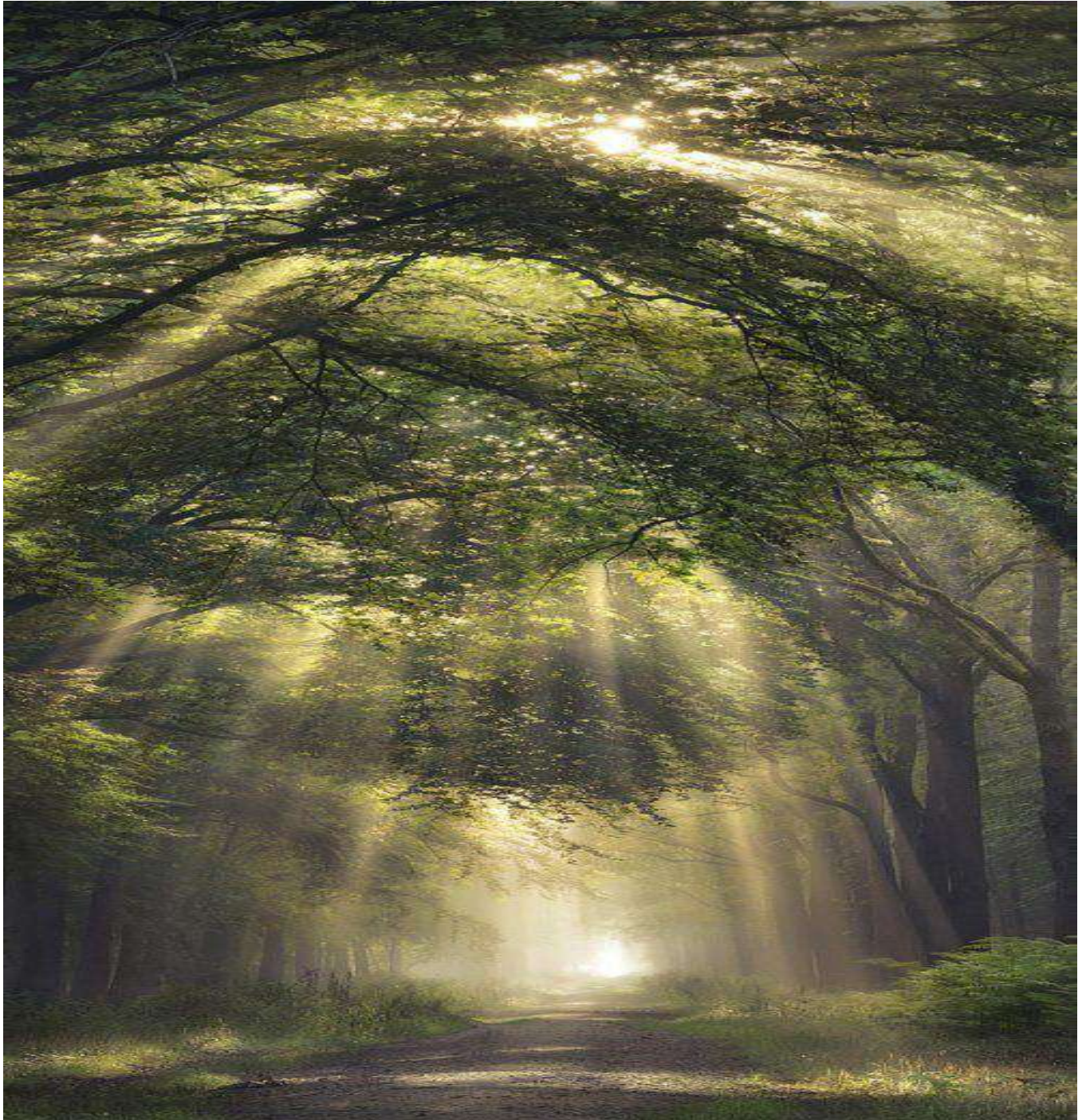


Science and Humanities Newsletter – Feb - June 2024



Educate to Empower

EDITORIAL BOARD

Editor in Chief

Dr. M. Hema.

**Associate Professor/Head, Department of Science
and Humanities**

Editor

**Dr. Suvitha Subramaniam
AP, Department of English**

I. Publications by faculty members:

1. Dr.S.Brindha published a paper titled "An Efficient Deep Learning Model for Intraoperative Tissue Classification in Gynecological Cancer" in IEEE conference.
2. Dr. Sathyaseelan published a patent titled "Coding Culture: English Language Learning in the Tech Industry" in January 2024.
3. Lt.Dr.Charly Jerome published a patent titled"AI based AI based Prevention of Cyber-attacks on Healthcare Organizations using IoT, Cloud Computing and Machine Learning Approach" in January 2024.
4. Dr. T. Jayasudha published a patent titled "Artificial Intelligence and IOT-based Smart Home Automation Under Wi-Fi Through Android Apps from any Smart Phone" in February 2024.
5. Dr.Hema published a patent titled "AI Based Blockchain-Powered Secure Vault for Personal Data and Identity Management" in March 2024

II. Events organized:

On 27th and 28th February 2024, Department of Science and Humanities, organized National Science Day -24 in the first-year block. A number of students from various classes participated in the exhibition. The science exhibition was held in honor of Sir Chandrasekhara Venkata Raman. The chief guest for this exhibition was Mr. Sathish Kumar K, Senior Manager – Engineering, HIROTEC INDIA, Coimbatore and Mr. RAMARAJ N Head, STEAM Labs, GD Museums GD Naidu Charities, was the guest of honor for the event. Various events like Science and math quiz, paper presentation, project expo etc. were conducted for first year students. Preliminary selection was done on the 27th February. On 28th morning 10 am Science Day celebration started with Welcome address by Dr. S. Saravanan, Principal, KPRIET. Dr. A M. Natarajan, Chief Executive and Dr. K. Ramaswamy, Secretary also were present for the inauguration. Followed by inauguration final evaluation of selected project, paper presentation and quiz were done. Models of solar power energy, space satellites, hydroelectric generators, AC and DC motors, automatic transformers, and robots were built by the students. Chief Guest, guest of honor along with the Principal, CE and secretary went around



looking at the different models designed by the students and assessed the descriptions given by the students. Apart from models, the students also organized visual presentations to help everyone understand the concepts of their working models. Chief Guest gave a speech on the importance of the contributions of the young generations to the field of science and technology. At the end of the exhibition, five best projects were selected and honored. Everyone who participated in the exhibition were given certificates and mementoes for their excellent efforts.

The Department of Mathematics at KPR Institute of Engineering and Technology organized a one-week online training program on 'Teaching Mathematics with MATLAB' from June 10, 2024 to June 14, 2024. This training aimed to enhance the teaching skills of mathematics educators by providing them with practical knowledge of MATLAB. A total of 25 participants,

including faculty members and research scholars, attended the program. Dr. P. Suriyakumar, Assistant Professor of Mathematics and the program coordinator, introduced the resource persons; Mr. Gowtham Rajmohan and Mr. S. Afsal from ARK Info solutions Pvt. Ltd., Chennai.

On day 1, Mr. Gowtham Rajmohan and Mr. S. Afsal led the first day's session, covering the applications of MATLAB and its importance. They also discussed how to map CO-PO attainment. On day 2, MathWorks expert DebSing Deo conducted the second day's session, focusing on numerical analysis using MATLAB. Participants learned various innovative ideas about numerical methods. On day 3 and 4, our faculty members engaged in discussions with the resource persons and completed three self-paced courses as part of the training program. On the last day, Mr. S. Afsal delivered a session on MATLAB Grader, explaining how to use it for assigning tasks and assessments. Participants reported a significant increase in their confidence in using MATLAB for teaching mathematics. Many expressed their intention to integrate MATLAB into their curriculum and share the knowledge with colleagues. The one-week training program on 'Teaching Mathematics with MATLAB' successfully achieved its objectives. The positive feedback and active engagement of participants highlighted the program's impact.

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

Department of Mathematics organises

One week online Training program on Teaching Mathematics with MATLAB from 10/06/2024 to 14/06/2024

Resource Persons

Er. Gowtham Rajmohan,
Senior Application Engineer-MATLAB
ARK Infosolutions Pvt Ltd
Chennai

Er. S.Afsal
Senior Application Engineer-MATLAB
ARK Infosolutions Pvt Ltd
Chennai

Coordinators:
Dr. K. Karthikeyan, Professor and Head/Maths
Dr. P. Suriyakumar, AP(Sr. G)/Maths
kpriet.edu.in | KPRIET online

Awareness Programme on Forest Conservation:

Mr. P. Ramesh, Forest Range Officer from Sirumugai Social Forestry Range, Coimbatore, and his team conducted an informative session on the importance of forest conservation and sustainable resource management. They highlighted the role of forests in maintaining ecological balance, biodiversity, and mitigating climate change. Tree Plantation. As a practical



demonstration of their commitment to conservation, participants engaged in a tree plantation drive. This hands-on activity aimed to instill a sense of responsibility towards environmental stewardship among attendees. The event provided an opportunity for students and faculty members to interact with Mr. P. Ramesh and his team, facilitating discussions on various environmental issues, conservation strategies, and the role of individuals in preserving natural resources. The collaborative effort between KPRIET-NSS Cell, Department of Chemistry, Tamil Nadu Forest Department (Coimbatore Division), and Sirumugai Social Forestry Range proved to be instrumental in organizing a successful awareness program on conservation. The event served as a platform for education, engagement, and collective action towards safeguarding our planet's precious resources for future generations. Building on the success of this event, it is recommended to continue organizing similar awareness programs, workshops, and tree plantation drives to sustain momentum in environmental conservation efforts. Strengthening partnerships with local authorities, NGOs, and educational institutions can further enhance the impact of such initiatives and contribute to building a greener and more sustainable future.

The Student Development Programme organized by the English Department on 22.02.2024, aimed to enhance the communication and interpersonal skills of Computer Science and Engineering (CSE) students through a structured group discussion session. Led by Ms. Sharmila.K, Assistant Professor of the English Department, and coordinated by Dr. Sathishkumar P and Dr. Suvitha Subramaniam, the session provided students with a platform to express their ideas, improve their ability to articulate thoughts, and foster collaboration and critical thinking. The Group Discussion session, held in Veena Hall, commenced promptly at 3:00 PM and lasted for one hour. Ms. Sharmila.K, along with the coordinators Dr. Sathishkumar P and Dr. Suvitha Subramaniam, facilitated the session, guiding students through various discussion topics tailored to enhance their communication skills and critical thinking abilities.

The poster features the KPR Institute of Engineering and Technology logo at the top left, with the tagline 'Learn Beyond' and 'Autonomous NAAC 'A''. The main title is 'STUDENT DEVELOPMENT PROGRAM' with the subtitle 'THE ART OF GROUP DISCOURSE'. The date and time are listed as '22.02.2024, 03.00 PM TO 04.00 PM' in a blue box, with the location 'VEENA HALL'. A circular portrait of Ms. Sharmila K is on the right. Below the portrait, the Convener is listed as 'Dr. T. Jaysudha, Head / English' and the Coordinators as 'Dr. Sathishkumar P, AP/ English' and 'Dr. Suvitha Subramaniam, AP/ English'. The bottom of the poster includes the website 'kpriet.edu.in', social media icons, and logos for G2 and KPR Institute of Engineering and Technology.

Inauguration of Capsule course:

The capsule courses on *Blog Writing* and *Storytelling for Image Building* were officially launched on 18.4.2024, marking a significant milestone in the academic journey of the institution. Ms. Rohini, the distinguished Project Lead of Accenture, graced the event as the Chief Guest and shared invaluable insights into the relevance of blog writing and storytelling in today's dynamic corporate landscape. The launching of the capsule courses on Blog Writing and Storytelling for Image Building was met with enthusiasm and optimism, promising a transformative learning experience for all participants. The event served as a testament to the commitment of KPRIET towards nurturing holistic education and fostering excellence in communication skills.



The English Department of KPRIET conducted an expert talk titled 'Blogging Basics: Write, Post, and Engage,' on June 3rd between 10 am and 12:45 pm. The aim of the event was to provide students with fundamental insights into the world of blogging, covering essential topics such as crafting compelling content, effective posting strategies, and engaging with an online audience. Mr. Jude Felix, a blogger and digital content expert, acted as the resource person. With years of experience in the blogging industry and a knack for creating impactful content,

Mr. Felix shared invaluable tips and strategies that can help aspiring bloggers kickstart their journey. His expertise spans various aspects of blogging, including SEO optimization, audience engagement, and maintaining a consistent posting schedule. During the session, Mr. Felix delved into the art of writing engaging blog posts, the importance of selecting relevant topics, and techniques for keeping readers hooked. He also covered the technical side of blogging, such as using keywords effectively, optimizing blog posts for search engines, and leveraging social media for broader reach. This event served as an enriching experience for students interested in exploring the blogging landscape. Attendees gained practical knowledge and actionable insights that would enhance their writing skills and online presence.

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

Department of English

Blog Writing

Capsule Course

Blogging Basics: Write, Post and Engage

Resource Person
Mr. Jude Felix
Freelance Building Planner and Content Writer

03.06.2024 | 10.00 AM
S&H Block GF2

KPRIETOnline

V. Notable achievements of the students:

Praemjith P R and Thulasimanikandan students from ARC participated in MANUSYS'24 National Level Technical Symposium at College of Engineering, Guindy on 24/04/2024 and won prize.



Ms. Kiruba K, Ms. Nisha K, Ms. Laksitha, Ms. Kavya and Ms. Kowsalya Devi of I CS B bagged the first and second prize in Technical events and received an award of Rs.1000 and Rs.500 at Sri Sakthi Institute of technology on 26.4.2024.



Ramkumar V, Sathish T, Kousik Radhakrishnan GH from 1st year Mechatronics Engineering participated in MECHNOTRON'24 at Coimbatore Institute of Technology, Coimbatore, held on 26 April 2024



Ms. Praneetha S and Ms. Kabila.U from I CSE B participated in RED NATION 2k24 at *BANNARI AMMAN INSTITUTE OF TECHNOLOGY, held on 6 MAY 2024 and secured 3rd Prize in IDEATHON project presentation for representing *AI-MIRROR.



Mr. Karthik Ramasamy and Mr. Inomusa Enock of from first year Chemical Engineering bagged the second prize in a paper presentation event organized by Builders College on 11.5.2024. They were awarded a cash prize of Rs. 500.



Mr. Harish R, Mr. Sabarish and Mr. Arsath Arif from first year Mechanical Engineering got shortlisted for two weeks Summer Internship Programme 2024 to be offered by the Siemens Centre of Excellence, Madras Institute of Technology Campus -Anna University on 20th June 2024.



The poster is for the Siemens Centre of Excellence Summer Internships 2024, held at MIT Campus - Anna University, 600 044. It features two main sections: a 2-week internship (June 24 to July 8, 2024) and a 4-week internship (June 24 to July 17, 2024). The 2-week program covers topics like AC Drives, CAD Essentials, PLC Basics, and Industrial Robotics. The 4-week program covers CAD & CAE, PLC & HMI, and Mechatronics Design & Troubleshooting. A QR code is provided for registration, along with a link: <https://forms.gle/EWBYokgEYiwDdxxv5>. Registration fees are listed as Rs. 2,360/- for 2 weeks and Rs. 4,720/- for 4 weeks, both including GST. The last date for registration is 18.06.2024. Contact information for queries is provided as 044 2291 6355 and email: scoe@mitindia.edu.



Javinda ARK from I CSE and Archana from I AD **hosted the SSEM conference** on Electric Vehicles and Allied Industries conducted on 20th June 2024 in hotel KISCOL Grand.