



KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY



Science and Humanities Newsletter - June - August 2022



INFINITY

Educate to Empower

Volume 1 Issue 6

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Events Organised

A Webinar on Public Speaking and Presentation Skills

The Department of English has organised a webinar on the topic “Public Speaking and Presentation Skills” on 16.06.2022 through *Google Meet* platform. There were 64 participants students from various departments of the first year participated the programme.

Ms. M.I. Ayesha, Assistant Professor of English, PSGR Krishnammal College for Women, Coimbatore was invited as the resource person for the programme.

She deliberated the nuances of Public Speaking and presentation skills through her lecture. She also explained the goals of the speech, 20 strategies of Public Speaking and tricks to overcome the stage fear. The session was highly informative and interactive where the learners acquired practical knowledge about the topic.



The poster is for a webinar organized by the Department of English at KPR Institute of Engineering and Technology. It features a circular portrait of Ms. M.I. Ayesha. The text includes the department name, the webinar title, the resource person's name and title, a Google Meet link, the date and time (16th June 2022, 11:45am-12:45pm), the venue (I CSE C), and the names of the convener and coordinator.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC 'A')
Avinashi Road, Arasur, Coimbatore.

DEPARTMENT OF ENGLISH
ORGANISES A WEBINAR ON

PUBLIC SPEAKING AND PRESENTATION SKILLS

With
Ms. M.I. Ayesha
Assistant Professor of English,
PSGR Krishnammal College for Women, Coimbatore

Google meet link
<https://meet.google.com/cou-htja-cdm>

Date: 16th June 2022 Time: 11.45am-12.45pm Venue: I CSE C

Convener: Dr.M.Mema, ASP & HoD/English
Coordinator: Ms.R.Vidhya, AP (S.G)/English

A Webinar on “Triboelectric Nanogenerator: From Design to Applications”

The Department of Chemistry has organized a webinar titled

“Triboelectric Nanogenerator: From Design to Applications” on 08.07.2022 through *GoogleMeet* platform. The resource person of the event was

Dr. B. Saravanakumar, Jr. Scientist, SARP-Laboratory for Advanced Research in Polymeric Materials, Central Institute of Petrochemicals Engineering and Technology (CIPET), Bhubaneswar.



The poster is for a webinar organized by the Department of Chemistry at KPR Institute of Engineering and Technology. It features a portrait of Dr. B. Saravanakumar. The text includes the department name, the webinar title, the resource person's name and title, the SARP-Laboratory for Advanced Research in Polymeric Materials (LARPM) affiliation, the Central Institute of Petrochemicals Engineering and Technology (CIPET) affiliation, the date and time (08.07.2022, 02:30 PM), and social media links.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC 'A')
Avinashi Road, Arasur, Coimbatore.

Department of Chemistry
Organises

Webinar -I
(Academic)

Triboelectric Nanogenerator: From Design to Applications

Resource Person
Dr. B. Saravanakumar
Jr. Scientist
SARP-Laboratory for Advanced Research in Polymeric Materials (LARPM),
Central Institute of Petrochemicals Engineering and Technology (CIPET),
Bhubaneswar.

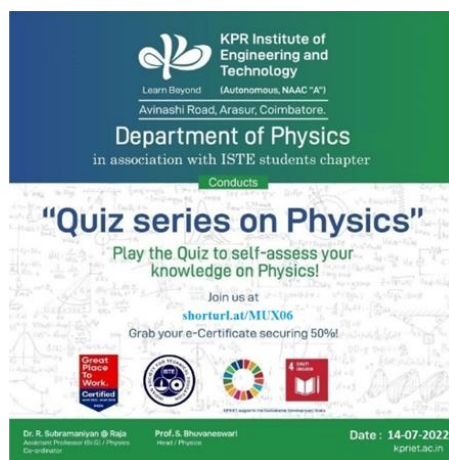
Date : 08.07.2022
Time : 02.30 PM

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Certified
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Engineering and Technology (CIPET), Bhubaneswar. The resource person has focused on the Triboelectric Nanogenerator, its design and various applications. The webinar was conducted with 63 members of faculty, research scholars and students of various institutions in and around Coimbatore.

Quiz Series in Physics

The Department of Physics has organised a quiz series titled “Quiz Series on Physics on 14.07.2022. This quiz was targeted to attract the school, college students and faculties who are interested in physics. This quiz series comprises of 25 multiple choice questions from various branches of Physics such as Nuclear Physics, Energy Physics, Electromagnetic Waves, Solar and Space Physics. There were 1266 participants in total and certificates were issued for the participants who scored more than 50%. Dr. R. Subramaniyan @ Raja coordinated the event.



Techie Boot Camp for +2 Passed Out Students

Department of Science and Humanities has organised a 12 - day Techie

Boot camp titled “Pragya” for the +2 passed students from 27.07.2022 to 10.08.2022. The camp was organised with the motive of enlightening the students with the opportunities they get using the exposure they acquire in the campus. Day 1 of the camp was started with the session titled “Life at KPRIET” which was followed with the campus tour where the students are exposed to the facilities available at KPRIET. Day 2 of the session was carried by Mr.



Babu Rangarajan, Consultant Clinical Psychologist who deliberated his lecture on the title “ChuEx” which is then followed by the session on “Bosch and Ekki” by Mr. N. Udhayakumar, Assistant Professor (Sr. G.), Department of Mechanical Engineering & Team and Ms. B. Lalitha Assistant Professor (Sr. G.), Department of Electrical and Electronics Engineering & Team. They elucidated the collaboration of Bosch and Ekki companies with KPRIET.

Day 3 of the camp was on “Goal Setting” where the students were given guidance for proper goal setting to have a better future which was followed by the session titled “ICT Tools” in which the usage of various ICT tools inside the classroom was deliberated by Mr. E. Joel. Assistant Professor, Department of Mechanical Engineering. The students were taken for an excursion to Palamalai and Isha Yoga during the day 4 of the camp. It provided the opportunity for the students to mingle with their fellow friends in the camp.

Day 6 of the camp was on “CHuEx and Social Media” handled by Ms. Roja Ramani, Clinical Psycholoist which is followed by the session “MAAC and ARC” by Mr. Dhandabani and Dr, Arivazhagan who unleashed the advanced courses available in the academy. Day 7 of the camp was on the title “Project to Product – CIIED” handled by Dr. R. Kiruba Shankar, Professor and Head, Department of Mechatronics who concentrated on the importance of a product making in the world market and deliberated the ways to convert one’s project into product.

Day 8 of the camp was on the title “Innovation to Invention – CIIED” by Dr. K. Ravikumar, Professor, Department of Mechanical Engineering who gave the insights on innovation and invention. The students were then taken to the Coimbatore Book Festival to make them understand the importance of book reading and provide the opportunity to collect valuable resources in the form of books. Day 9 of the camp was on the title “UNNSDG” by Mr. E. Joel, Assistant

Professor, Department of Mechanical Engineering and Mr. S. Vasanthaseelan, Head, OIR who elaborated on the Sustainable Development Goals which is followed by the session titled “Fun Experiments in Chemistry and Engineering Opportunities” by Dr. R. Saravanan, Associate Professor, Department of Chemistry and Ms. R. Divya, Assistant Professor, Department of Electrical and Electronics Engineering who gave exuberant experience in the scientific experiments.



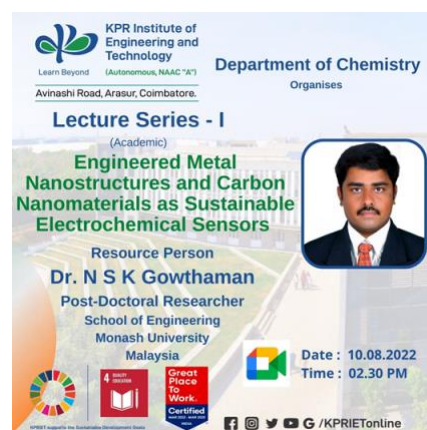
Day 10 of the camp was on the title “Design Thinking” by Dr. T. Jayasudha, Assistant Professor (Sl.G.), Department of English, and Mr. E. Joel, Assistant Professor, Department of Mechanical Engineering elucidated on the futuristic topic of design thinking. The session was followed by the session titled “Engineering is Fun” by Dr. N. Yuvaraj, Professor & Head, Department of Computer Science and Engineering and Dr. S. Balasubramaniam, Professor & Head, Department of Chemical Engineering who through their session gave importance on edutainment and showcased a new perspective on approaching engineering subjects with fun.

Day 11 of the camp was carried over by Mr. P. Ravikumar, Assistant Professor (Sr. G), Department of Electrical and Electronics Engineering and Mr. S. Vasanthaseelan, Head, OIR. They concentrated on Student Affairs and Office

of International Relations which is followed by the session titled “Skill based Math Learning” by Ms. M. Narmatha, Assistant Professor, Department of Maths who insisted on the skill based learning in Maths. Day 12 of the camp was started with the session titled “Resume Writing” by Ms. S. Brindha, Assistant Professor (Sr. G), Department of English who has enunciated about the nuances of resume writing that will help the budding engineers to get placements in global companies. The 12- day Techie Boot Camp was ended with session including feedback, testimonials, group photo, and gifts for performers.

A Webinar on Engineered Metal Nanostructures and Carbon Nanomaterials as Sustainable sensors

The Department of Chemistry has organized a webinar titled “Engineered Metal Nanostructures and Carbon Nanomaterials as Sustainable Electrochemical Sensors” on 08.07.2022 through *GoogleMeet*. The resource person of the event was Dr. N.S.K. Gowthaman, Postdoctoral Researcher, School of Engineering, Monash University, Malaysia. He focused on the Engineered Metal Nanostructures and Carbon Nanomaterials as Sustainable Electrochemical Sensors in his lecture.




The webinar was conducted with 63 members of faculty, research scholars and students of various institutions in and around Coimbatore.

A Webinar Language Teaching through ICT Tools

The Department of English in association with CFTIE organised a

webinar titled, Language Teaching through ICT Tools on 30.08.2022. The resource of the webinar, Dr. Sudhakar Rao, Associate Professor of English, Balaji Institute of Technology & Science, Telangana, deliberated on the various tools that could be used by the Language teachers. A few of the tools recommended were wordhippo, kahoot, padlet, etc. The resource person also highlighted content writing activities in

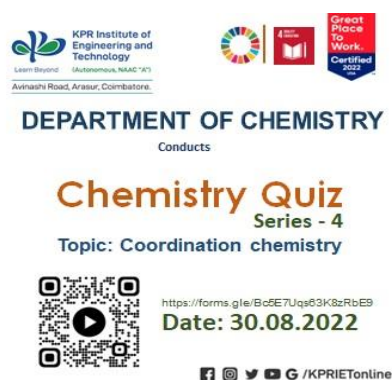
social media to enhance the writing skills of the students. The webinar created a lot of insights on effective teaching methodologies using ICT tools. Around 60 Professors from various institutions participated in the webinar.



The poster features logos for KPR Institute of Engineering and Technology, CFTIE, and Great Place To Work Certified. The text reads: "Department of English in association with CFTIE organises a webinar on Language Teaching through ICT Tools". It includes a photo of Dr. V. Sudhakar Rao, identified as the Resource Person, Associate Professor of English at Balaji Institute of Technology & Science. A registration link is provided: [HTTPS://FORMS.GLE/CLQ56AKvDdPBN668](https://forms.gle/CLQ56AKvDdPBN668). Coordinators are listed as Ms. Brindha S & Dr. Jayasudha T (AP(Sr.G) & AP(SI.G)). The platform is Google Meet, dated 30.08.2022 (Tuesday) from 11:00 am to 12:00 pm.

Chemistry Quiz – Series 4

The Department of Chemistry has organised a Quiz series on the topic “Coordination Chemistry” for 12th standard students of Tamilnadu on 30.08.2022. Students who have scored more than 70 marks in every quiz received an e-certificate and first three toppers were given prizes after consolidation of the results.



The poster includes logos for KPR Institute of Engineering and Technology, CFTIE, and Great Place To Work Certified. It states: "DEPARTMENT OF CHEMISTRY Conducts Chemistry Quiz Series - 4 Topic: Coordination chemistry". A QR code is provided for registration, with the link <https://forms.gle/Bc5E7Uqs63K8zRbES> and the date "Date: 30.08.2022". Social media icons for Facebook, Instagram, YouTube, and Telegram are shown, along with the handle "/KPRIETonline".

Faculty Publications

Dr. E. Ranjith Kumar, Associate Professor, Department of Physics, has published a paper titled “Evaluation of Microstructural, Optical, Vibrational Properties and Photocatalytic Activity of CdO Nanostructure” in the international journal named *Ceramics International* in June 2022.

Dr. E. Ranjith Kumar, Associate Professor, Department of Physics, has published a paper titled “Microwave Absorption Properties of Rare Earth (RE) ions Doped Mn–Ni–Zn nanoferrites (RE= Dy, Sm, Ce, Er) to Shield Electromagnetic Interference (EMI) in X-band frequency” in the international journal named *Ceramics International* in June 2022.

Dr. T. Jayasudha, Assistant Professor (Sl.G.), Department of English, has published a paper titled “The Significance of Format in English Vocabulary Test Performance: A Study on the EFL Learners of Government versus Private Schools in India” in the Scopus indexed journal named *Annals of the Romanian Society for Cell Biology* in June 2022.

Dr. E. Ranjith Kumar, Associate Professor, Department of Physics, has published a paper titled “Investigation of Structural, Mechanical and Magnetic Characterization of Electroplated W Deposited NiMo Thin Films” in the Springer journal named *Journal of Materials Science: Materials in Electronics* in July 2022.

Dr. E. Ranjith Kumar, Associate Professor, Department of Physics, has published a paper titled “Structural and Optical Properties of salicyl-N-methyl-4-stilbazolium tosylate: Thermal, DFT, MEP and Hirshfeld Surface Analysis” in the Scopus indexed journal Scopus indexed journal named *Journal of Molecular Structure) in Electronics* in August 2022.

Dr. K. Prabakaran, Assistant Professor (Sl.G), Department of Physics, has published a paper titled “Metal oxide based nanocomposites for solar energy harvesting” Applications of Nanomaterials in Energy Storage and Electronics” in the book published by Bentham Science publisher private limited, Singapore in August 2022.

Dr. M. Hema, Associate Professor and Head, Department of English, has published a paper titled “Today’s condition of Old Age People in Indian Setup” in the Scopus indexed journal named *International Journal of Health Sciences* in August 2022.

Dr. M. Saravanabhavan, Assistant Professor (Sl.G), Department of Chemistry, has published as paper titled “Synthesis, Spectral Characterization, Crystal Structure and Computational Investigation of 2-formyl-6-methoxy-3-carbethoxy quinoline as Potential SARS-CoV Inhibitor” in the Scimago journal named *Journal of Physics and Chemistry of Solids* in 2022.

Dr. M. Saravanabhavan, Assistant Professor (Sl.G), Department of Chemistry, has published as paper titled “Pharmacological and Quantum Chemical Studies of 2-aminobenzo[d]thiazol-3-ium 4-chlorobenzenesulphonate: Synthesis, Spectral, Thermal Analysis and Structural Elucidation” in the Scimago journal named *Results in Chemistry* in 2022.

Faculty Achievements

Ms. R. Jagadeeshwari, Assistant Professor, Department of Chemistry, has received an award of appreciation for completing her ten years of Service in KPRIET.



Achievements of the Students



First year students of KPRIET have visited Codissia Trade Fair Complex for “Intec 2022” for acquiring knowledge about the updated

technologies in their respective fields.

Mr. K. Samar of I AD and **Mr. P. M. Praveen Samuel** of I CSE has completed their internship programme for about a month regarding VLAB



design and development at NIT, Surathkal through PALS association.



Our first year hostel girls visited Black Thunder as part of rejuvenation activity on 12.06.2022

Ms. Tanuja S. of I CSE C has won the 1st prize for Poem in the National Integration camp at Odisha on 11.06.2022



Ms. Kavin Dharshini S. of I CE A took part in GLOBAL WORLD RECORDS for Martial Arts on 13.06.2022 at Bangalore University. She has successfully done Nanchuk Techniques continuously for 25 minutes and accomplished her WORLD RECORD.