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PINNACLES NEWSLETTER



Mount Zion

College Of Engineering & Technology

(Approved by AICTE, Affiliated to Anna University, Chennai & Accredited by NAAC with A+ Grade)

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VISION

To be the preferred choice of students who aspire to become Engineers of the highest calibre.

MISSION

- Provide world-class physical, digital infrastructure and learning environment.
- Develop the competencies of students to make them job-ready and entrepreneurs.
- Facilitate mental, physical, emotional and spiritual development of students and ensure their holistic development.
- Preserve the environment through the implementation of eco-friendly and sustainable practices.
- Serve the community through skill development and other need-based services.
- Establish sustainable partnerships with industries and R&D laboratories for mutual benefit.



ABOUT US

The genesis of Mount Zion College of Engineering and Technology, Pudukkottai, was in 2001. The institution is approved by AICTE and affiliated with Anna University, Chennai. This institution is accredited by the National Assessment and Accreditation Council (NAAC) with an A+ grade. It offers seven undergraduate programs (Civil Engineering, Computer Science & Engineering, Information Technology, Artificial Intelligence and Data Science, Electrical & Electronics Engineering, Electronics & Communication Engineering, and Mechanical Engineering) and two postgraduate programs (Computer Science & Engineering, Communication Systems).



FOUNDER CHAIRMAN

SRI JAYABARATHAN CHELLIAH, M.A. , (U.S.A), B.ED.,



Sri Jayabarathan Chelliah was the Founder-Chairman of Mount Zion Christian Education Trust. Under his able leadership, the first school, which began in 1988, grew into many institutions. He held a Bachelor's Degree in Science from Alagappa University, Karaikudi, Tamil Nadu, and a Bachelor's Degree in Education from Calicut University, Kerala. He graduated with a Master's Degree in Educational Administration from the prestigious Loma Linda University, California, U.S.A., in June 1978. He was also an honored alumnus of Loma Linda University. Additionally, he received the Dr. Radhakrishnan (Nallasiriyar) Award from the Government of Tamil Nadu. The institutions he initiated will continue to strive to reach the lofty ideals he envisioned.

CHAIRPERSON

MRS. FLORENCE JAYABARATHAN, M.A., B.ED.,



Mrs. Florence Jayabarathan is the Chairperson of Mount Zion College of Engineering and Technology. Along with Sri. Jayabarathan Chelliah, she is one of the founders of the Mount Zion Institutions in Pudukkottai District. With over 50 years of dedicated teaching experience, she motivates both teachers and students to perform to their fullest potential.

DIRECTOR

PROF. JAYSON KEERTHY JAYABARATHAN, M.TECH.,PH.D.



Prof. Jayson Keerthy Jayabarathan, who holds a Bachelor's Degree in Computer Science & Engineering, a Master's Degree in Computer Science & Engineering, and a Ph.D. from Anna University, Chennai, along with his team of dedicated and qualified faculty, has been overseeing the college. He brings to the table over 20 years of experience in managing educational institutions. His primary objective is to provide students with the best technical information and the latest technology.

PRINCIPAL

DR. P. BALAMURUGAN M.E.,PH.D.



Dr. P. Balamurugan obtained his Bachelor's Degree in Electrical and Electronics Engineering as well as a Master's degree in Power Electronics and Drives from Bharathidasan University, Tiruchirappalli. He completed his PhD in the Development of Optimal Hybrid Energy Systems for Rural Areas at the National Institute of Technology, Calicut, Kerala. With 22 years of experience in teaching, research, and academic administration, he has authored more than 30 publications in reputable journals and conferences. Under his supervision, four research scholars have successfully completed their Ph.D.

SPOTLIGHTS

NATIONAL LEVEL HACKFEST-23

The outstanding capabilities of two teams from MZCET were prominently showcased when they secured the esteemed position of First Runner Up in the distinguished National Level HACKFEST-23, presented by AXISCADES and Mistral. Their unparalleled talent and innovation have left a lasting impression, bringing profound pride to our institution.



CAMPUS DRIVE

During our college's campus recruitment drive from April to June 2023, a notable achievement was realized. A total of 135 students secured coveted positions across various prestigious companies, highlighting the immense talent and potential within our student body.



SPOTLIGHTS

COLLEGE DAY

The 22nd College Day, held on May 4, 2023, was graced by the distinguished presence of Ms. Rajalakshmi Srinivasan, Director of Product Management at Zoho Corporation Pvt. Ltd., Chennai. Her illustrious career journey and significant contributions to the technology industry served as a wellspring of inspiration for both students and faculty in attendance.

With her remarkable insights, she ignited the spirit of aspiration, urging everyone to relentlessly pursue their dreams and to strive wholeheartedly for excellence within their respective domains.



SPORTS DAY

On May 3, 2023, our institution had the distinct honor of hosting Sports Day, an event further elevated by the esteemed presence of Dr. Rameshkumar Durai Raju. Dr. Raju, a distinguished figure in the realm of sports, has served as an International Basketball Referee under FIBA's aegis and is the venerable founder of the Mamannan Rajaraja Cholan Foundation in Thanjavur. The day's proceedings bore witness to an array of sportsmanship and talent as students from various disciplines demonstrated their expertise in numerous sporting events.



SPOTLIGHTS

INNOVATION DAY

On April 18, 2023, we had a wonderful time celebrating Innovation Day in memory of the founder and chairman of Mount Zion Institutions, also marking his Memorial Day. Several students were honored with a cash prize for their victories in National-level project competitions – a big shoutout to their hard work and skills. Furthermore, our teaching and non-teaching staff received recognition, highlighting the awesome work they do and the significant difference they make to our institution.



TRAINING ON E-SERVICE FOR ALL - INITIATIVE OF STATE GOVERNMENT



On June 30, 2023, a significant event occurred on our campus as e-service center owners from Pudukottai district attended a special training session. The event was organized in collaboration with the Tamil Nadu E-Governance Agency and the ICT Academy. This training is an integral part of the "E-Service for All" project advocated by the Tamil Nadu Government.

TRAINING – RC STRUCTURAL DESIGN SOFTWARE



MEE CADD CAM Training in Karaikudi organized a 5-day RC Structural Design Software Training for final-year B.E. Civil Engineering students from April 17 to April 21, 2023. The training was skillfully led by Mr. S. Suresh, the Director of MEE CADD CAM/CAE, Karaikudi. With its interactive approach and practical exercises, the session provided students with an engaging and enriching learning experience.

WORKSHOP ON PLANNING & DRAWING OF RESIDENTIAL BUILDINGS

On June 27, 2023, a workshop titled “Planning and Drawing of Residential Building” took place, led by Mrs. I. Regina Mary, AP/Civil. The session delved deep into the principles of planning and sketching residential buildings. The seamless integration of theoretical knowledge and practical application allowed participants to understand and effectively use essential concepts. This immersive event deepened participants' comprehension and appreciation of designing functional living environments.



ROLE OF CIVIL ENGINEERS IN THE BUILDING AND LAYOUT APPROVAL PROCESS

Mr. A. Ramakrishnan, AP/Civil, conducted an illuminating seminar on the "Pivotal Role of Civil Engineers in the Building and Layout Approval Process" on June 30, 2023. The seminar focused on the procedures involved in obtaining building and layout approvals from the appropriate regulatory authorities. Civil Engineering students were educated on the necessary documentation, the application process, and the expected timeline for approval. The participants gained valuable insights into the permits and clearances required for the approval process, including environmental licenses, fire safety certificates, and structural stability certificates. The seminar provided a comprehensive understanding of the responsibilities and role of civil engineers in the building and layout approval process.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CAMPUS DRIVE



A total of 50 students from the Department of Computer Science and Engineering secured placements in a variety of prestigious companies during our campus recruitment drive from April to June 2023. It is truly gratifying to witness the remarkable achievements of our students and the acknowledgment they have received from these esteemed organizations.

NATIONAL LEVEL HACKFEST – 23



Senthil Raja B
III CSE



Vanchinathan P
III CSE



Saravanan M
III CSE

Senthil Raja B, Vanchinathan P, and Saravanan M, third-year Computer Science Engineering students, secured the second prize and a cash award of Rs.75,000 at the National Level HACKFEST-23 hosted by Bangalore Institute of Technology. Their accomplishment at HACKFEST-23, where they competed against the brightest minds across the nation, highlights their dedication and innovative abilities.

WORKSHOP ON VISUAL STUDIO.NET



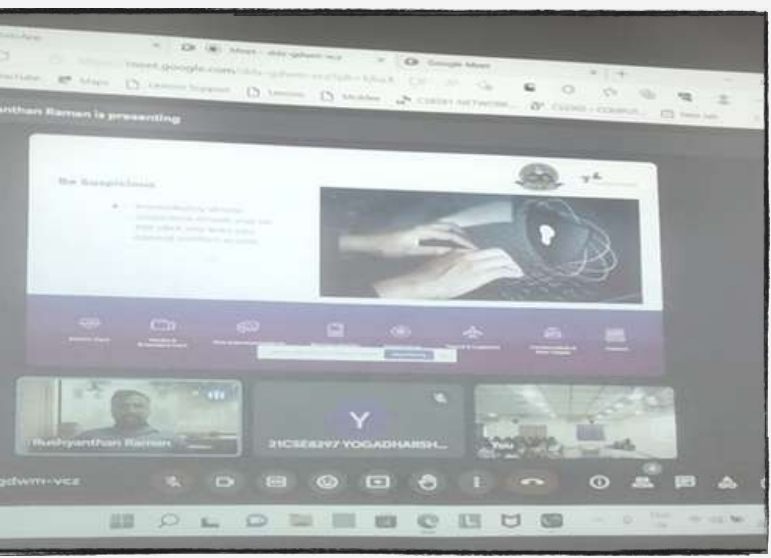
A workshop on "Visual Studio.NET" was conducted on April 05, 2023, greatly benefiting our second-year CSE students. The session, guided by Mrs. Rama Devi, AP/CSE, emphasized the practical components of Visual Basic programming.

WEBINAR ON MACHINE LEARNING

The "Machine Learning" webinar, held on April 24, 2023, was conducted for CSE students. Mrs. Subathra, Technical Lead at Widzeo Private Limited, Dharmapuri, provided insights into the importance and applications of Machine Learning. The session covered supervised, unsupervised, and reinforcement learning, as well as various tools and technologies. This interactive webinar enriched the attendees with practical knowledge, promising a lasting impact on their academic and professional pursuits.



ALUMNI MENTORSHIP PROGRAM ON CYBER SECURITY



A webinar titled “Cybersecurity” was conducted on May 2, 2023. The session was led by our distinguished alumnus, Mr. R. Rushyathan Raman (Class of 2020), currently serving as Manager-Cloud Services at Terralogic Inc, Bangalore. The event was a resounding success, equipping participants with essential skills to address the growing challenges of cybersecurity risks.

WORKSHOP ON NODE MCU

On May 8 and 9, 2023, a two-day workshop on "NODE MCU" was held for third-year CSE students. The workshop provided insights into NODE MCU basics, Arduino IDE, LED, sensor, and servo motor interfacing.

Furthermore, students gained hands-on experience in creating projects using NODE MCU and integrating them with Firebase for enhanced functionality.



WEBINAR ON INTRODUCTION TO MACHINE LEARNING



A webinar on “Introduction to Machine Learning” was conducted on June 20, 2023. The esteemed resource person, Dr. Nirmalrani, Associate Professor in CSE at Sathyabama University, Chennai, delivered an insightful presentation. Her comprehensive speech delved into the applications and history of Machine Learning, providing attendees with valuable insights into this evolving field.

24 HOURS WORKSHOP ON PYTHON GUI PROGRAMMING WITH TKINTER

A 24-hour workshop on “Python GUI Programming with Tkinter” was conducted on June 28, 2023. The workshop aimed to provide the students with practical experience in GUI programming using Python's Tkinter library. Through hands-on exercises and demonstration, students actively engaged in writing programs with GUI in Python which reinforced the concepts they had already learned.



CAMPUS DRIVE



From April to June 2023, our college celebrated a significant milestone as 21 students from the Department of Electronics and Communication Engineering secured placements in various companies through our campus recruitment drive. This achievement speaks volumes about our students' commitment and potential for forging a bright future.

NATIONAL LEVEL HACKFEST – 23



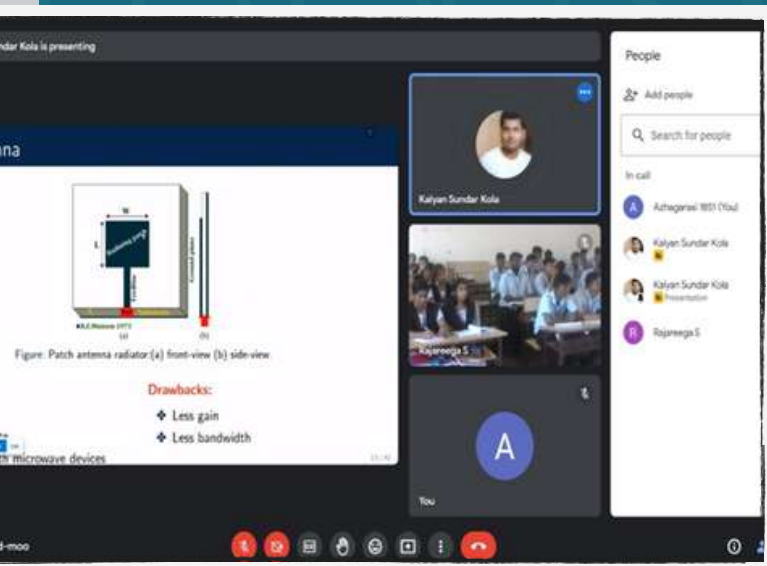
Vijayan S
III ECE



Vikram R
III ECE

"Vijayan S and Vikram M, third year of Electronics and Communication Engineering, secured the second prize and a cash award of Rs.75,000 at HACKFEST-23, a National Level event organized by Bangalore Institute of Technology.

WEBINAR ON PRINTED ANTENNA FOR MODERN WIRELESS APPLICATIONS



On April 05, 2023, a webinar titled "Printed Antenna for Modern Wireless Applications" took place. We were honored to have Dr. Kalyan Sunder Kola, Senior AP/ECE from GMR Institute of Technology in Andhra Pradesh, as our speaker. He delved into the demands of modern wireless applications and highlighted the importance of printed antennas.

ALUMNI MENTORSHIP PROGRAMME ON FUTURE OF CLOUD COMPUTING

On April 24, 2023, we hosted an Alumni Mentorship Programme focused on the "Future of Cloud Computing". Mr. C. Kamal Sekhar, a distinguished alumnus from the 2007 ECE batch and currently a Cloud Solutions Architect at Sopra Steria in Chennai, provided valuable insights. The event offered students a chance to gain real-world industry exposure, establish meaningful connections, and boost their confidence in pursuing careers in cloud computing.



WEBINAR ON MICROSTRIP PATCH ANTENNA WIRELESS APPLICATIONS



A webinar on “Microstrip Patch Antenna for Wireless Applications” was successfully conducted on June 15, 2023. Dr. K. Malaisamy, Assistant Professor in the Department of Electronics and Communication Engineering at Saranathan College of Engineering, Tiruchirappalli, served as the resource person. The guest speaker delivered an enlightening presentation on the numerous opportunities available in the field of antennas for wireless applications.

ONE-DAY WORKSHOP ON DESIGN OF ELECTRONIC CIRCUITS AND PCB USING PROTEUS

A one-day workshop on “Design of Electronic Circuits and PCB Using Proteus” was successfully held on June 30, 2023. Led by Mr. R. Arunkumar, AP/ECE, and Mr. C. Palaniappan, AP/ECE, the event offered invaluable insights into the methodology of electronic circuit design. Attendees, including prospective workshop coordinators, gained in-depth knowledge about electronic circuits, circuit simulation, and creating electronic circuits and PCBs using the Proteus simulator.



CAMPUS DRIVE



"During the period of April to June 2023, we celebrated a significant milestone when 19 students from the Department of Electrical and Electronics Engineering successfully secured prestigious placements in various companies through our college campus drive. This accomplishment eloquently showcases the outstanding capabilities and potential of our students.

WORKSHOP ON FUZZY LOGIC AND ITS APPLICATIONS

On April 03, 2023, our second-year EEE students had the privilege of attending a workshop on "Fuzzy Logic and Its Applications to Electrical Engineering." The session was expertly led by Dr. K. Pandiarajan, a Professor in the ECE department. Throughout the workshop, participants were treated to a deep dive into the basics of Fuzzy Logic, controllers, MATLAB-based tipping scenarios, and its myriad applications within Electrical Engineering.



VALUE-ADDED COURSE ON PLC PROGRAMMING AND AUTOMATION



A Value Added Course on “PLC Programming and Automation” was conducted on April 3, 5, and 11, 2023. Dr. R. Muthukumar, AP/EEE, and Dr. K. Pandiarajan, Professor/ECE, covered diverse topics, including electrical machine control, circuit components, static control simulation, PLC programming, and real-time execution."

POWER SEMINAR ON ELECTRIC VEHICLE TECHNOLOGY AND APPLICATIONS OF IoT IN ELECTRIC VEHICLES

A Power Seminar on “Electric Vehicle Technology and Applications of the Internet of Things in Electric Vehicles” was successfully conducted on April 24, 2023. Students gained insights into the latest Electric Vehicle technology trends and were updated on the cutting-edge applications of the Internet of Things (IoT) in EVs.



ALUMNI MENTORSHIP PROGRAMME ON FUTURE OF ELECTRICAL ENGINEERS



On May 31, 2023, we successfully hosted a webinar titled 'Future of Electrical Engineers.' Our distinguished alumna, Ms. Jothi Lakshmi, a Quality Engineer at Collins Aerospace Company in Bangalore, led the session. Through her presentation, budding electrical engineers gained valuable insights into the vast career opportunities available in the field.

WEBINAR ON RECENT TRENDS IN ENGINEERING

A webinar on "Recent Trends in Engineering" was held on June 09, 2023. Dr. B. Gopi, Professor and Dean, of Faculty of Engineering at Muthayammal Engineering College, served as the resource person. The students enthusiastically engaged with the speaker, and the session provided valuable insights into contemporary engineering trends.



WORKSHOP ON EXPERIMENTAL PHYSICS



On June 27, 2023, we conducted an Experimental Physics Seminar, specifically tailored for first-year students, to deepen their understanding of the fundamental principles and applications of experimental physics. The event was expertly led by Dr. N. Sarala and Dr. A. Amali Roselin, both Assistant Professors in Physics. During the seminar, they delved into various experimental techniques and underscored their pivotal role in scientific research.

24-HOUR WORKSHOP ON DESIGN OF ELECTRICAL AND ELECTRONICS CIRCUITS USING CIRCUIT WIZARD

On June 28, 2023, we conducted a comprehensive 24-hour workshop centered on 'Designing Electrical and Electronic Circuits using Circuit Wizard'. The session not only provided attendees with theoretical introductions and installation procedures but also hands-on simulations and real-life hardware implementation. Participants benefitted immensely, acquiring hands-on experience in developing electrical and electronic devices, truly bringing engineering concepts to life.



DEPARTMENT OF MECHANICAL ENGINEERING

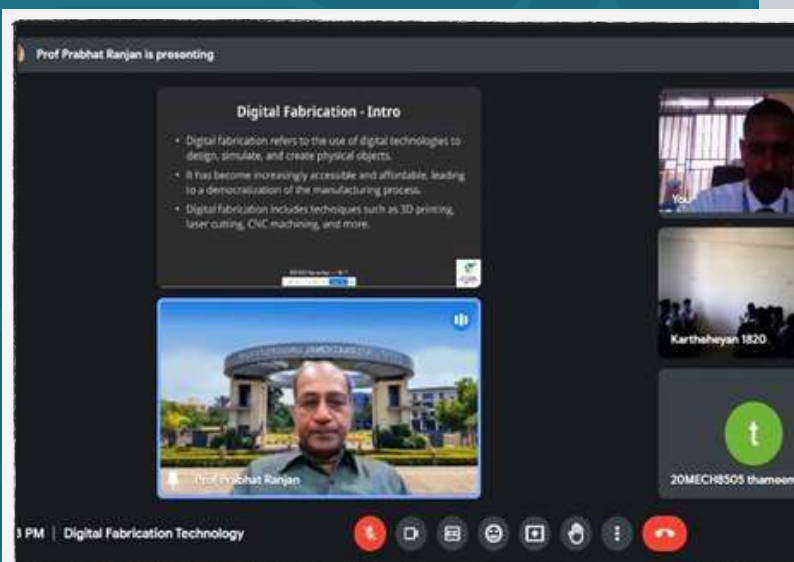
CAMPUS DRIVE



During the period of April to June 2023, a total of 19 students from the Department of Mechanical Engineering successfully secured placements in a variety of esteemed companies, all thanks to our college's comprehensive campus drive.

WEBINAR ON DIGITAL FABRICATION FOR THE DISABLED AND IN THE HEALTHCARE SECTOR

On April 17, 2023, we hosted a webinar titled "Digital Fabrication for the Disabled and in the Healthcare Sector." Prof. Prabhat Ranjan, Chairman of NSC at the AICTE Idea Lab and Vice Chancellor of D.Y. Patil International University in Pune, took the stage to enlighten our budding Mechanical Engineering students. He emphasized the importance of 3D Printing and Laser technology, underscoring their pivotal roles in healthcare, especially for individuals with disabilities.



DEPARTMENT OF MECHANICAL ENGINEERING

WEBINAR ON ROLE OF MECHANICAL ENGINEERS IN MINES

On April 26, 2023, we organized a webinar on the above title. The session was graced by the esteemed Mr. M. Arumugam, the Director of Mines Safety (Mech) from the Directorate General of Mine Safety, Ministry of Labour & Employment, Government of India, based in Hyderabad. Throughout the webinar, he shared invaluable insights about the mining sector, spanning topics from ore extraction and heavy machinery usage to vital safety protocols. Furthermore, he highlighted the various employment opportunities available in the mining industry.



WEBINAR ON RECENT TRENDS IN ADDITIVE MANUFACTURING

On June 28, 2023, we hosted a webinar on "Recent Trends in Additive Manufacturing" conducted for first-year Mechanical Engineering students. The session was an enlightening journey, offering students a deep dive into the latest developments in Additive Manufacturing and inspiring them to critically analyze these emerging trends.



CAMPUS DRIVE

Our institution has witnessed a series of successful campus recruitment drives by esteemed organizations. On April 17, 2023, Lumina Datamatics conducted a recruitment drive, attracting 86 students from various departments. Impressively, 10 candidates secured positions with the company. Subsequently, on April 20, 2023, Amphenol conducted a drive, recruiting 31 students from our ECE and EEE departments, significantly boosting their morale and offering attractive packages. Vingsfire held a campus drive on April 19, 2023, with two students selected from the enthusiastic pool of 35 participants from the ECE and EEE departments. Another significant achievement was marked on April 21, 2023, during the campus drive by Delphi-TVS Technology Pvt. Ltd., where all 19 participating students were selected, showcasing the appreciation for the top-tier talent nurtured at our college. Furthermore, Maintec Technologies Pvt. Ltd. conducted a successful drive on May 11, 2023, with 15 students out of 34 participants securing positions. Additionally, on the same date, Hexaware Pvt. Ltd. conducted a rigorous selection process, resulting in 25 students being chosen to join their esteemed organization. These accomplishments highlight our institution's commitment to nurturing talent and fostering prosperous career opportunities for our students.



PLACEMENT TRAINING



From April 25 to May 2, 2023, Talent Ease led a comprehensive placement training program for B.E. third-year students spanning all branches. The curriculum was crafted to bolster essential soft skills such as communication, time management, teamwork, emotional intelligence, leadership, and adaptability. Furthermore, the program aimed to sharpen students' aptitude in areas like numerical and logical reasoning, data interpretation, and both verbal and non-verbal analytical skills.

From June 5 to 7, 2023, Talent Ease in Trichy organized an effective Placement Training program for 250 B.E. first-year students across various branches at our campus. The training was expertly spearheaded by Mrs. A. Vijaya Lakshmi and ably facilitated by Mr. Arun. The dedicated team ensuring the program's success included Mr. Kingsly Lazarus, Ms. Vidhiya, Mrs. Jeba Rani, Mr. Anandharaj, and Mrs. Indra Gandhi, all under the coordination of Mr. Raja, the DGM of Learning and Development at Talent Ease.



CELL/CLUB/SOCIETY ACTIVITIES

FDP ON MODERN TEACHING TOOLS AND TECHNIQUES



The Internal Quality Assurance Cell of our institution organized an FDP titled 'Modern Teaching Tools and Techniques' from June 5 to 9, 2023. The FDP was graced by Mr. S. Dharmalingam, a distinguished corporate trainer, who delivered an invigorating talk. Our esteemed Principal provided an enlightening session on the utilization of AI-powered tools for meticulous data analysis and highlighted recent advancements in the field. Additionally, Dr. A. Arockiarajan, a renowned Professor from IIT Madras, imparted invaluable insights concerning teaching methodologies, research nuances, and avenues for funding.

WEBINAR ON INTELLECTUAL PROPERTY AND PUBLIC POLICY ISSUES

The Innovation, Incubation, and Entrepreneurship Development Center of our institution proficiently organized a webinar titled "Intellectual Property and Public Policy Matters" on June 22, 2023. The event was graced by the expertise of Dr. I. Prem Charles, Director (Operations) at Allinnov Research and Development Private Limited.



AWARENESS PROGRAMME - LEPROSY



Mount Zion College of Engineering and Technology remains dedicated to raising awareness about health concerns and promoting compassion in society. Recently, the RRC organized a "Leprosy awareness program" in Enappatti village, Pudukkottai, on May 26, 2023. The initiative aimed to educate the community, dispel stigma, and create a supportive environment for those affected by leprosy.

AWARENESS PROGRAMME - WORLD NO TOBACCO DAY

In observance of "World No Tobacco Day", the Red Ribbon Club of Mount Zion College of Engineering and Technology conducted a significant awareness event in Nachandhuppatti village, Pudukkottai, on May 31, 2023. Our students effectively communicated the hazards of tobacco consumption and highlighted the significance of embracing a tobacco-free way of life.



CELL/CLUB/SOCIETY ACTIVITIES

INTERNATIONAL YOGA DAY CELEBRATION



National Service Scheme (NSS) successfully hosted an event for International Yoga Day on June 21, 2023. The event aimed to promote yoga, renowned for its dual benefits of mental and physical relaxation as well as immunity enhancement. The event kicked off with an opening ceremony that highlighted the importance of yoga, underlining its holistic approach to well-being.

DRUG ABUSE AWARENESS PROGRAMME

The National Service Scheme (NSS) at Mount Zion College of Engineering and Technology is excited to present a significant event: the International Day against Drug Abuse and Illicit Trafficking, which was conducted on June 26, 2023, at Lenavilakku. Our dedicated students joined forces to enhance awareness of the dangers of drug abuse and illicit trafficking, advocating for a secure and drug-free community.





Empowering Careers, Shaping the Futures Mount Zion Leads The Way!



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