

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. Ananth Steephen, published a paper titled "**Optimising pharmacokinetics via ADMET, bioactivity of Zr substituted samarium-doped ceria nanomaterials**" in International Journal of Nanotechnology, Vol. 20, no. 5-10, pp.512-522
2. Dr. J. Suryakanth published a paper titled "**Influence of h-BN Concentration on the Development of PVDF-HFP/TiO₂/h-BN Nanocomposite Films for Electroadhesive Applications**" in Journal of Electronic Materials, Vol. , no. , pp.1-9
3. Suryakanth Jothiprakash published a paper titled "**Deposition and characterization of ZnO/CdSe/SnSe ternary thin film based photocatalyst for an enhanced visible light-driven photodegradation of model pollutants**" in Journal of Sol-Gel Science and Technology, Vol. , no. , pp.1-14
4. Babu Balraj published a paper titled "**A Review on the Non-Linear Optical Performance of Picric Acid based Crystals**" in Asian Journal of Chemistry, Vol. 35, no. 11, pp.2603-2617
5. Suryakanth Jothiprakash, published a paper titled "**Effect of temperature on morphological, optical and electrochemical properties of SnO₂ nanoparticles**", in Bulletin of Materials Science.
6. **E. Ranjith Kumar** published a paper titled "Citrus sinensis assisted biogenic synthesis and physicochemical properties of Fe₃O₄ nanoparticles for antibacterial activity", in Ceramics International.
7. **Prabakaran K** published a paper titled "Innovative PANI/g-C₃N₄@rGO nanocomposite electrode for improved energy storage and conversion applications", in Ceramics International.
8. **Ranjith Kumar Easwaran** published a paper titled "Cobalt oxide nanoparticles for biological applications: Synthesis and physicochemical characteristics for different natural fuels" in Ceramics International.

9. **Ranjith Kumar Easwaran** published a paper titled, "Structural, vibrational and magnetic properties of heat treated CuFe₂O₄ nanoparticles prepared by two different synthesis routes" in *Ceramics International*.
10. **Dr. T. Sathyaseelan** published a paper titled "The Role Of ICT In English Language Teaching" in *European Chemical Bulletin* in July 2023.
11. **Dr. R. Saranya** published a paper titled "The Quest for Identity in a Male-Dominated Society: Representations of Women in Manju Kapur's *Difficult Daughters*" in *English Academy Review -A Journal of English Studies* in August 2023.
12. **Dr. S. Brindha** published a paper titled "The Role of Organisational Culture in Promoting Work - Life Balance: A Literature Review" in *Journal of Harbin Engineering University* in August 2023.
13. **Dr. T. Jayasudha** published a paper titled "Artificial Neural Network using Image Processing for Digital Forensics Crime Scene Object Detection" in IEEE conference in July 2023.
14. **Dr. Suvitha Subramaniam** published a paper titled "Potato Plant Leaf Disease Detection and Recognition Using R-CNN Model" in IEEE conference in July 2023.
15. **Dr. M. Hema** published a paper titled "Real Time Object Detection based on RCNN Technique" in IEEE conference in July 2023.
16. **Ms. K. Sharmila** published a paper titled "E-Learning Platforms in Agricultural Education: Legal and Managerial Considerations for Effective Implementation" in *Tuijin Jishu/Journal of Propulsion Technology* in December
17. **Ms. K. Sharmila** published a book titled "Optimizing Global Digital Marketing Communication Strategies for Cross- Border Success- & IOR International Press in November 2023.

IV. Events organized:

The Department of Mathematics organized a talk on “Opportunities beyond an Engineering Degree” on 6.10.2023. Dr. Karuppanan Sekar acted as the resource person.

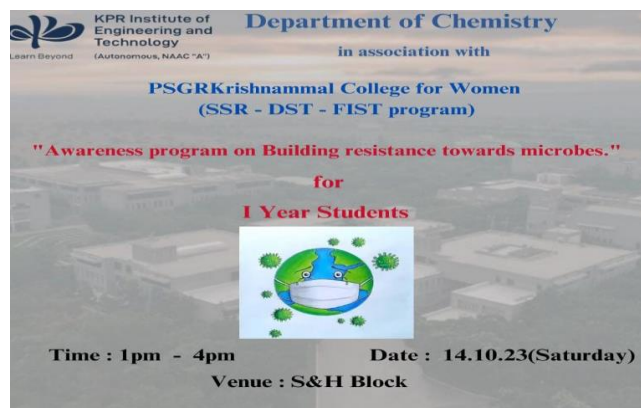


The Department of English conducted MOC Audition to enable students to unleash their hosting skills. The event was conducted on 14.10.2023. Students from the first year participated in the event with great gusto.



Department of Chemistry organized an Awareness program on building resistance against microbes for first year students on 14.10.23. It was organised in association with PSGR Krishnammal college for women, Coimbatore as a part of Scientific social responsibility (SSR) funded by DST-FIST event.

Dr.Shymala & Dr.Angulakshmi, Assistant Professor, Department of Chemistry, PSGR Krishnammal college for women along with 8 student volunteers addressed the gathering. 900 students from 1st year participated in the awareness session. Raising awareness about antimicrobial resistance (AMR) through educational programs and campaigns can have several positive outcomes. These initiatives are essential in informing the public, healthcare professionals, and policymakers about the challenges posed by AMR.



The Department of Physics organized a talk titled ‘Need of Innovation and Design Thinking for sustainable Development on 31.10.2023. This event was organized for the students of various branches in order to enrich their knowledge in design thinking and innovation. The core purpose of the event is to allow you to work in a dynamic way to develop and launch innovative ideas. The focus of his talk was on identifying struggle points while working on any innovative idea. He emphasized the importance of having a clear vision for innovation and business and searching for options and markets that align with that vision.



The Department of English organized a Guest Lecture titled, 'How to ace Interviews with Skills and Etiquette' on 28.10.2023. Ms.HariPriyankhaa S B, Direct Marketing Manager, English Partner was the resource person for the event. The event aimed at empowering students and attendees with essential skills and etiquette to excel in job interviews. HariPriyankhaa S B is a seasoned professional in the field of Networking and Soft Skills.



The guest lecture was an enlightening and informative session, designed to provide attendees with practical insights on interview preparation, communication, and professional etiquette. She provided valuable tips and strategies on how to prepare for interviews, including dress code, body language, and follow-up after interviews. The resource person also threw light upon how to curate an impressive self-introduction. She also touched upon crafting compelling resumes that stand out to potential employers. The lecture was interactive and engaging with a lot of fun filled activities.

A total of 117 participants, predominantly from India with 116 attendees and one participant from Taiwan, actively engaged in the comprehensive workshop. The workshop covered a range of topical subjects, including in-depth discussions on 'Research Metrics and Predatory Indexing'.

International Workshop on Research Ethics for Scholars and Librarians
 18th November, 2023
 KPR Institute of Engineering and Technology, India
 In association with International Research Journal of Crossref, USA

Organizing Committee:
 Dr. R. Ramesh, KPR Institute of Engineering and Technology, India
 Dr. R. Santhi, KPR Institute of Engineering and Technology, India
 Dr. S. Sowmiya, KPR Institute of Engineering and Technology, India

Advisory Committee:
 Dr. M. Prakash, APISJG / Maths
 Dr. M. Raja, APISJG / Maths
 Dr. M. Subramanian, AP (Sr.G) / Maths
 Ms. S. Smriti, I CBSB
 Ms. M. Seetha, I CBSB

Registration Details:
 Date: 18th November, 2023
 Time: 11:30 AM - 5:00 PM (IST) (GMT - 5:30 AM (GMT))

Topic: Research Ethics for Scholars and Librarians

To commemorate the Birth Anniversary of Srinivasa Ramanujan, the Department of Mathematics hosted the 'National Mathematics Week' from December 18th to 23rd, 2023, with the inaugural event scheduled at Thanam Hall on December 18th. The session featured an expert lecture on the 'Life, Work, and Legacy of Srinivasa Ramanujan.'

KPR MATH ART GALA 23'
 Organized by Department of Mathematics
 On Celebrating National Mathematics Week

Themes:
 • Artistic Explorations of Mathematical Beauty
 • Visualizing Dynamic Applications

December 20, 2023
 10:00 AM
 S & H Block
 KPRIET

Note: Participants should bring their own stationeries for Drawing.

Faculty Coordinators:
 Dr. M. Prakash, APISJG / Maths
 Dr. M. Raja, APISJG / Maths
 Dr. M. Subramanian, AP (Sr.G) / Maths

Student Coordinators:
 Ms. S. Smriti / CBSB
 Ms. M. Seetha / CBSB

Registration Link: <https://forms.gle/EFQeywZhxmu862qj9>

Dr. R. Ramesh, a Professor from the Department of Mathematics at Sri Krishna College of Engineering and Technology was the chief guest. On the second day, a film show on Ramanujan's Life took place at Ragam Hall on December 19th, 2023. The third day featured a drawing competition centered around Ramanujan's Life and his innovations. The fourth day included a presentation by students on any innovation or new ideas in mathematics. The fifth day showcased a Quiz competition on Ramanujan's Life and works. On the last day, a workshop on Vedic Mathematics was held at Veena Hall, featuring Dr. R. Santhi, Associate Professor, and Dr. S. Sowmiya, Assistant Professor, from the Department of Mathematics at Sri Ramakrishna Engineering College as resource persons.

The Five-Day Online Faculty Development Program is a transformative initiative aimed at empowering educators with modern teaching methodologies and technological tools. This comprehensive program delved into effective online instruction, strategies for teaching in the digital age, and the integration of AI-powered assistants.

Emphasis was placed on honing communication skills to prepare participants for success in the digital landscape. Meticulously designed, the FDP offered a dynamic learning environment, fostering enhanced teaching capabilities and expertise in leveraging technology.

KPR Institute of Engineering and Technology
Learn Beyond | Achieve More, MAAC 'A'
Avinashi Road, Arasur, Coimbatore.

DEPARTMENT OF ENGLISH

A Five-Day Online Faculty Development Programme on Digital Pedagogy Unleashed: Navigating the Future of Education

29.01.2024 - 02.02.2024
02:00 p.m to 03:30 p.m
<https://forms.gle/HFCPeafSqov4teWf9>

Dr. B. PADMANABAN
AsP / Department of English, Foreign Languages,
Bharathiar University, Coimbatore
Digital Pedagogy: Transforming Teaching
Methods for Online Effectiveness
29.01.2024

Dr. V. RAJASEKARAN
AsP / English & Director, Students Welfare,
Vellore Institute of Technology, Chennai
Tech-Driven Learning: Excelling with Latest
Tools for Engaged Education
30.01.2024

Mr. K. NIRANJANA
QA Lead / EXPLED, Brussels,
Belgium
Education-Industry Bridge: Aligning for
Future-Ready Workforce Skills
31.01.2024

Dr. YASMIN CHAUDHURI
Head / English, Shahid Matangini Hazra
Government General Degree College for Women,
Purba Medinipur, West Bengal
Digital Communication Mastery: Language
Proficiency for Future Professionals
01.02.2024

Dr. CHUMKI BISWAS
AsP / English, Thadomal Shahani Engineering College
University of Mumbai
AI in Education: Strategically Deploying
Assistants for Advanced Learning
02.02.2024

Registration Fee
Faculty Members: Rs. 250
Research Scholars: Rs. 150

CONVENOR: Dr. T. JAYASUDHA
CO-ORDINATOR: Dr. P. SATHESHKUMAR
CONTACT DETAILS: 984320448
984320302

V. Notable achievements of the students:

First IT students 'Vaishnavi J S and Raja Rajeshwari A have won 2nd Place in Rangoli Competition in EconQuest 2k23' organized by PSG College of Arts and Science, Coimbatore on 16.10.2023



Sanjay B of I AIML participated in Anna university Zonal level and got Runner up in Handball team, held in KIT, Coimbatore



Students of I Chemical bagged the second place in Mime and won a cash prize of Rs.750 at Sri Sakhi Engineering College of Arts and Science



Kavya and Jayavarsha Kannika won 1st place in Anna University Zone IX Volleyball match on 15.10.2023



Jithesh of I Mechanical participated and scored 3 points out of 6 in Coimbatore district level chess tournament in under 19 category at CMS Vidhya Mandir Matric Higher Secondary School on 16.10.2023



Karthikeyan - I CS B bagged the third place in Kabaddi tournament on 17.10.2023 in Anna University zone - IX



I AD Gokul won first prize in photography at PA Engg college on 18.10.2023

Mr. Roshan of first Mechanical got the best player award in ball badminton in the zonals on 18.10.2023



Kowsik, Vennmughil and Shireka of I Chemical won a cash prize of Rs.1000 in paper presentation on 19.10.2023 and the third prize in ChemQuiz on 20.10.2023, conducted at Pavai Engineering College



Students from first year Mechanical got the first prize in paper presentation in national level techno cultural fest organized by Anna University, Coimbatore on 7.11.2024



Dharshini V of I EEE participated in a Mathematics Talent Exam titled VITMATHFEST 2023 and secured the second place. She was honoured with a cash prize of Rs. 4000.

