The Department of Electrical and Electronics Engineering organized an expo for Polytechnic Students, "Innovate 2023 – Expo for Polytechnic Students" on 24.02.2023. The resource person was Er. S. Jeevananthan, Lead Engineer, FIS Global, Chennai. Various events such as Project Presentation, Talent Hunt, Short Film and Photography, Paper Presentation were conducted. A total of 57 students were benefitted out of the event.



EE – Energy Literacy Training

The Department of Electrical and Electronics Engineering along with Centre for Energy Sciences and Engineering (CYNERGY) in collaboration with Energy Swaraj Foundation organized a "Energy Literacy Training" program as a part of "WORLD RECORD" event from 24.02.2023 to 28.02.2023, for all the third-year students of EEE, ECE, CIVIL, MECH and Chemical. In this regard, students and faculty members have completed the 3 hours training course on ENERGY LITERATE.



EC – Career options after Undergraduation

The Department of ECE organized a Guest lecture on Career options after Undergraduation on 24.02.23. Mr. G. Babu Vikekanandan, Academic Head, TIME Coimbatore branch was the resource person. He explained about the job opportunities in both core and IT and threw light upon the various higher education programs. He informed about the various opportunities in government, public and private sector. He exposed the students to various government exams like banking, insurance, UPSC, State PSC, SSC etc.,



BM – Synergy Guest Lecture

The Department of Biomedical Engineering in association with IIPC have conducted Guest lecture on Recent advancements in Medical Instrumentation and its Applications on 25.02.2023 on the occasion of Synergy' 23. The Resource Person is Dr. N. Nandakumar, Founder & CEO, Prime Biomed Technologies, Tiruppur. The Guest has given a brief note on the evolution of Hospital and Medical Instrumentation. Dr. N. Nandakumar categorized various Biomedical equipment's into three types, Diagnostic, Therapeutic and Monitoring devices. The Guest had encouraged the students to develop their entrepreneur skills and explained the procedure to enhance their Biomedical engineering career as entrepreneur.



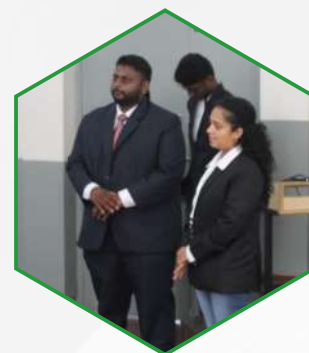
BM – Synergy Interactive Session

The Department of Biomedical Engineering organized an interactive session on 25.02.2023, on account of SYNERGY '23. This session focused on Corporate life in Biomedical Engineering. During the session, the moderator Ms. Joselyne Sneha asked various questions to Mr. Rajesh Dhamodharasamy which were thought provoking. He shared about the business culture in the US as well as in India. His answers enlightened our mind to be focused on what we study and do in our future. He gave an idea about Startups which are necessary in the field of Biomedical Engineering to bring in fresh ideas. He shared about the products in which Philips was working like X-ray machines, Ultrasound devices, etc. He encouraged students to explore with new technologies every day which would help them to be creative and sustain in professional life.



CE – Vernacular Architecture

The Department of Civil Engineering in association with the Career Development Cell and Industry Institute Partnership Cell organized a Guest Lecture on 25.02.23. Er. S. Keerthana, Proprietor Dhiran and Associates, Coimbatore was the guest of the day. She explained clearly about the trends and importance of Vernacular Architecture with suitable case studies. Vernacular architecture is building done outside any academic tradition, and without professional guidance. This category encompasses a wide range and variety of building types, with differing methods of construction, from around the world, both historical and extant, representing most buildings and settlements created in pre-industrial societies. A total of 126 students attended the event and were benefitted.



CE - Seismic Analysis and Design of Structures

The Department of Chemical Engineering organized a lecture on Seismic Analysis and Design of Structures on 27.02.23. Ms. Kavitha, Assistant Professor, deliberated the basics of Seismic Analysis and Design of Structures. She explained the importance of designing structures to withstand the effects of earthquakes and the various factors that affect the seismic performance of structures. Then she discussed the various seismic design codes and standards used in India, including the Indian Standards (IS) and the Bureau of Indian Standards (BIS). She explained the importance of understanding these codes and standards to ensure that the structures are designed to meet the safety requirements.



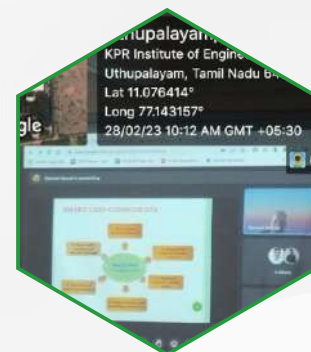
CE – Expert Talk

The Department of Civil Engineering & KPR International Center organized an expert talk on 28.02.2023 with Professor U, Johnson Alengaram, Department of Civil Engineering, University of Malaya, Malaysia. The keynote points were about the faculty exchange program, students exchange program, and all other possibilities of research and collaborative work with the University of Malaya, Malaysia. Third-year students from the Department of Civil Engineering and the Department of Chemical Engineering interacted with resource person about the various exchange programs and higher studies opportunities at the University of Malaya, Malaysia.



EE – Over view of Smart Grid Systems

The Department of Electrical and Electronics Engineering organized an expert talk on overview of Smart Grid Systems on 28.02.2023. The resource person, Prof. Ramesh C Bansal, Senior manager, IEEE and Professor of University of Sharjah. The resource person discussed about the smart grid and its concepts such as add monitoring, analysis, control, and communication capabilities to the national electrical delivery. The Smart Grid helps reduce greenhouse gas emissions and other pollutants by facilitating the connection of large amounts of renewable energy.



S & H – National Science Day

The Department of Science and Humanities organized a seminar on the topic "Next Generation Wearable Devices" to commemorate National Science Day on 28.2.2023. Dr. R.T.Rajendra Kumar, Professor, Department of Nanoscience and Technology, Bharathiar University was the resource person. Competitions were organized as part of the National Science Day Celebrations and the first- year students participated in large numbers and proffered their valuable insights on the advancements of science and technology.



Chem – Successful Tips to secure Core Placement

The Department of Chemical Engineering organized an Alumni talk by Mr. K. Sivabalasudhan, Graduate Process Engineer Trainee, Kavin Engineering Services Private Limited, Coimbatore on 02.03.2023. His words of wisdom regarding successful tips to secure core placements offered valuable guidance to current engineering graduates. From steps to build a noteworthy resume to best practices for acing interviews, Mr. Sivabalasudhan made sure to provide the budding engineers with key insights on the job hunt that would increase their chances of success. It was a truly inspiring talk and a must-attend for all aspiring engineer.



CE – Civistra 2023

The Department of Civil Engineering in association with Maya Academy of Advanced Cinematics and Department of Physical Education organized a symposium for Polytechnic students titled, Civistra 2023, on 03.03.2023. The aim of the symposium was to provide a platform for learning and networking in the field of Civil Engineering. Er. S. Nithyanandam, Managing Partner of Om Muruga RMC plant, was the guest speaker of the symposium. He shared his valuable insights on the latest trends and practices in the field of concrete production, and the importance of quality control in the RMC plant industry. 122 students attended the symposium and got benefitted out of it.



EC – Clinical Training / Translational Research on Integrated Care Model for Mental and Neurological Disorders

The Department of Electronics and Communication Engineering organized a two- day National level workshop on “Clinical Training / Translational Research on Integrated Care Model for Mental and Neurological Disorders” on 10.03.2023 & 11.03.2023. The workshop threw light on recent advances in diagnosing neurological disorders and identify further research areas in this existing field of Artificial Intelligence. The workshop also highlighted the current and new approaches, systems and technologies to the treatment of brain diseases, including diagnosis, rehabilitation, theoretical and practical elements.



BM – Alumni Interaction on Scope of Biomedical Engineers

The Department of Biomedical Engineering organized an Alumni interactive session on Scope of Biomedical Engineers on 11.03.2023. The guests were Ms.Akshaya P , Biomedical Engineer, Victoria Hospital, Bengaluru and Ms.Fathima Safa, Biomedical Engineer, Pneumcare health, Kerala. Ms.Akshaya.P started by sharing her experience on how she got into the field of Biomedical Engineering. She insisted on skill training which helped her in getting placed as a biomedical engineer in hospital. Ms.Fathima Safa then took over the session and she explained how she approached various industries in and around Tamil Nadu, exclusively for internships and how those internships helped her in landing in a good industry. She emphasized the students to be passionate about the subject that they are learning. She motivated the students to concentrate on the skill development to earn a job in the core biomedical engineering field.



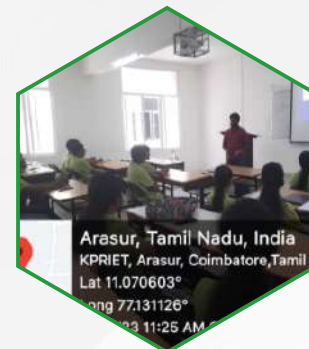
CE – Expert Talk

The Department of Civil Engineering organized an expert talk with the ASCE IS SR President Narsimha Chary Polaju on 11.03.2023. He interacted with with the ASCE student chapter members and encouraged them to become active members of the ASCE community. The President discussed the importance of networking, staying up to date on industry trends, and getting involved in ASCE activities. They shared their experiences of organizing events and participating in ASCE competitions and discussed their plans for the upcoming academic year. They discussed the importance of ASCE in promoting the Civil Engineering profession and the role of ASCE in supporting the development of the civil engineering community.



CS - Impact of Google Analytics and Google Tag Manager in Digital Marketing

The Department of Computer Science and Engineering organized a guest lecture on "Impact of Google Analytics and Google Tag Manager in Digital Marketing" on 11.03.2023. The resource person, Mr. Viknesh B S highlighted the marketing of Products and Services through the use of digital technologies. He elaborated on Google Analytics, its marketing platform, the latest Google Analytics version – GA3 and Google Tag Manager. 41 students and 38 faculty members attended the lecture and were benefitted.



CE – Career opportunities in IT & Marketing Sector

The Department of Civil Engineering organized an expert talk on "Career opportunities in IT & Marketing Sector" on 13.03.2023. The session focused on career growth of Civil Engineers and dealt with various skills the students need to develop to meet the demands of industries. Ms. S. Yuvaraj gave an insight on placement opportunities in IT and marketing sector. The session also brought to light the vitality of field expertise to secure prominent positions in core companies.



EE - Grid Connected and Standalone PV Solar Plant Design using PVSYST

The Department of Electrical and Electronics Engineering organized a workshop on "Grid Connected and Standalone PV Solar Plant Design using PVSYST" on 14.03.2023. Mr. Izzath Hussain MI and Mr. Madhan Raj V, Senior Power System Engineers from Power Products were the guests. Mr. Madhan Raj spoke about the importance of transmission and distribution, its benefits in our day-to-day life and how important it is to know about T&D. He then proceeded to show a simulation in PV System software and explained the procedures involved in constructing or making a solar plant.



EC – Layout and Analysis of CMOS circuits using Symica Tools

The Department of Electronics and Communication Engineering organized a guest lecture on "Layout and Analysis of CMOS circuits using Symica Tools" on 14.03.2023. Mr. Amit Saini, Director and Tech Head, Cadre Design Systems, UP was the chief guest. He listed a comprehensive set of EDA tools that enable companies around the world to design analog and mixed-signal integrated circuits with full flow. Further, he explained the major capabilities of modern IC development suites. Then he illustrated about Accurate circuit simulation, Analog, behavioral and digital mixed-mode simulation. The session was highly interactive and informative.



CE – BIM Conclave

The Department of Civil Engineering organized a two- day Building Information Modelling (BIM) conclave on 16.03.2023 & 17.03.2023 at Thanam hall, KPR Institute of Engineering and Technology, Coimbatore. This conclave is aimed at bringing together the leading experts and professionals from leading industry to discuss the latest trends and advancements in BIM. The conclave featured keynote speakers Dr. V. Senthilkumar, Expert in World Skills Competition for Digital Construction and Associate Professor, IIT Palakkad and Er. B. S. Mukund, Head - Building Information Modelling, L&T Construction, Chennai. The Resource persons provided hands on training to all the participants which included BIM implementation, Project Management, and the role of technology in construction.



CE – Expert Talk on “Higher Studies Opportunities in India”

The Department of Civil Engineering organized an expert talk on “Higher Studies Opportunities in India” on 17.03.2023. Mr. Sankar, Senior faculty, ACE Engineering Academy was the resource person of the day. Mr. Shankar emphasized the importance of higher education and how it can benefit students in their careers. He highlighted the various career opportunities available in India for engineering graduates, including jobs in Public Sector Undertakings (PSUs), the Indian Engineering Services (IES), and higher studies in prestigious institutes like the Indian Institutes of Technology (IITs). He then focused on the Graduate Aptitude Test in Engineering (GATE) and hinted a few methods to crack the exam.



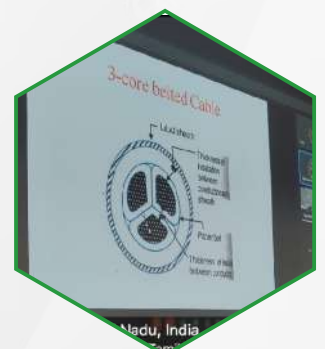
EE - Application of Electrical Machines in Modern Industries

The Department of Electrical and Electronics Engineering organized a guest lecture on “Application of Electrical Machines in Modern Industries” on 17.03.2023. Mr. M. Sundaram, Associate Professor, Department of EEE, PSG College of Technology was the expert. Mr. M. Sundaram gave a detailed view of the recent developments in the electrical machines and their various applications in the industries. He explained the various industrial applications like drone, elevators, escalators, and home appliances where we use the electric motors. He also elucidated the applications of electric motors in the field of medicines and how recent technologies like Artificial Intelligence, Internet of Things, and Machine Learning are used to operate and control the motors effectively.



EE - Design and Protection of Overhead Transmission Lines

The Department of Electrical and Electronics Engineering organized a guest lecture on “Design and Protection of Overhead Transmission Lines” on 20.03.2023. The Chief Guest, Dr. T. Hariharan, Assistant Engineer, Operation and Efficiency Division, Mettur Thermal Power Station / TANGEDCO illustrated on design of transmission lines and protocols for the development of protection circuits for the same. He also briefed about Design of overhead transmission lines and Design of electric protection system to detect and discriminate all faults on the protected line.



Chem – Exploring Dynamics of Fluids: Computational Tools and Techniques for Chemical Engineers

The Department of Chemical Engineering organized a distinguished lecture series on "Exploring Dynamics of Fluids: Computational Tools and Techniques for Chemical Engineers" on 21.03.2023. The Chief Guest was Dr. S. Balasubramanian, Professor and Head, Department of Chemical Engineering. Dr. S. Balasubramanian spoke about applying computational tools and techniques in exploring dynamics of fluids that are used in various chemical engineering applications. This was a great opportunity for interested students to learn more about the application of computational tools and techniques in fluid dynamics.



Chem – World Water Day

The Department of Chemical Engineering and Department of Civil Engineering jointly celebrated the World Water Day on 23.03.2023. The Chief Guest of the day was Mr. R. S. Krishnaswamy, Convenor of Water Watch, Siruthuli. Through his impressive presentation, he elaborated on how community efforts can make a positive impact on our environment. His insights created an awareness on saving water. He also enumerated on the ways and methods to save and conserve water. The session was fruitful and brought home the efforts to be taken to preserve the limited water resources.



CSE - STEPNB00M'23

The Department of Computer Science and Engineering organized an Inter College Technical Symposium "STEPNB00M'23" for Diploma Students on 24.03.2023. Dr. N. Yuvaraj, Professor and Head, Department of Computer Science and Engineering, KPRIET delivered the special address. He gave a brief introduction about the department and the faculty expertise and the student's professional elective tracks. He also interacted with the students about the department verticals and their group mapping with various technologies.



EC – Design Simulation and Analysis of Antenna using CST Microwave Studio Suite

The Department of ECE organized a Value Added Course on Design Simulation and Analysis of Antenna using CST Microwave Studio Suite from 24.03.2023 to 27.03.2023. Dr.V.Seethalakshmi, Dr.S.Nithya, Mr.M.Singaram and R.Sathish Kumar were the experts. The course gave a platform for students to develop various antenna designs under different frequency range, applications and simulation of antennas using CST. A hands-on training was provided to students and they were able to understand the salient features of different antennas.



EC – Software defined Radio

The Department of ECE conducted a one credit course on Software Defined Radio from 24.03.2023 to 25.03.2023. Mr. R. Balamuruges, CEO, Silicon Systems and Mr S Raja, Product Development Manager, Silicon Systems, Coimbatore, handled the sessions. The students were enlightened on Software- defined radio and its components. The experts also deliberated about the functions of the SDR and its transmission process. The session was highly interactive and fruitful.



EC – Analog IC Design using Cadence

The Department of Electronics and Communication Engineering organized a Value-Added Course on "Analog IC Design using Cadence" from 23.03.2023 to 25.03.2023. Dr. J. Muralidharan, Mr. Abhishek Sahu, Dr. J. Prasad, Ms. M. D. Saranya and Mr. D. Ram Nivas were the resource persons. The students were introduced to analog circuits, its operations and characteristics. The CADENCE EDA tool demonstration was carried out for basic circuits to make the students understand the usage of the tool. Further, the students were instructed to design fundamental circuits using CADENCE EDA tools.



EC - Embedded System Design for IoT Applications

The Department of Electronics and Communication Engineering organized a One Credit Course on "Embedded System Design for IoT Applications" to nurture the skills related to Embedded Systems for IoT applications on 24.03.2023 to 25.03.2023. Mr. Mathiyazhgan R, Managing Director and Vasantha Kumar M, Technical Lead, Rightway Technology, Coimbatore, were the Industry trainers. A hands- on session on Embedded System Design was explained through CC3200 Ti LaunchPad and NodeMCU Microcontrollers. The session was very fruitful and interactive.



EE – Pump Manufacturing and Testing

The EKKI KPRIET International Water Technology Centre (EIWTC) organized a one credit course on 25.03.2023 for third year students. The resource person Dr. Sunil S.R. Gangoli, Head R&D, EKKI Pumps focused on the Standards and Certifications of Pump Industry, Materials Used In Pump Industry, Production Planning and Tools and Product Management and Testing.



Chem – Basics of Aspen Plus

The Department of Chemical Engineering successfully held a one-day workshop on "Basics of Aspen Plus" for polytechnic students on 25.03.2023. Dr. R. Bharathi Ganesan, Assistant Professor (Sl.Gr) was the chief guest of the day. During this workshop, students had the opportunity to learn more about chemical engineering and gain insight into ASPEN PLUS software. Attendees also received valuable tips and advice to assist them in future studies and applications. The event was highly beneficial for students.



EC – Insights on Higher Education in Overseas

The Department of Electronics and Communication Engineering organized an Alumni Lecture Series -4 on "Insights on Higher Education in Overseas" on 25.03.2023. Mr. M. Vaishnav, Pursuing MSc (CNSS), University of Hertfordshire, UK was the resource person. The guest highlighted the various higher education opportunities in overseas. He deliberated on the process of seeking admissions in foreign universities. He also insisted on clearing IELTS and TOEFL exams. The session was highly productive.



BM – Seminar on Mechanism of Joints

The Department of Biomedical Engineering organized a Seminar on Mechanism of Joints on 27.03.2023. The Resource person was Mr. B. B. Mohanty, Senior Manager, Ottobock Healthcare Pvt., Ltd., Coimbatore. Mr. B. B. Mohanty had explained the knee joint anatomy. He also pointed out the difference between prosthesis and Orthesis. He then briefed the concepts of Bogling and hamstraining. The seminar further clarified the doubts about Joints in the human body and also provided a detailed explanation about knee joints. The seminar was highly beneficial for the students as they learnt about GAIT cycle, concept of ligaments and cartilages, mechanism of articulation of knee joints etc.



EC – IoT with Raspberry Pi

The Department of ECE conducted a value-added course titled "IoT with Raspberry Pi" from 27.03.2023 & 30.03.2023. Dr. M. Kalamani, Dr. R. Jaikumar and Mrs. S. Priyadharshini, Dr. R. Arun Sekar and Mr. K. Saravanan were the experts. The trainers gave an overview on Raspberry Pi 3 B model and offered a hands-on session in all basic sensor module interfacing with Pi and Cloud.



CE – ASCE Student Symposium 2023

The Department of Civil Engineering along with ASCE student chapter jointly organized ASCE student symposium 2023 on 28.03.2023 & 29.03.2023. KPRIET hosted the symposium, where various competitions such as sustainable solution, innovation contest and paper presentation were conducted. The symposium witnessed both internal and external participants.



EC – Signal and Image Analysis using MATLAB tools

The Department of Electronics and Communication Engineering organized a Value Added Course on "Signal and Image Analysis using MATLAB tools" on 28.03.2023 to 31.03.2023. Dr. K. Kalirajan, Mr. G. Pradeep Kumar, Dr. K. Murugan, Mr. S. Satheesh Kumar, Dr. S. Finney Daniel and Mr. D. Ram Nivas were the trainers. Sample MATLAB codes were explained and students were instructed to practice more. The concepts were explained using real time examples and students were encouraged to use real time applications of MATLAB and work on it.



Chem – LATEX: Demystifying Project Report and Presentation for Undergraduate Students

The Department of Chemical Engineering organized an orientation program on "LATEX: Demystifying Project Report and Presentation for Undergraduate Students" on 29.03.2023. Dr. M. Laxmi Deepak Bhatlu, Assistant Professor (Sl.Gr) was the chief guest. The program was designed to help undergraduate students to enhance their project reports and presentations in a more efficient manner. Through this program, participants were able to gain a better understanding of how to utilize LATEX software to fine-tune their presentations and reports.



EE – PID Controller – An Industry Perspective

The Department of Electrical and Electronics Engineering organized a guest lecture on "PID Controller – An Industry Perspective" on 29.03.2023. The resource person Er.K.Sivakumar, Executive R&D Engineer, Cotton Spintronic Texservices, Coimbatore deliberated on Role of controller in closed loop system, types of Controllers, Importance of PID controller and Industry Perspective of PID Controller.



EC – PCB Design using Altium

The Department of ECE conducted a one credit course on PCB Design using Altium from 29.03.2023 to 31.03.2023. Mr. Chandru T, Managing Director, Powerline Circuits, and Dr. Finney Daniel Shadrach, AP (SL.G) / ECE handled the sessions. The session was divided into two parts, namely design and reverse engineering. PCB design helps in bringing electronic circuits to life in their physical form. Further, students were exposed to various open-source PCB software available in the market such as Kicad, Eagle, Allegro etc.,. Around 29 students attended the program.



CE – EDCR preparation work for Tirupur Corporation

The Department of Civil Engineering presented the EDCR preparation work for Tirupur Corporation in the form of a report on 30.03.2023. The report encompassed the preparation of DPR – Detailed Project Report for proposed new Bus stand to be located at Kovilvazhi, Tirupur. This proposed Bus stand comes under class B and consists of 42 bus bays and multiple facilities with 4 primary blocks which provides revenue to the corporation. The final technical scrutiny on design, Estimates and Bill of Quantities has been carried out by DMA (Director of Municipal Administration), Chennai.



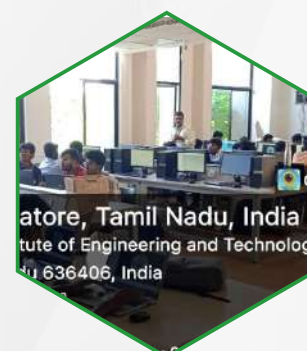
CS - The Institution of Engineers - Students Chapter Inauguration

The Department of Computer Science and Engineering inaugurated the IEI Students Chapter at KPRIET on 31.03.2023. The Chairman, Dr S Shanmugam inaugurated the Chapter and the office bearers were introduced. The objective of the State / Local Centre of IEI is to organize technical activities and provide a platform for stakeholders, technocrats, policymakers and others to share their expertise to benefit the engineering fraternity. Besides conducting research, it provides Grant-in-Aid to Engineering Institutes & Universities students. IEI issues membership certification to eligible engineers, technologists and scientists. This Institution also issues Professional Engineer certifications in various engineering disciplines.



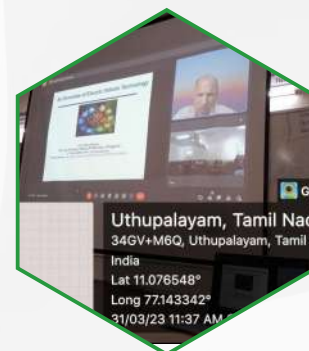
EE - Simcenter Magnet Software

The EKKI KPRIET International Water Technology Centre (EIWTC) organized a hands-on workshop on "Simcenter Magnet Software" on 31.03.2023. The resource person Mr.C.J.Vignesh, AP(Sr.G) / EEE highlighted the Basics of MagNet Software, Model building in MagNet software, Statics 2D modelling of electromagnet, Brushless motor – 2D transient with motion, Import and export design model into solid work, Statics BLDC motor and induction motor design and Flux analysis and field study on motor model. 31 students actively participated in the programme and were highly benefited.



EE – An Overview of Electric Vehicle Technology

The Department of Electrical and Electronics Engineering organized a technical seminar on "An Overview of Electric Vehicle Technology" on 31.03.2023. The resource person, Prof. Ramesh C.Bansal, Professor, Department of Electrical Engineering, University of Sharjah, UAE, pointed out the fundamentals and advancements related to the emerging technology of the electric vehicle. He addressed the importance of batteries and their maintenance for electric vehicles. He also discussed on Battery Electric Vehicle, Hybrid Electric Vehicle, Plug- in Hybrid Electric Vehicle and Fuel Cell Electric vehicle.



Student Achievements

- Mr.K.Lalith, III EC and team won First place with the cash prize of 50,000 in ROBO OCEANA EVENT IIT Madras
- Mr. S.Madhavan, III EC and team won Second place with the cash prize of 30,000 in ROBO OCEANA EVENT IIT Madras
- Mr.S.Dhanush Kumar, I ME and team won Third place with the cash prize of 20,000 in ROBO OCEANA EVENT IIT Madras
- Mr.R.K.Sri Shyamnath, II EC secured 23rd Rank in Campus ambassador program at IIT Delhi
- Mr.P.Hemanth Kumar, III CE and Mr.M.K.Jeyasakthivel Mani, III CE 2TN Air Squadron represented Tamil Nadu, Pondicherry and Andaman Nicobar Republic Day Parade, Government of India
- Mr.M.J.Ranil Mukesh, and Mr.G.Prabhu, I AIML got Abroad Internship in "AI and Imaging Technologies" from Denmark Co. Ltd, Japan
- Mr.G.Satish, Mr.Parthiv Akhilesh, and Mr.S.K.Sunil, III AD secured Second place with cash prize of 30,000 in Hackathon on "CCTV footage analytics" conducted by Greater Chennai Police's Cyber Hackathon
- Mr.S.A.Jetheash, III EE won Gold Medal in Chess game at YSPA Youth National Championship 2023
- KPRIET Men Cricket Team secured 2nd Runner Up in Anna University Zone - IX Cricket Tournament, Anna University
- Mr.G.Bharath, II CS Represented at National Level Inter University Karate Championship for Men – 2023 at Atal Bihari Vajpayee University, Bilaspur
- Mr. S. Saketh, II CS cleared JLPT N4 which is a Japanese Language Proficiency Certification
- Mr. K. Siddharthan, II CS, from 6TN Med COY NCC, participated in Army Attachment Camp - Artillery Unit representing KPRIET
- Mr. S.Sukant, II EE, Mr. Koushiram, Mr. Akhshaikumar, Mr. Lekshmana kumar of II EC won First place with the cash prize of 10,000 in the Drone Racing at National level technical event GMR institute of Engineering and Technology.
- Mr. S.Sukant, II EE and Mr. Koushiram, II EC secured First place with the cash prize of 8,000 in Hovercraft Racing at National level technical event at GMR institute of Engineering and Technology
- Mr. Akhshaikumar, Mr. Lekshmana kumar, II EC secured Second place with the cash prize of 4,000 Hovercraft Racing at National level technical event GMR institute of Engineering and Technology
- Mr. V. Sai Karthik, BME and Mr. M. Mark Richard, ME won Third Prize in the Music Competition conducted by Coimbatore District Election Commissioner.

- Mr. Madhavan, III EC won First Prize in the National Technical Event ROBOVANZA 23' Drone Racing at Chaitanya Bharathi Institute of Technology.
- Mr. Lalith, and Mr. Varun, III EC won Second Prize at National Technical Event ROBOVANZA 23' Drone Racing at Chaitanya Bharathi Institute of Technology.
- Mr. Lalith, III EC secured First Prize in Hovercraft Racing at Chaitanya Bharathi Institute of technology
- Mr. Madhavan, III EC secured Second Prize in Hovercraft Racing at Chaitanya Bharathi Institute of technology
- Mr. Vishva, I EE secured Third Prize in Hovercraft Racing at Chaitanya Bharathi Institute of technology.
- Mr. S. Vivek, III ME Mr. J. S. Ajesh Bose, III CS secured First Place with Gold Medal in Dead Lift conducted by All India Sports Association
- Mr. S. Akilan, III EE, Mr. S. Thrivesh, I EE secured Third Place with Bronze Medal in Dead Lift conducted by All India Sports Association.
- Mr. S. Vivek, III ME secured First Place with Gold Medal in Bench Press conducted by All India Sports Association
- KPRIET Basketball Team was the Runners in the 12th Centies Basketball Tournament conducted by Sengunthar College of Engineering.
- Mr. J. Karthick, Mr. M. Mohamed Shathir, II ECE got Best Paper Award BIT V - PRATUKTI' 23 from Bannari Amman Institute of Technology, Sathyamangalam
- Ms. T.V. Vibesha, and Mr. K. Yuvasree, II ECE secured Second Prize in the SPECTRAFEST'23 conducted by St. Joseph's College of Engineering, Chennai
- Mr. R. K. Sri Shyamnath, ECE secured Third Prize in the SPECTRAFEST'23
- Ms. B. Umamaheswari, II CH won II Prize in Paper presentation in Prayukti'23 on 10 & 11.02.23 at Bannari Amman Institute of Technology, Sathyamangalam
- Mr. S.A. Jethesh, III EEE won II Prize in the Fourth Covai Ties - Chess Competition conducted by Coimbatore Institute of Technology, Coimbatore
- Mr. Sivaprasath M S, Mr. Samvel V, Mr. Sampath M, Mr. Vibin R A and Mr. Yashwanth V, of III MECH participated in the Project Expo, IIT Pals
- Ms. S. Priyanka, II AD secured first runner up in Throw ball event conducted by CIT COVAITIESC I T , Coimbatore and in Throw ball CENTIES Championship SNSCT, Coimbatore
- Mr. Balamurugan. N, II AD won Second prize in Paper presentation at SRIT, Coimbatore
- Mr. Jowin Alfred. C, III AD was the Runner in basketball Centies Championship 2023 conducted by Sengunthar Engineering College, Erode.
- Ms. K. Priyadharshini, Ms. K.C. Arthi, of II BM secured Third position in Throwball Sports conducted by SNS Institution
- Ms. K. Priyadharshini and Ms. K.C. Arthi, II BM secured Second place in Throwball Sports Covai Ties Tournament
- Ms. V. Lithyashree, II BM and Team were the Winners in Volleyball Sports Covai Ties Tournament
- Mr. K. Gowtham, II BM secured Sixth place in Open State competition in Dead lifting.
- Ms. K. S. Gayathri, Ms. Ridhana Sri and Ms. Bharathi Prabha, III BM secured Third place and Won Cash award Rs.1000/- Project Expo at Karpagam Institution
- Mr. A K Sri Vidyarth, II CE secured Fourth place in the Sports Inter College Sports Meet.
- Ms B Santhoshi, II CE won Second Prize in Paper Presentation at Bannari Amman Institute of Technology

- Mr. Lalith, III EC won First Prize with the cash prize of 50,000 /- in the DRONETECH Annual Technical Fest at IIT Varanasi's TECHNEX 23
- Mr. Madhavan, III EC won Second Prize with the cash prize of 30,000/- in the DRONETECH Annual Technical Fest at IIT Varanasi's TECHNEX 23
- Mr. Varun, III EC won Third Prize with the cash prize of 20,000/- in the DRONETECH Annual Technical Fest at IIT Varanasi's TECHNEX 23
- Athletic Meet in Bannari Amman Institute of Technology, Coimbatore/ Prize Winners
 - Mr. M. Tharunraj of III EE won Silver Medal and Mr. K. Praveen - I CAD/CAM won Gold Medal in Long jump (Men)
 - Mr. K. P. Manish of I ME won Silver Medal in 800 M (Men) and Mr. V. Aravind - IV EE won Bronze Medal 5000 M
 - Mr. K. Praveen - CAD/CAM Gold Medal/ Triple Jump (Men)
 - Mr. S. Thrivesh - I EE Silver Medal/ Discuss Throw (Men) and Gold Medal/ Shot Put (Men)
 - Mr. K. P. Manish - I ME/ Silver Medal in 1500 M (Men)
 - Mr. K. Praveen - I CAD/CAM/ Gold Medal in Long jump (Men)
 - Mr. M. Tharunraj - III EE won Silver Medal in Long jump (Men)
 - Mr. Pannai Alangara Pandian - III EEE won Bronze Medal Javelin Throw (Men)
 - Mr. V. Aravind - IV EE won Bronze Medal 5000 M (Men)
 - Mr. K. Aswini - I AD won Bronze Medal/ Discuss Throw (Women)
 - Mr. K. Praveen - I CAD/CAM, Mr. M. Praveenkumar - I CE, Mr. K. P. Manish, I ME
 - And Mr. T. Erajasridar - II CHE won Gold Medal in 4*400 M Relay (Men)
 - Ms. S. Monisha - CS secured Bronze Medal Triple Jump (Women)
- Ms. S. Pavithra, Ms. Mallisri, Mr. Naresh Kumar, Ms. C. S. Rohini IV EC secured First Prize in the Regional Finale, Umanigai Chennai TECHSHOWCASE'23
- Mr. J. S. Ajesh bose - III CS won Silver Medal in Deadlift competition Coimbatore Title Sponsor Wellcare Indian Fitness Federation, Strongman of Tamilnadu.
- Mr. M. Lakshmana Kumar, II ECE First Prize with 15,000 Cash AQUAROBOTICS , National Level Technical Event (TRYST 2023) at Indian Institute of Technology Delhi, New Delhi
- Mr. M. Lakshmana Kumar and Mr. G. Akhshai Kumar, II ECE secured Second Prize with 10,000 Cash in COSMOCLENCH, National Level Technical Event (TRYST 2023)
- Mr. G. Akhshai Kumar, II ECE won Second Prize with 10,000 Cash in AQUAROBOTICS, National Level Technical Event (TRYST 2023)
- Mr. K. Lalith, III ECE and Mr. S. Madhavan, III ECE secured Second Prize with 10,800 Cash in DRONE CHALLENGE, Elan & Envision '23 at Indian Institute of Technology Hyderabad.
- Ms. Sentisenla I Jamir, III BME Secured AIR 298 in GATE Exam.
- Mr. S. Sukant and Mr. P. Dhanaraj of II EEE won Second Place with Cash Prize of Rs.10000 in TRYST 2023 - Cosmoclench at Indian Institute of Technology, Delhi
- Mr. S. Sukant, II EEE won First Place with Cash Prize of Rs.15000 TRYST 2023 - Aqua Robotics at Indian Institute of Technology, Delhi
- Mr. P. Dhanaraj, II EEE won Second Place with Cash Prize of Rs.10000 TRYST 2023 - Aqua Robotics at Indian Institute of Technology, Delhi
- Kumaran G II Year CH cleared the International Certification in Japanese Language Proficiency/ Japanese Language NAT-TEST

Faculty Achievements

- KPRIET achieved Massive Certification (250 Faculty and 2800 Students) from Future Skills Prime
- CIVIL Department Secured 2nd Position at the National level organised by the AICTE CII Industry Link Award 2021
- KPRIET was recognised as Best Event Organizer by the Commissioner of Police, Coimbatore
- KPRIET won the Outstanding Student Chapter Award from Indian Concrete Institute and Ultra Tech Cements Pvt. Ltd
- Dr.M. Akila was selected as 'Advisory Panel Member' for The Half Brick
- Dr. D. Vigneswaran, AP(Sl.G)/ECE was awarded the 2% of scientist in World Rank Stanford University, USA and Elsevier
- Dr. R. Kiruba Shankar, Head-Mechatronics acted as the Chief Guest - Coimbatore Robotics League 2023 Big Bodhi Robotics Academy, Coimbatore
- Dr.P.Sreelatha Professor/BM got the Research Excellence award 2022 from Institute of Scholars (InSc), Bengaluru
- Dr.K.Karthikeyan/Head-Maths secured the Top Cited Paper from Wiley Publisher
- Continuing Education Program (NSC) Generated Revenue of Rs.11,625/- through MATLAB workshop CEP, KPRIET.
- KPRIET was awarded Great Place to Work consecutively for the second year from Great Place to Work Organization
- Lt. A. K. Priya, Prof/ Chemical was appointed as Visiting Professor with sponsorship for four months at ICAR – Indian Institute of Soil and Water Conservation.
- Dr.S.Logesh Kumar, AP(Sl.G)/BM Received SERB Travel Grant of Rs. 3,00,000/- for attending Conference at United States, SERB
- Dr.K.Rajasekaran, Professor/BM, received Student's Project fund of Rs.7,500/- from TNSCST
- Ms.M.Swathy AP(Sr.G)/BM Received Student's Project fund of 7,500/- TNSCST

Faculty Publications

Chem

- Karunakaran Saravanan, Vijaya Kumar Booramurthu, Sivakumar Pandian and Ravishankar Sathyamurthy (2022) "Synthesizes of Nanocatalyst for the Production of Biodiesel from Tannery Sludge; Characterization and Optimization", Theoretical Foundations of Chemical Engineering, Vol. 56, Issue No. 6, pp: 1140-1146.
- Karunakaran Saravanan, Vijaya Kumar Booramurthy, Sivakumar Pandian and Ravishankar Sathyamurthy, "Synthesizes of Nanocatalyst for the Production of Biodiesel from Tannery Sludge; Characterization and Optimization", Theoretical Foundations of Chemical Engineering, February 2022
- Gaurav Kumar Porichla, M. Venkatesh Prabhu, Ashish Kapoor and S. Balasubramanian, "Lipid Extraction from Freshwater and Marine Microalgae Using Confined Impinging Jet Mixer", AIP Conference Proceedings, February 2023

- K. Suresh, S. Balasubramanian and K.Sofiya, "Impact on the effect of acetic acid in its aqueous forms on environments and its separation methods", AIP Conference Proceedings, February 2023
- Akash Balakrishnan, Sowmya Appunni, Mahendra Chinthala, Meenu Mariam Jacob, Dai-Viet N.Vo, Sainath Reddy Soreddy, Emmanuel Sebastian Kunnel, "Chitosan based beads as sustainable adsorbents for wastewater remediation: A review", Environmental Chemistry Letters, February 2023
- Subramanian Kavitha, Saroj Sundar Baral, and Surendran Ganesan, " Removal of Hexavalent Chromium using Emulsion Liquid Membrane with jet mixer-a continuous approach", Chemical Engineering & Technology, March 2023.
- M. Laxmi Deepak Bhatlu, P. S. Athira, Neethu Jayan, Debabrata Barik and Milon Selvam Dennison, "Preparation of Breadfruit Leaf Biochar for the Application of Congo Red Dye Removal from Aqueous Solution and Optimization of Factors by RSM-BBD, Adsorption Science and Technology, March 2023.
- Rajeshkumar V., Senthil Kumar M., Al-Zaqri N. and Boshala A., "Adsorption of cationic dye (Red 95) from aqueous solution by biosynthesized nano particle of cumnium cyminum", Global NEST Journal, Vol 25, No 5, pp 1-10.
- S Vinoth, V Rajeshkumar, K Dhivya, S ArjunKumar, "Study on Flexural Strength of Beam Added with Slag Aggregate", Mathematical Statistician and Engineering Applications, Vol. 71, Issue 4, pp 8526.

CE

- S. Anandaraj, K. Raja, M. Mohamad Abbas, T. Madan Kumar, K. Varatharajan, N. Nivashini, "Experimental study on luffa fiber reinforced concrete using glass powder as cement replacement", Materials Today: Proceedings.
- S. Anandaraj, S. Karthik, S. Sylesh, R. Kishor, K. Suresh, K. Jai Prakash, KA. Dinesh Kannan, "Experimental investigation on sugarcane bagasse fiber reinforced concrete using bottom ash as sand replacement", Materials Today: Proceedings.
- Geethamani R, Kanmani S, Soundara B, published paper in the title "Assessment of Groundwater Quality in and around the Solid Waste Dump Site using Multivariate Plot Analysis" in Global Nest, SCI, 1790-7632
- S. Anandaraj, K. Raja, M. Mohammed Abbas, T. Madhan Kumar, K. Vartharajan, N. Nivashini, "Experimental study on luffa fiber reinforced concrete using glass powder as cement replacement" in Materials Today Proceedings, Scopus, ISSN No: 2214-7853.
- S. Elavarasan, A. K. Priya, K. S. Elango, S. Shahitya published paper in the title "A review on addition of egg shell powder to CSEB blocks" in Materials Today Proceedings, Scopus, ISSN No: 22147853.
- 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

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- Subramani, J., Maria, Arun Sekar Rajasekaran, A. S., Al-Turjman, F., & Gopal, M. (2023). Blockchain-based physically secure and privacy-aware anonymous authentication scheme for FOG-based Vanets. IEEE Access, 11, 17138-17150. <https://doi.org/10.1109/access.2022.3230448>
- Arumugam, C., Kandasamy, K.S.Tamilselvan., & Kumaravel Subramaniam, T. (2023). Enhancement of the carbon content and electrochemical performance by decorating zinc oxide over graphene oxide/polyaniline composite. Journal of Electrochemical Energy Conversion and Storage, 20(2). <https://doi.org/10.1115/1.4056531>

- Ashok Vajravelu, K.S.Tamil Selvan, Muhammad Jamil Mahadi, Anitha Jude, & Isabel de Diez. (2023). Machine learning techniques to detect bleeding frame and area in wireless capsule endoscopy video. *Journal of Intelligent & Fuzzy Systems*, 44(1), 353–364. <https://doi.org/10.3233/jifs-213099>
- Arun Sekar Rajasekaran, M.Azees, & Khalid Yahya. (2023). FHAAPS: Efficient anonymous authentication with privacy preservation scheme for farm-to-home communication. *Security and Communication Networks*, 2023, 1–12. <https://doi.org/10.1155/2023/1225675>
- M.Vasim Babu, Ramesh Sekaran, Suthendran Kannan, & Vinayakumar Ravi. (2023). CE2RV: Commissioned energy-efficient virtualization for large-scale heterogeneous wireless sensor networks. *International Journal of Communication Systems*. <https://doi.org/10.1002/dac.5480>
- K S Tamilselvan, Sharmila A, & Dharani. (2023). Embedded Technology based Automatic Agriculture Assistance System for Indian Farmers. *Indian Journal of Natural Sciences*, 13(76), 52185–52193.
- M. Supriya, V. Jayaraj, S. Vinod, V. Uma Maheswari, M. A. Raja and S. Krishnakumar, "RFLSR based Productive MBIST Architecutre for VLSI," 2022 Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE), Bangalore, India, 2022, pp. 1-5, doi: 10.1109/ICATIECE56365.2022.10047528.
- T. Jagadesh, A. Reethika, B.Jaishankar, & M.S.Kanivarshini. (2023). Early prediction of epileptic seizure using Deep Learning algorithm. *Brain-Computer Interface*, 157–177. <https://doi.org/10.1002/9781119857655.ch7>
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- Arumugam, C., Kandasamy, S. K., & K.S.Tamilselvan (2023). Enhancing supercapacitor performance using zno embedded on go/PPY composite as versatile electrodes. *High Energy Chemistry*, 57(1), 69–76. <https://doi.org/10.1134/s0018143923010034>
- S. K. Agarwal, S. M. Ramesh, A. A. Kumar, S. Yadav, M. Nagalakshmi and P. Singh, "A microservices-based IoT applications in Edge computing environments," 2022 2nd International Conference on Innovative Sustainable Computational Technologies (CISCT), Dehradun, India, 2022, pp. 1-5, doi: 10.1109/CISCT55310.2022.10046492
- Arun Sekar R, Kirubalini, "Design of arithmetic circuits using an Approximation computing", IEEE International conference on Advanced computing and commuting systems, 17-18th march 2013
- Muralidharan J, "Cybersecurity in IoT using deep learning models", 2nd International conference on sustainable computing and data communication systems, 23-25 march 2023
- K.Kalirajan, "Alzheimer's Disease classification using convolutional neural networks", IEEE International conference on Innovative data communication technologies and application, 14-15 march 2023
- M.D. Saranya, "Deep neural networks for standard value estimation", Third international conference on Artificial Intelligence and smart computing" 9th to 11th march 2023
- Vidhya, N., Seethalakshmi, V., Suganyadevi, S. (2023). Non-silicon Computing with Quantum Superposition Entanglement Using Qubits. In: Pandey, R., Srivastava, N., Singh, N.K., Tyagi, K. (eds) *Quantum Computing: A Shift from Bits to Qubits*. Studies in Computational Intelligence, vol 1085. Springer, Singapore. https://doi.org/10.1007/978-981-19-9530-9_8

- Dr.Pandiyan P, "Design and simulation of piezoelectric MEMS logic gates", Ferroelectrics, January 2023.
- Dr.Chandrika V S, "Fault diagnosis in a five-level multilevel inverter using an artificial neural network approach", Electrical Engineering and Electromechanics, January, 2023.
- Dr.Pandiyan P, "Design and Development of Voice and Keypad Controlled Smart Wheelchair", IEEE conference on Smart Technologies, Communication and Robotics (STCR), January 2023.
- Mrs.Revathi R, "Voice Controlled Indoor Air Purifier with Sleeping Aid", Mathematical Statistician and Engineering Applications, January 2023.
- Mrs.Revathi R, "Iot Based Industrial Protection System with Energy Management", Mathematical Statistician and Engineering Applications, January 2023.
- Dr.Ravindran S, "Electricity Price Forecasting using Multilayer Perceptron Optimized by Particle Swarm Optimization", IEEE conference on Smart Technologies, Communication and Robotics (STCR), January 2023.
- Mr,V.Kamal Kumar, " Optimum Transistor Sizing of CMOS Differential Amplifier using Tunicate Swarm Algorithm" Journal of Circuits, Systems and Computers, February 2023.
- Dr.A.Kathick and Dr.V.Kumar Chinnaiyan, " Energy Forecasting of the building-integrated photovoltaic facade using hybrid LSTM", Environmental Science and Pollution Research, February 2023.
- Dr.R.Seshu Kumar, "An Enhanced Space Vector PWM Strategies for Three Phase Asymmetric Multilevel Inverter", International Transactions on Electrical Energy Systems, February 2023.
- Dr.R.Seshu Kumar, "A New Switched Capacitor based Five-Level Inverter for PV Applications" International Conference on Intelligent Healthcare and Computational Neural Modelling, February 2023
- Dr.K.Mohana Sundaram, "Battery Monitoring System and SOC Enhancement Analysis Using Artificial Intelligence Techniques", Artificial Intelligence Applications in Battery Management Systems and Routing Problems in Electric Vehicles, IGI Global Publishers, February 2023.
- Dr.V.Parimala, "DFIG Powered Yaw Function for Wind Energy Network" IEEE International Conference on Automation, Computing and Renewable Systems (ICACRS), March 2023.
- Dr.P.Pandiyan, "A Comprehensive Review on Internet of Agro Drones for Precision Agriculture" Internet of Drones, March 2023.
- Dr.A.Karthick "Intelligent Technologies for Scientific Research and Engineering" Bentham Books, March 2023.
- Mr.P.Ravi Kumar, "IoT in Multidimensional Approach" IIP Publishers, March 2023.
- Mr.P.Ravi Kumar, "Solar Energy, Green Energy and Renewable Energy Challenges for Sustainable Environment" SIPH publishers, March 2023.

S&H

- Dr.M.Subramanian , "Existence of solutions for Caputo sequential fractional differential equations with integral boundary conditions." *Int. J. Nonlinear Anal. Appl* 14, no. 1 (2023): 3045-3061.
- Dr.M.Subramanian, "Existence and Ulam–Hyers Stability Results for a System of Coupled Generalized Liouville–Caputo Fractional Langevin Equations with Multipoint Boundary Conditions." *Symmetry* 15, no. 1 (2023): 198.
- Dr.M.Subramanian, "On a System of Coupled Langevin Equations in the Frame of Generalized Liouville–Caputo Fractional Derivatives." *Symmetry* 15, no. 1 (2023): 204.
- Dr. K. Karthikeyan, "Analysis of the far-field behavior of waves in magnetogasdynamic." *AIMS Mathematics* 8, no. 3 (2023): 7329–7345.
- Dr. K. Karthikeyan, "Existence Results for Abstract Fractional Integro Differential Equations", *Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis*, 30 (2023) 109–119.
- Dr. S. Suriya Uma Devi and Dr. M. Prakash, "Entropy Study of Hybrid (Al₂O₃–Cu/H₂O) Nano-Fluid in a Cylindrical Cavity with Wavy Sides Under the Effect of a Parallel Magnetic Field." *Journal of Nanofluids* 12, no. 1 (2023): 231–241.
- Dr. Suriya Uma Devi S, "Numerical Crank-Nicolson methodology analysis for hybridity aluminium alloy nanofluid flowing based-water via stretchable horizontal plate with thermal resistive effect", *Case Studies in Thermal Engineering*, Volume 42, 2023, 102707,
- Dr. K. Karthikeyan, "Analysis on Controllability Results for Impulsive Neutral Hilfer Fractional Differential Equations with Nonlocal Conditions." *Mathematics* 11, no. 5 (2023): 1071.
- Dr. K. Karthikeyan, "Existence and uniqueness for a coupled system of fractional equations involving Riemann-Liouville and Caputo derivatives with coupled Riemann-Stieltjes integro-multipoint boundary conditions." *AIMS Mathematics* 8, no. 5 (2023): 10067–10094.
- Dr. K. Karthikeyan, "The Existence of the classical and strong solutions for fractional impulsive semilinear integro differential equations." *Nonlinear Studies* 30, no. 1 (2023): 183–197.
- Dr. S. Suriya Uma Devi, "Finite element mechanism and quadratic regression of magnetized mixed convective Burgers' nanofluid flow with applying entropy generation along the riga surface" *International Communications in Heat and Mass Transfer*, Volume 142, 2023, 106631.
- Dr. K. Karthikeyan, "New results on fractional relaxation integro differential equations with impulsive conditions" in *Filomat* 37, no. 17 (2023): 5775–5783.
- Dr. M. Subramanian, "Post-Pandemic Sector-Based Investment Model Using Generalized Liouville–Caputo Type" *Symmetry* 15, no. 4: 789.
- Ms.R.Jagadeeswari, " Electrochemical, structural, optical, and morphological characteristics of Cu-loaded ZnO nanostructures synthesized from bio-waste (maize) using a green synthesis technique" in *Digest Journal of Nanomaterials and Biostructures*, Vol.18, No.1, in February 2023.
- Ms.K.Sharmila, "The Impact of Interpersonal Communication on Employee Performance During Work from Home" in the *International Journal of Humanities and Innovation*, Vol 6, No.1, in March 2023.

Patent Publications

Chem

- Dr. S. Karunakaran, Associate Professor, Department of Chemical Engineering and Mr. N. Arunkumar, Assistant Professor (SL.Gr), Department of Chemical Engineering has published a patent on "FARMER'S TECHNO BINDER".

Civil

- Ms. S. Yuvaraj, Assistant Professor, Department of Chemical Engineering published a patent on Design and Testing of Flat Slab using Coconut Shell Concrete on 17.03.2023.

EEE

- Mr.A.Mohamed Ibrahim has published a patent on, "An Intelligent Real-Time Monitoring System and Control Method for Grid Attribute Access Control Method based on Bloom Filter", Indian patent, March 2023.

Faculty as Resource Person

BM

- Mr. John Amose, Assistant Professor, Department of Biomedical Engineering, was invited as a Guest speaker in an International Faculty Development program organised by Easwari Engineering College, Chennai.

CE

- Dr. G. Anusha was invited as a Guest speaker for a program titled, "Teaching learning process and outcome based education", organized by VELS Institute of Science, Technology and Advanced studies from 23.01.2023 & 31.01.2023.
- Dr. G. Anusha, Mr. Yuvaraj S, Dr. Saravanakumar, Ms. K. Dhivya acted as resource persons for the 2023 International conference on advanced technologies in chemical, construction and mechanical sciences (ICATCHCOME 2023) from 09.02.2023 to 10.02.23.
- Ms. K. Dhivya acted as a resource person for the event Conventional Concrete vs. Hybrid Concrete organized by Annapoorna Engineering College on 20.03.2023.
- Mr. P. Kalaivanan & Mr. Yuvaraj acted as a resource person for the event Career Opportunities in "IT and Marketing Sector" organized by KPRIET on 13.03.2023.
- Mr. Yuvaraj acted as a resource person for the event Repair, Rehabilitation & Retrofitting of Structures organized by KGiSL Institute of Technology on 28.03.2023.
- Ms. B. S. Meenakshi acted as a resource person for the event Uimage Tech Showcase 23 organized by Hindustan Institute of Technology on 03.03.2023.

EC

- Dr.M.Vasim babu, Professor, Dr.R.Gurumoorthi,Associate Professor, Department of ECE, acted as resource person for a session on "Innovation in wireless communication and security" organised by PSNA college of Engineering and Technology on 07.03.2023.

S&H

- Dr. K. Janagi, AP(SL.G)/Mathematics, was invited to act as a resource person in a seminar on Advanced Engineering Mathematics organized by Narasu's Sarathy Institute of Technology on 10 March 2023.
- Dr. M. Myvizhi, AP(SL.G)/ Mathematics, was invited to act as a resource person for a webinar on the occasion of National PI Approximation day celebration at Sri Adi Chunchanagiri Women's College, Cumbum on 14 March 2023.

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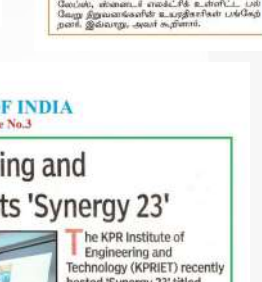
© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

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‘சிறப்பு’ 2023’ கருத்துரைகள்... ஸார்வங்க, தொழில்நுட்ப மற்றும் காப்பாற்று’ துறைகள் மற்றும் மனவாங்குகள். பேசு கருத்து... பரிமாற்ற... நூ. துருது. சமயங்கள், சமூகங்கள், சமூகம், பணம், சிறிபம், சமீபம், சமீபம், சமீபம், சமீபம்...



 Vanakkam Thamizhagam



hosted Synergy 23 titled "Bridging the Gap Between Industry and Academy". It was aimed at connecting students with more than 40

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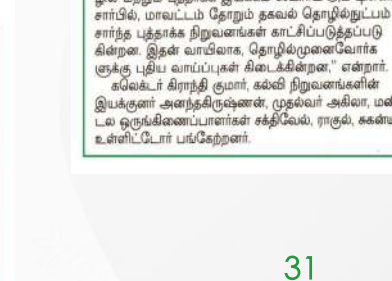
அப்போது அவர் பேசுகையில், "தமிழ்நாடு புத்தெழில் மலர்வும் பக்காக்க இயக்கம் ஸ்டார்ட். அப் பின்னர்



மேலும், ஸ்தலத்திற்கு சாலை இல்லாததால் தேவியா அறியவல்ல பணிகளை மேற்கொள்ளுவதில் எல்லை ஏதும் தொழில்துறை அல்லது வணிகத்தில்தான் இருக்க வேண்டும் என்று, மேலும் ஸ்தலத்தின் தொழில்துறைத் துறையினத்தை ஆராய்ந்து அதன் தரப்படுத்தல் நடத்தப்படும்.



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Date: 10 March 2022

KPRIET organized Neurological Disorders Workshop

KPRIET organized Neurological Disorders Workshop

Engineering Technology / ICT, Research & Development, Innovation & Entrepreneurship, Quality Management, Health & Safety, Environmental Management, and Social Responsibility

Engineering Technology / ICT, Research & Development, Innovation & Entrepreneurship, Quality Management, Health & Safety, Environmental Management, and Social Responsibility

AFTERNOON
07.03.2023 Page No.2

KPRIET Institute hosts Synergy' 23

KPRIET Institute hosts Synergy' 23

கே.பி.ஆர்., பொறியியல் கல்லூரியில் கல்வி உதவித்தொகை வழங்கும் விழா!

கல்வி உதவித்தொகை வழங்கும் விழா!

தினமணி
16.02.2023 பக்கம்-4

2030 ஆம் ஆண்டுக்குள் 1 மில்லியன் அமெரிக்க டாலர் பொருளாதாரம்

2030 ஆம் ஆண்டுக்குள் 1 மில்லியன் அமெரிக்க டாலர் பொருளாதாரம்

தினமணி

‘கோவை டைஸ்’ கிரிக்கெட் இறுதிப்போட்டியில் கே.பி.ஆர்.,

‘கோவை டைஸ்’ கிரிக்கெட் இறுதிப்போட்டியில் கே.பி.ஆர்.,

தினமணி
16.03.2023 Page No.2

அனைத்து கிராமங்களிலும் இன்டர்நெட் சேவை கையம்

அனைத்து கிராமங்களிலும் இன்டர்நெட் சேவை கையம்

சினிமா செய்திகள்

சினிமா செய்திகள்

தினமணி
16.03.2023 Page No.2

கே.பி.ஆர்., கல்லூரியில் மகளிர் தின விழா

கே.பி.ஆர்., கல்லூரியில் மகளிர் தின விழா

தினமணி
12.03.2023 பக்கம்-2

கே.பி.ஆர்., பொறியியல் கல்லூரிக்கு விருது

கே.பி.ஆர்., பொறியியல் கல்லூரிக்கு விருது

KPRIET event turns students-industry meet

KPRIET event turns students-industry meet

தினமணி
16.03.2023 பக்கம்-3

பணிபுரிய சிறந்த இடமாக கே.பி.ஆர்., கல்லூரி தேர்வு

பணிபுரிய சிறந்த இடமாக கே.பி.ஆர்., கல்லூரி தேர்வு

தினமணி
26.03.2023 பக்கம்-4

கே.பி.ஆர்., பொறியியல் கல்லூரிக்கு புகழமையான படைப்புகள் கடைப்பிடித்து விழா

கே.பி.ஆர்., பொறியியல் கல்லூரிக்கு புகழமையான படைப்புகள் கடைப்பிடித்து விழா

தினமணி
06.03.2023 பக்கம்-2

கே.பி.ஆர்., கல்லூரி புரிந்துணர்வு ஒப்பந்தம்

கே.பி.ஆர்., கல்லூரி புரிந்துணர்வு ஒப்பந்தம்

தினமணி
14.03.2023 பக்கம்-3

பணிபுரிய சிறந்த இடமாக கே.பி.ஆர்., கல்லூரி தேர்வு

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14.03.2023 பக்கம்-3

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THE HINDU
27.03.2023 Page No-5

KPRIET received Great Place to Work Certification

KPRIET received Great Place to Work Certification

தினமணி
16.03.2023 Page No-13

‘கோவையில் ஐ.டி., துறை 20 சதவீத வளர்ச்சி’

‘கோவையில் ஐ.டி., துறை 20 சதவீத வளர்ச்சி’

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தினமணி
16.03.2023 Page No-13

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