

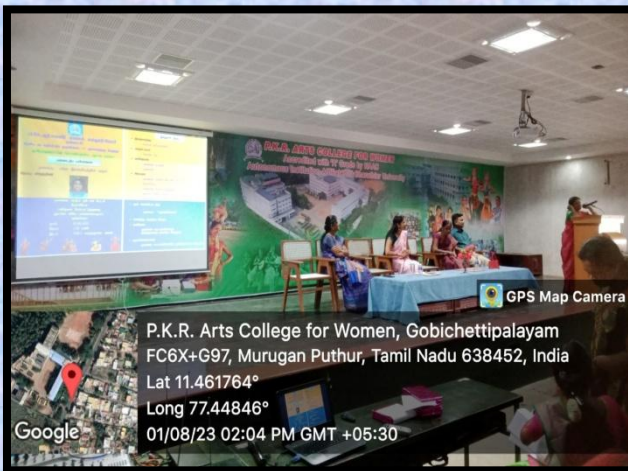
DEPARTMENT OF MATHEMATICS
NEWS LETTER
ODD SEMESTER
2023-2024

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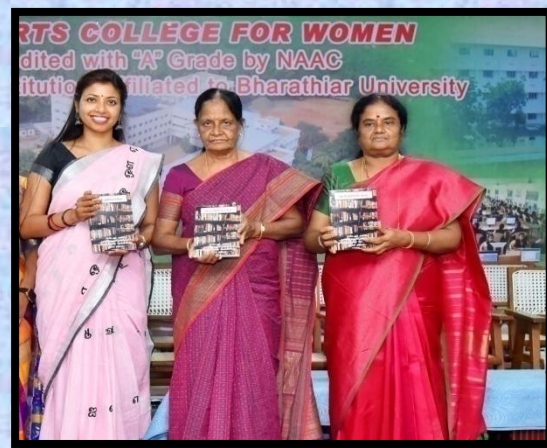
The Science Department of P.K.R. Arts College for Women, Gobichettipalayam organized **The Science Association Inauguration** on 28th July 2023, at MBA Seminar Hall. The highlight of the event was the presence of Anitcham Kanimozhi, CEO of Anicham Store and MD of Anicham Angadi, Erode. She delivered an insightful and inspiring address. She shared her experiences and the importance of leadership qualities that were needed for young minds. Her words left a profound impact on the audience and motivated the aspiring young learners present at the event. Around 45 students and 30 faculty members were benefitted through this session.



The Department of Mathematics organized the **International Seminar On Decoding The Relevance Of Effect Sizes:An Extensive Investigation** on 1st August 2023. Dr.Parthiba Natesan Batley, Professor, Department of Counseling and Human Development College of Education, University of Louisville, United States, was the Resource Person. She explained the various effect size metrics used in different fields, such as mean, median and mode. She also explained about the different effect size measures and discuss their relative merits in various scenarios. Discussed how effect sizes were used in meta-analyses and systematic reviews. She suggested to identify the research gap in current research on effect sizes and suggest areas where further investigation is needed. Around 50 students and 14 Faculty members were benefitted through this session.



The Department of Mathematics organized the **Professional Development Programme on Interface Discussion in Machine Learning** on 1st August 2023. Dr.Parthiba Natesan Batley, Professor, Department of Counseling and Human Development College of Education, University of Louisville, United States was the Resource Person. She explained clear and intuitive interfaces can accelerate the development and deployment of machine learning models. Around 35 Faculty members were benefited through this session.

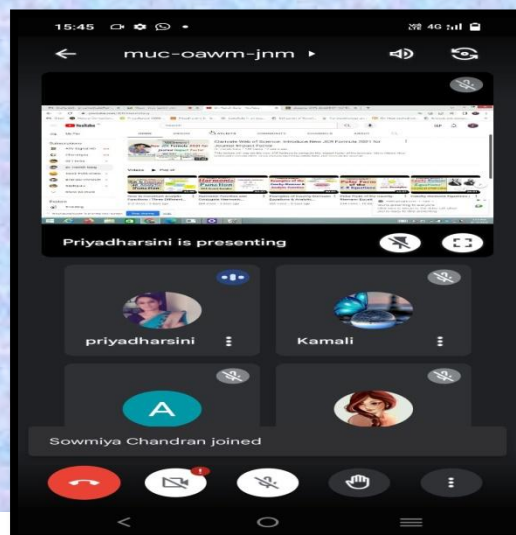


A Capacity Building Programme on **“Statistical Modeling and Computational Intelligence”**, was organized by Department of Mathematics, on 14th August 2023 through Google meet. We had the distinct honour of hosting Dr. C. Vijayalakshmi, an Associate Professor in Statistics and Applied Mathematics at Central University of Tamil Nadu, Thiruvarur, was the Resource Person. Her expertise and profound insights into the realm of statistics and Computational Intelligence added immense value to the event. She

emphasized the crucial role of statistical models and computational tools in solving complex problems and driving innovation. Her words resonated with both students and faculty members, setting an inspiring tone for the programme ahead. Around 45 students and 14 Faculty members were benefited through this session.



The Professional Development Programme, was organized by Department of Mathematics was held on Aug 17, 2023, through Google meet. The highlight of the programme was the presence of the esteemed Resource Person, Dr. S. Priyadharsini, an Assistant Professor in Mathematics , Sri Krishna College of Arts and Science, Coimbatore. Her vast experience and expertise in the field added immense value to the event. She shared valuable insights into effective exam preparation techniques and strategies, drawing from her own academic journey and professional experiences. Her engaging session inspired both students and faculty members, setting a tone of enthusiasm and curiosity for the rest of the programme. Around 43 students and 14 Faculty members were benefited through this session.



The Department of Mathematics organized a highly enlightening guest lecture on “**Ring Theory in Cryptography** “ on 22nd August 2023. Dr.K.K. Mythili, Associate Professor & Head in Department of Mathematics (CA) of Vellalar College for Women(Autonomous),Erode, was the Resource Person. Her lecture covered key topics such as Euclidean rings, Polynomial rings,and their vital role in cryptographic applications. She effectively connected the theoretical underpinnings of ring theory to their real-world significance.She seamlessly merged abstract mathematical concepts with their practical relevance,making the content accessible and engaging to a diverse audience. Around 44 students and 14 Faculty members were benefited through this session.



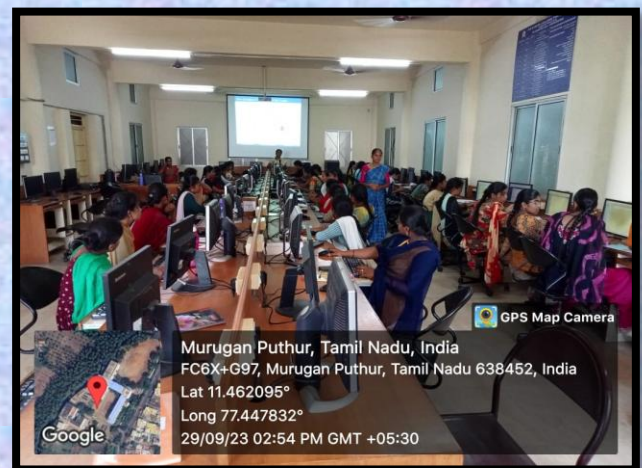
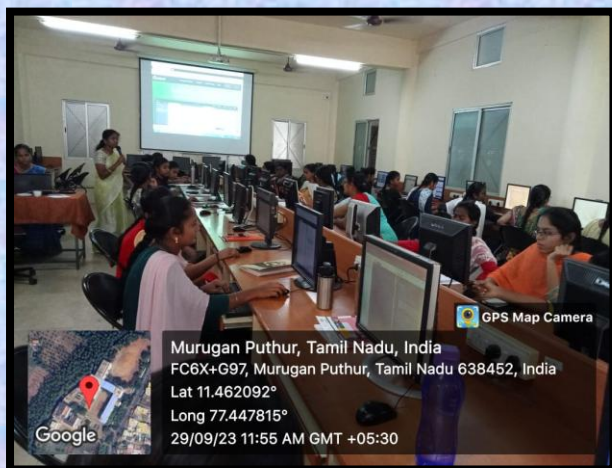
The Department of Mathematics organized a One day Workshop on "**The Role of Mathematics in Artificial Intelligence**" on August 23, 2023. Dr.Suresh Rasappan, Professor, Department of Mathematics, University of Technology and applied Sciences – IBRI, Oman , as the esteemed guest speaker. Dr. R. Suresh's keynote address provided an insightful overview of the key mathematical principles that form the foundation of artificial intelligence. He delved into topics such as linear algebra, calculus, statistics, and discrete mathematics, highlighting their applications in machine learning, neural networks, and data analysis. His expertise and passion for the subject were evident as he seamlessly connected abstract mathematical concepts to their real-world implementations in AI. Around 55 students and 14 Faculty members were benefited through this session.



The Department of Mathematics and Placement Cell of PKR Arts College for Women organized the **Industry Institute Connect Programme on “Interview Preparations and Corporate Expectations”** on 09th September 2023. Mr. Gokul TCM, Founder and Managing Director of E-CAP, HR Professional, Bangalore, was the Resource Person. He shared valuable insights into interview preparations and corporate expectations. Approximately 40 students actively participated by asking questions, seeking clarification, and sharing their concerns. Mr. Gokul's practical advice and real-world experiences resonated well with the audience. This session provided a platform for students to discuss specific challenges and receive personalized advice. The session was interactive and engaging. Around 410 students were benefited through this session.



A One Day Workshop on “Hands On Training In Latex”, was organized by Department of Mathematics was held on 29th September 2023. Dr. S Saranya M.Sc.,B.Ed.,M.Phil.,Ph.D, Assistant Professor, Department of Mathematics, Arulmigu Arthanareeswarar Arts and Science college, Namakkal, was the Resource Person of the day. She introduced the importance of LaTeX in academic and professional document preparation. This session provided attendees with invaluable hands-on experience and allowing them to create documents and format text using LaTeX. She delved into advanced LaTeX formatting techniques. The participants gained insights into the foundation of LaTeX typesetting learned to create tables, incorporate figures, and manage bibliographies effectively. Around 40 students were benefited through this session.



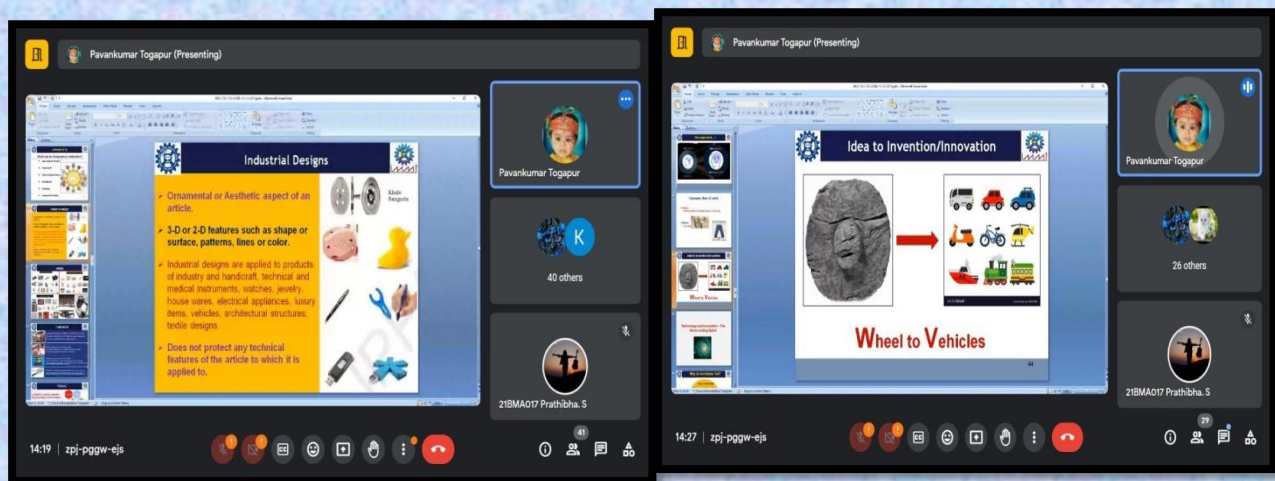
The Department of Mathematics organized the “One Day Soft Skill Training Programme on Enhancing Personality Traits and Cohesion” on 04th October 2023. Dr. S. Shankar,B.E.,M.S(UK),MBA(UK),Ph.D.(UK), Managing Director, Quick Talk Academy ,Erode, was the Resource Person. The training session was interactive, engaging, and highly informative, capturing the attention of all participants. The participants left the programme with newfound knowledge, skills, and motivation, ready to apply their enhanced soft skills in both their personal and professional lives, thereby contributing positively to their communities and workplaces. The event served as a catalyst for personal growth and unity among the participants, creating a lasting impact on their personalities and relationships. Around 55 students were benefited through this session.



The Short Term Training Programme on “Career Counseling and Guidance to Crack Competitive Examinations”, was conducted by Department of mathematics on 9th October 2023 . Mr. Alagupandi, Technical head, Aakkam industrial training and research institute, Coimbatore, was the Resource Person. He delivered a highly engaging and enlightening speech. Drawing from his extensive experience in career counseling and competitive examinations, he shared valuable insights and personal anecdotes. He emphasized the importance of goal setting, time management, and maintaining a positive mindset when preparing for competitive exams. Around 53 students and 13 Faculty members were benefited through this session.



A Webinar on “Innovation Dynamics and IPR- An Academic and Research Perspective”, was conducted by Department of mathematics on 12th October 2023 at 2.00 p.m in Google Meet., Dr. T. Pavan Kumar, Sr. Scientist’CSIR - Institute of Minerals & Materials Technology, Bhubaneswar, Odisha was the Resource Person of the day. He delivered an engaging and informative presentation on the subject of innovation dynamics and IPR. During the presentation, the attendees learned about key concepts related to IPR, including patents, copyrights, trademarks, and trade secrets, and their relevance to academic and research pursuits. He also shared practical insights and real-world examples to illustrate the importance of IPR in protecting intellectual creations. Around 53 students and 13 Faculty members were benefited through this session.



The Professional Development Programme on Mastering the Art of Academic Publishing 16 organized by the Department of Mathematics on 16th November 2023. The Resource person Dr. S.Saravanan, Head, Department of Mathematics, Bharathiar University, Coimbatore, highlighted the current trends and challenges in academic publishing. He shared valuable insights into the importance of research dissemination, the role of quality publications in academic progression and the evolving landscape of scholarly communication. This session provided a comprehensive overview of the current trends, ethical considerations and emerging practices in academic publishing. A panel discussion allowed the participants to engage with experts, addressing queries and gaining further clarity on various aspects of academic publishing. Around 13 Faculty members were benefited through this session.



FC6X+G97, Murugan Puthur, Tamil Nadu 638452, India

Latitude
11.4618717°

Longitude
77.4482081°

Local 02:37:16 PM
GMT 09:07:16 AM

Altitude 218 meters
Thursday, 16.11.2023