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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

CM TROPHY

In February 2023, MZCET achieved success by winning the CM Trophy in multiple sports, including Badminton Men, Volleyball, Football, Hockey, and Cricket. Their victory showcased excellence and skill across diverse athletic disciplines, earning them recognition and pride in the sporting community.



CAMPUS DRIVE

During the January to March 2023 campus drive, 83 students from our college secured jobs during the campus drive. They got hired by different companies. It was a successful period for our students, and we're proud of their achievements in finding employment.



SPOTLIGHTS

CHRISTMAS CELEBRATION

On December 21, 2022, our campus was adorned with colourful decorations, twinkling lights, and a beautifully decorated Christmas tree, creating a warm and inviting atmosphere. The festivities included various activities such as carol singing, a nativity play, and a heartwarming message emphasizing love, compassion, and togetherness. Students and staff members came together to exchange heartfelt wishes, share delicious treats, and spread the essence of Christmas throughout the campus.



PONGAL CELEBRATION

Our college enthusiastically celebrated the harvest festival of Pongal on January 13, 2023. The campus was filled with lively colors and traditional vibes, showing off the rich cultural heritage of the region. There were beautiful kolams (rangoli), sugarcane, and fresh harvest produce, capturing the essence of Pongal's connection to agriculture. The event saw students and faculty coming together to participate in various traditional activities, including the preparation of the Pongal dish itself.



24 HOURS WORKSHOP ON BUILDING DRAWING PRACTICES

On March 09, 2023, the Department of Civil Engineering hosted a 24-hour workshop titled Building Drawing Practices conducted by Mr. S.M. Manikandan and Dr. Dhavamani Doss, Assistant Professors, Civil. The session delved into various types of Civil Engineering Drawings. Students actively engaged in discussions during the query session, exploring the latest features in AutoCAD. The workshop not only provided valuable insights into drawing practices but also fostered a collaborative learning environment. Participants had the opportunity to enhance their understanding of essential concepts and interact directly with experienced faculty members, enriching their knowledge in the field of Civil Engineering and augmenting their proficiency in utilizing advanced tools like AutoCAD. The event reflected the department's commitment to practical skill development and staying abreast of the latest industry advancements.



CYBER SECURITY CONFERENCE

The Cyber Security Conference 2023, jointly organized by the Department of Computer Science and Engineering and the Tamil Nadu Police Department on March 17, 2023, emphasized the significance of Cyber Security Acts and their applications. Ms. Vandita Pandey, IPS Superintendent of Police, Cyber Crime Wing, Pudukkottai, stressed the importance of cybersecurity acts and how they apply to address issues, especially women's. Dr. P. Balamurugan, Principal of Mount Zion College of Engineering and Technology, shared thoughts on the challenges faced by students and society.



SCIENCE DAY CELEBRATION

The Department of Computer Science and Engineering marked National Science Day with a Project Expo on February 28, 2023. Talented first-year CSE students exhibited a total of 18 innovative projects utilizing Arduino and NodeMCU technologies. Notably, their showcase featured an Automatic Smart Dustbin, showcasing the students' creativity and practical application of technology to address everyday challenges.



SCIENCE DAY CELEBRATION

Collaborating with the IEEE Student Branch, the Department of Electronics and Communication Engineering celebrated National Science Day on February 28, 2023.

Over 25 students from the Electronics and Communication Engineering Department took part.

Dr. V. Kavitha, the Head of the Electronics and Communication Engineering Department, shared why National Science Day is important.



INDUSTRIAL VISIT ON MAHENDRAGIRI



Department of Electronics and Communication Engineering arranged industrial visit to Indian Propulsion Research Center (IPRC) on March 3, 2023. 52 students from the II year B.E. ECE, along with Mr. K. Ramachandran, Mr. R. Arunkumar, and Mrs. V. Bharathi Assistant Professors, ECE visited IPRC. During the visit, the students visited spacecraft motors, GSLV, PSLV, rocket motor nozzles, and related technologies. The functioning of different types of rockets was explained to the students using miniature models. Additionally, the ISRO staff at the museum shared insights into cryogenic technology.

WORKSHOP ON MULTIBAND PATCH ANTENNA FOR 5G APPLICATIONS

On March 31, 2023, the collaborative efforts of the IEEE Student Branch and the Department of Electronics and Communication Engineering conducted a workshop titled Multiband Patch Antenna for 5G Applications. The event was spearheaded by Dr. V. Kavitha, Head of the Department for Electronics and Communication Engineering, and Mrs. A. Taksala Devipriya, Assistant Professor of ECE.

They explained the workshop's goals and went into detail about Multiband Patch Antennas for 5G Applications. They shared information about HFSS software and how to design Multiband Patch Antennas using it. Overall, around 45 third-year students and three faculty members from the ECE department took part in this workshop.



WEBINAR ON SOLAR PV AND ITS DESIGN

The Department of Electrical and Electronics Engineering organized a webinar on Solar PV and its Design on March 24, 2023. Dr. A. Amudha, Professor and Dean of the Faculty of Engineering at Karpagam Academy of Higher Education, Coimbatore was invited as the resource person. She commenced her presentation on the topic of Solar PV and its Design. Approximately 70 students from the Department of EEE, as well as faculty members from the EEE department, participated in and benefited from this event.



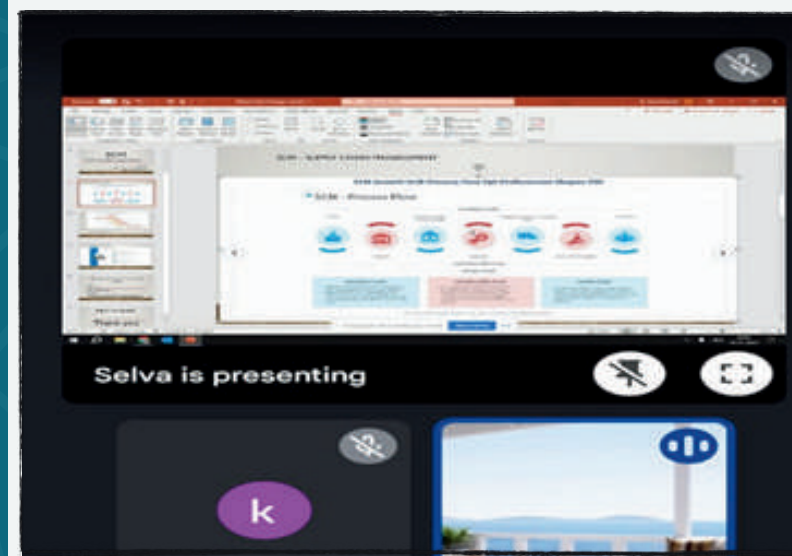
HANDS-ON WORKSHOP ON ELECTRIC VEHICLE DESIGN



The Department of Electrical and Electronics Engineering conducted a workshop titled Hands-on Workshop on Electric Vehicle Design on February 8 to 9, 2023. The workshop featured Dr. R. Muthukumar, Assistant Professor, EEE, and Dr. K. Pandiarajan, Professor in EEE, along with A. Sriram, Assistant Professor in Mechanical Engineering. During the workshop, the presenters introduced the fundamentals of electric vehicles and their global applications.

PLACEMENT TRAINING ON SOLID WORKS

In collaboration with REPORT C-CUBE Technologies, Karaikudi, placement training was organised for final-year B.E. Mechanical students from March 27 to 31, 2023. The training focused on SOLID WORKS. Trainers covered Introduction to Solid Works, Features of Solid Works, Graphical User Interface, Sketch Interior Part-1, Sketch Tools, Sketch Interior Part-2, Angle of Projection, Diagram Analysis, Introduction to Part Modeling, Planes & Curves, Solid Modeling and Wireframe Surface.



WORKSHOP ON MAINTENANCE AND REPAIR OF TWO WHEELERS



A workshop was organized on the Maintenance and Repair of Two-Wheelers for the benefit of Mechanical Engineering students on March 31, 2023. Mr. M. Prakash from P K Motors conducted the session, delivered an informative presentation on maintenance of two-wheelers. Students actively engaged and gained valuable knowledge about the maintenance of two-wheelers, proficiency in adjusting the tension of chains in two-wheelers, competence in adjusting brakes.

CELL/CLUB/SOCIAL ACTIVITIES

CAMPUS DRIVE

MPHASIS and WABCO INDIA LTD, Chennai, conducted successful campus drives on March 6 and March 16, 2023, respectively. In the MPHASIS drive, 86 students from various departments, including CSE, ECE, and EEE, participated, resulting in the selection of 10 students.

Simultaneously, WABCO INDIA LTD conducted a drive where all 19 participating students were selected, showcasing the company's keen interest in our college's talent pool.

The selected students eagerly anticipate joining these prestigious companies, marking a significant milestone in their professional careers.



PLACEMENT TRAINING - TALENT EASE, TRICHY



TALENT EASE, Trichy, conducted placement training for 309 second-year students from all branches at our college campus. The training took place from March 27 to 31, 2023, excluding March 30, 2023, spanning four days. The training schedule consisted of 70% of the topics in Aptitude and 30% in Soft Skills. Seven trainers conducted classes, covering various topics in both aptitude and soft skills like The Golden Rule, and The Power of Teaming.

MOTIVATIONAL SESSION ON THE LIFE OF A STARTUP FOUNDER

The Institution's Innovation Council organized a Motivational Session on the Life of a Startup Founder on February 2, 2023. The session was coordinated by Mrs. N. Radha, IIC President, and the resource person was Ms. M. Bharathi, CEO of Mathi Bharathi Enterprises & My Goodness, Pudokkottai. She shared her entrepreneurial journey and the challenges she encountered while establishing her business.



SESSION ON BANK SERVICES FOR STARTING A BUSINESS

A session on Bank Services for Starting a Business was organized on February 23, 2023 for aspiring entrepreneurs. Smt. M. Rajalakshmi, SBI Branch Manager, Thirumayam explained financial planning, business loans, and essential banking services. Attendees gained practical insights into leveraging banking tools to establish and grow their businesses. The session was concluded with Shri. Hari Aravinth, SBI Deputy Manager.



AWARENESS SESSION ON INTELLECTUAL PROPERTY RIGHTS

An awareness session on Intellectual Property Rights (IPR) and the Company Registration Process was conducted on March 03, 2023 by the Institution's Innovation Council. The resource person for the session was Mr. Vinoth Malaikani, an Incubation Scientist from EDII-Anna Business Incubation Research Foundation, Tiruchirappalli. The session aimed to raise awareness among the participants about Intellectual Property Rights (IPR), which encompass the legal rights granted to individuals or organizations for their creative works, inventions, and innovations. The resource person emphasized the significance of IPR protection and how it can promote innovation and creativity while safeguarding the interests of creators and innovators. The session covered various aspects of IPR, including patents, trademarks, copyrights, and trade secrets.



SESSION ON MSME SCHEMES

A session on MSME Schemes for Entrepreneurs was conducted by Institution's Innovation Council on February 23, 2023, at the MZCET Auditorium. Mr. Ravichandran, the General Manager of the District Industries Centre, Pudukkottai was the chief guest. He created awareness among entrepreneurs about various schemes and initiatives introduced by the government to develop the Micro, Small, and Medium Enterprises (MSME) sector.



BLOOD DONATION CAMP

In collaboration with the Rotary Club of Pudukkottai Central and the Pudukkottai Government Medical College Blood Bank, the Rotaract Club of Mount Zion, organized a blood donation camp on March 3, 2023. A total of 101 donors, including staff, Rotary members, and students, donated blood to the Pudukkottai Government Medical College Blood Bank.



WOMEN'S DAY CELEBRATION

Women's Day was celebrated on March 8, 2023 with motivational and inspiring speech by Dr. P. Veeramani, Assistant Professor in the Department of Women Studies, Alagappa University, Karaikudi. Her engaging and informative talk on women empowerment left a lasting impact on everyone present, further reinforcing the significance of celebrating the achievements and contributions of women in our society.

The activities such as poster presentations, English essay writing, and multimedia presentations were conducted.



HIV/AIDS AWARENESS PROGRAMME



The Red Ribbon Club (RRC) of Mount Zion College of Engineering and Technology organized a field visit to the Government Hospital in Thirumayam, Pudukkottai, on March 16, 2023, under the guidance of RRC Program Officer, Mr. N. Lakshman Kumar. During the visit, Mrs. Rohini, the ICTC Coordinator of Thirumayam Government Hospital, explained about HIV/AIDS. This helped the students better understand the healthcare system and the vital roles different healthcare professionals play in delivering patient care.

SPORTS ACTIVITIES

CM TROPHY

MZCET players displayed remarkable sportsmanship and dedication, clinching victory and proudly bringing home the CM Trophy in multiple sports disciplines. Their hard work and relentless practice bore fruit as they secured the prestigious trophy in badminton (men's category), football, volleyball, hockey, and cricket.

The outstanding performances of our athletes in these diverse sports not only highlight their individual skills but also exemplify the spirit of teamwork and camaraderie fostered within our sports teams.





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



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