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PINNACLE

MZCET NEWSLETTER



MOUNT ZION
COLLEGE OF ENGINEERING AND TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, Affiliated to Anna University & Accredited by NAAC with A+ Grade)
Lena Vilakku, Pilivalam P.O, Thirumayam TK, Pudukkottai - 622507
E-mail: info@mzcet.in | www.mzcet.in





1

INTRODUCTION

Vision & Mission	1
About us	2

2

SPOTLIGHTS	7
------------------	---

3

DEPARTMENT ACTIVITIES

Artificial Intelligence and Data Science Engineering	13
Computer Science and Engineering	14
Electronics and Communication Engineering	15
Electrical and Electronics Engineering	16
Information Technology	17
Master of Business Administration	18
Science and Humanities	19

4

CELL/CLUB/SOCIETY ACTIVITIES	20
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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

Mount Zion College of Engineering and Technology, Pudukkottai's genesis 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 programmes (Artificial Intelligence and Data Science, Civil Engineering, Computer Science & Engineering, Information Technology, Electrical & Electronics Engineering, Electronics & Communication Engineering, and Mechanical Engineering) and three postgraduate programmes (Computer Science & Engineering, Communication Systems and Master of Business Administration).



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 CHELLIAH, 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.



From the Desk of Director

Dr. JAYSON KEERTHY JAYABARATHAN, M.Tech.,Ph.D.,

By the grace of God, the college has grown from strength to strength this year as well. In addition to the many programmes conducted regularly, the college has received a significant facelift. I would like to thank all the students who pitched in and devoted their time and energy to beautifying the campus.

Let us resolve this year to make our surroundings more beautiful. Money is not always required to enhance our environment; a sincere attitude and collective effort can make a big difference.

The attitude of many modern businesses toward the environment can be summed up by the following quote: "If people destroy something replaceable made by mankind, they are called vandals; if they destroy something irreplaceable made by God, they are called developers." Let us not be selfish engineers, but strive to protect the Earth for future generations. Let us keep our home—planet Earth—beautiful.

I would like to commend the magazine team for their hard work and dedication. Their efforts have resulted in the publication of this beautiful magazine. I pray that God will continue to shower His blessings on this institution, and may it continue to grow and serve both society and the nation as a whole.



From the Desk of Principal

Dr. P. BALAMURUGAN M.E., Ph.D.,

It is a great pleasure to pen a few lines in Pinnacle 2025, a beautiful presentation of Mount Zion's activities. The college has grown by leaps and bounds over the past year, and this remarkable progress is evident as we reflect on the various initiatives undertaken throughout the year.

Many parents have chosen Mount Zion for their children's education, as this reputed institution imparts quality education and self-discipline. These hallmarks of Mount Zion play a vital role in shaping individuals into well-rounded human beings.

New avenues are being explored, and Mount Zion is looking forward to signing MoUs with reputed companies and institutions, initiating many meaningful and symbiotic projects.

As Mount Zion CET marches into a new academic year, it may grow from strength to strength and add many more feathers to its cap. I congratulate the magazine team for their dedicated efforts to bring out this beautiful journal.



From the Desk of Academic Coordinator

Prof. VIVIAN JAYSON, B.E., M.E.,

It gives me immense pleasure to share a few thoughts in Pinnacle 2025, a reflection of the vibrant academic and co-curricular life at Mount Zion College of Engineering and Technology.

The past academic year has been both dynamic and rewarding. We have witnessed commendable progress in teaching and learning, research activities, and student achievements. The consistent commitment of our faculty and the enthusiastic participation of our students have significantly contributed to this growth.

Academic excellence remains at the core of our institution's vision. With continuous curriculum enhancement, skill-based training programmes, and industry interaction, we aim to equip our students with the knowledge and competence required to excel in a competitive world.

I encourage all students to make the best use of the resources and support systems available at Mount Zion. Your journey here is the foundation for your future—make it count with commitment, curiosity, and a spirit of integrity.

I take this opportunity to congratulate the Editorial Board for capturing the essence of our college in this beautifully crafted magazine. May Mount Zion continue to scale new heights in academic and holistic excellence.

TOPPERS LUNCH



A Toppers Lunch was organized on October 16, 2025, at MZCET to recognize and appreciate the academic excellence of high-performing students—the event aimed to motivate students by acknowledging their dedication, hard work, and consistent academic achievements. The management, principal, and faculty members interacted with the toppers in a cordial and encouraging environment. During the interaction, the achievers shared their learning experiences, study strategies, and future aspirations. The faculty members congratulated the students and emphasized the importance of discipline, perseverance, and continuous improvement in academic and professional life. The lunch session provided an opportunity for informal interaction, strengthening the bond between students and faculty.

TOPPERS LUNCH



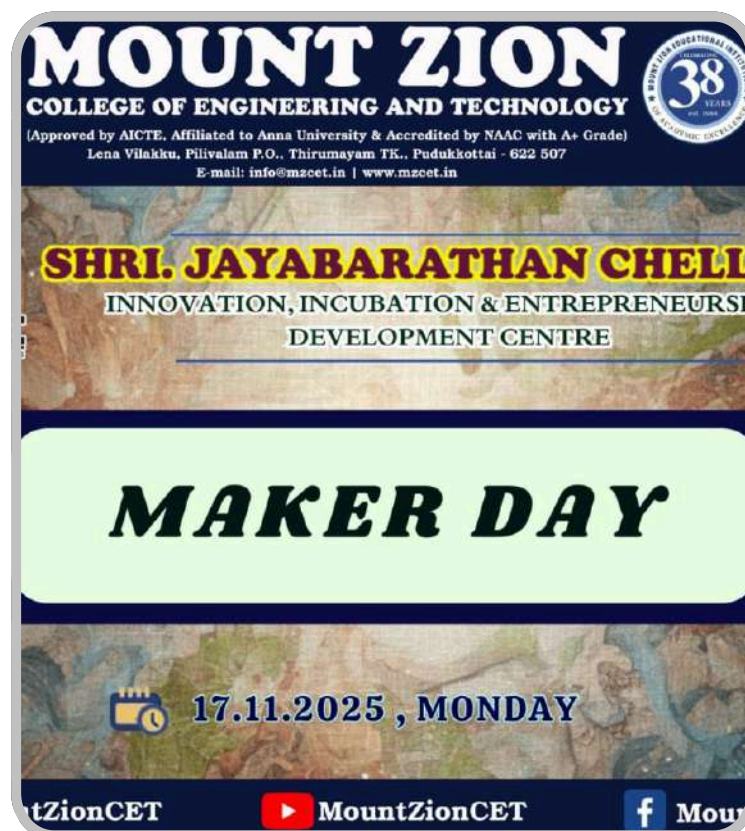
To honor academic excellence, a Toppers Lunch was organized at MZCET on October 30, 2025, exclusively for I Year students. The initiative aimed to motivate students by recognizing their sincere efforts and remarkable performance during the initial phase of their academic journey.

The programme provided an opportunity for interaction between the management, principal, faculty members, and student achievers. The toppers shared their experiences and learning strategies, motivating fellow students. Faculty members appreciated the students' achievements and stressed the importance of discipline, consistency, and effective time management.

MAKERS DAY

Maker's Day was celebrated on 17th November 2025 at MZCET to encourage innovation, creativity, and entrepreneurial thinking among students. The programme was organized in association with the Shri. Jayabarathan Chelliah Innovation, Incubation & Entrepreneurship Development Centre, aiming to nurture a culture of hands-on learning and innovation.

The event provided students with an effective platform to present their innovative ideas, projects, and prototypes. Resource persons offered guidance on design thinking, product development, and the commercialization of innovative concepts. The programme emphasized problem-solving skills, practical implementation, and interdisciplinary collaboration, motivating students to develop solutions that address real-world challenges and societal needs.



4TH IEEE INTERNATIONAL CONFERENCE



From December 10 to 12, 2025, MZCET organized the 4th IEEE International Conference on Automation, Computing and Renewable Systems (ICACRS-2025) to facilitate discussions on emerging research in automation, computing, and renewable technologies. The conference was inaugurated with a keynote address by Dr. R. Mohan, Associate Professor, Department of Computer Science and Engineering, NIT Tiruchirappalli, who elaborated on emerging trends, research challenges, and innovative solutions in automation and computing technologies. The programme included technical paper presentation sessions, expert discussions on renewable energy integration, and workshops focusing on advanced computing applications. Participants from various institutions actively engaged in interactive sessions, sharing ideas and exploring possibilities for collaborative research.

FIRST BOARD OF STUDIES (BOS) MEETING

As part of the Silver Jubilee academic initiatives, the First Board of Studies (BoS) Meeting was conducted at MZCET on December 14, 2025, to review and update the curriculum. The meeting aimed to maintain academic quality and ensure alignment with industry expectations and research advancements. The deliberations involved senior faculty members, industry experts, and academic advisors, with discussions focusing on curriculum revision, inclusion of modern technologies, experiential learning enhancement, and employability skill development. Stakeholder feedback and interdisciplinary course proposals were duly considered. The meeting highlighted the importance of curriculum innovation, continuous improvement, and adherence to accreditation standards.



INNOVATION DAY

Celebrating student creativity and innovation, Innovation Day was held on December 18, 2025, at Mount Zion College of Engineering and Technology (Autonomous). The event provided an opportunity for students to showcase their innovative projects and technological prototypes.

The programme was inaugurated by Shri P. Annamalai, M.Com, F.C.A, DISA, Chartered Accountant, who stressed the role of innovation and financial planning in entrepreneurial success. He encouraged students to develop practical, research-based solutions to societal problems and emphasized ethical practices and collaboration. Student participation through project presentations and mentor interactions contributed to enhancing creativity, problem-solving skills, and industry readiness.



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

NATIONAL LEVEL TECHNICAL SYMPOSIUM – THINKBIT_25



Marking a platform for technical innovation, the National Level Technical Symposium – THINKBIT_25 was organized on October 10, 2025, by the Departments of Artificial Intelligence & Data Science and Information Technology. The programme aimed to provide exposure to current technological trends and industry practices.

The inaugural address was delivered by Mr. B. Ashwin, Senior Software Developer at Amazon, Chennai, who emphasized the importance of innovation, problem-solving skills, and industry readiness. The symposium featured multiple technical competitions and interactive sessions, enabling students to actively participate and enhance their professional competencies. The event successfully fostered technical learning and professional growth among the participants.

ALUMNI INTERACTION & GUIDANCE PROGRAMME - BRIDGING CAMPUS AND CAREER



The Department of Computer Science and Engineering organized an Alumni Interaction and Guidance Programme titled Bridging Campus and Career on 24th October 2025.

The session was delivered by Mr. S. Balasubramanian (Batch of 2012), a distinguished alumnus of the institution, is currently employed at Wind River Systems International Inc., Bangalore. He shared his professional journey and experiences, focusing on the transition from academic life to the corporate environment. The speaker emphasized the significance of strong technical fundamentals, continuous learning, problem-solving abilities, and adaptability to succeed in the IT industry. He also provided valuable insights into career pathways, skill enhancement, internship opportunities, and effective interview preparation.



INDUSTRIAL VISIT

On October 10, 2025, the Department of Electronics and Communication Engineering organized IV – A Day of Innovation & Inspiration for II and III year students in collaboration with Amphisoft Technologies, Coimbatore. The programme aimed to inspire young engineers by bridging the gap between academic learning and industry expectations.

The resource persons from Amphisoft Technologies shared insights on emerging technologies, industry trends, and career opportunities in the electronics and software sectors. They emphasized the importance of innovation, practical skills, and continuous learning for professional growth. Interactive sessions and discussions motivated students to explore real-time projects and internships.



NATIONAL LEVEL TECHNICAL SYMPOSIUM – ELECTRICKS'25

A National Level Technical Symposium – ELECTRICKS'25 was successfully organized on October 15, 2025, by the Department of Electrical and Electronics Engineering (EEE). The symposium aimed to enhance technical knowledge, innovation, and professional skills among students by providing exposure to current industry trends. The inaugural address was delivered by Dr. Sahithullah, M.E., Ph.D., Senior Engineer, Tech Mahindra, Bangalore, who shared valuable insights from his industry experience. He highlighted emerging technologies, industry expectations, and the importance of practical skills, research orientation, and continuous learning for aspiring engineers. Various technical and non-technical events were conducted, encouraging active student participation and knowledge exchange.



AI FOR A SMARTER WORLD – INSPIRING INNOVATION AND IMPACT

A seminar titled AI for a Smarter World – Inspiring Innovation and Impact was organized by the Department of Information Technology on October 07, 2025. The session was handled by Dr. U. Muthaiah, Associate Professor, Department of Computer Science and Engineering, Amrita School of Engineering, Chennai. The seminar focused on the role of Artificial Intelligence in innovation and societal impact. Dr. U. Muthaiah motivated students to enhance problem-solving skills, pursue interdisciplinary learning, and explore AI-based projects and research. The session was interactive and received enthusiastic participation from students. Overall, the seminar was informative and inspiring, encouraging the use of AI for technological and societal development.



INDUSTRIAL VISIT

An industrial visit was organized on October 24, 2025, for the MBA students to Hatsun Agro Product Ltd. – Industrial Plantation, Tirunelveli. The objective of the visit was to provide practical exposure to industrial operations, management practices, and supply chain processes in the dairy and agro-based industry.

During the visit, company officials briefed the students on the organizational structure, production processes, quality control measures, and sustainability practices followed by Hatsun Agro Product Ltd. Students gained insights into plantation management, procurement of raw materials, logistics, and marketing strategies adopted by the company. Emphasis was also laid on hygiene standards, technology integration, and efficiency in large-scale operations.



AWARENESS PROGRAMME- MIND MATTERS: A WELLNESS JOURNEY FOR FRESHERS

An awareness programme titled Mind Matters: A Wellness Journey for Freshers was conducted on October 23, 2025, by the Counselling Cell for I Year students. The objective of the programme was to promote mental well-being, emotional resilience, and healthy coping strategies among freshers as they transition into college life.

The session was led by Prof. Dr. J. Jerin Kumar, Mount Zion College of Nursing, who addressed the importance of mental health awareness and self-care practices. He spoke about common challenges faced by first-year students, such as academic stress, adjustment issues, peer pressure, and anxiety. The speaker emphasized practical techniques, including stress management, time management, positive thinking, mindfulness, and seeking help when needed.



CELLS/CLUB/SOCIETY ACTIVITIES

SEMINAR ON AI-DRIVEN INNOVATIONS IN SIGNAL AND IMAGE PROCESSING

A seminar on AI-Driven Innovations in Signal and Image Processing was successfully conducted on October 07, 2025, by the IETE in association with the Department of Electronics and Communication Engineering. The programme aimed to enhance awareness among students and faculty about the growing role of Artificial Intelligence in advanced signal and image processing applications.

The session was delivered by Dr. Bibin Francis, Assistant Professor (Senior Grade), Department of ECE, NIT Tiruchirappalli, who shared his academic and research expertise. He introduced the fundamentals of AI and machine learning and explained their importance in modern engineering domains. The speaker discussed AI techniques such as deep learning, convolutional neural networks, and neural signal processing, highlighting applications in medical imaging, speech recognition, object detection, biometrics, autonomous systems, and intelligent communications.

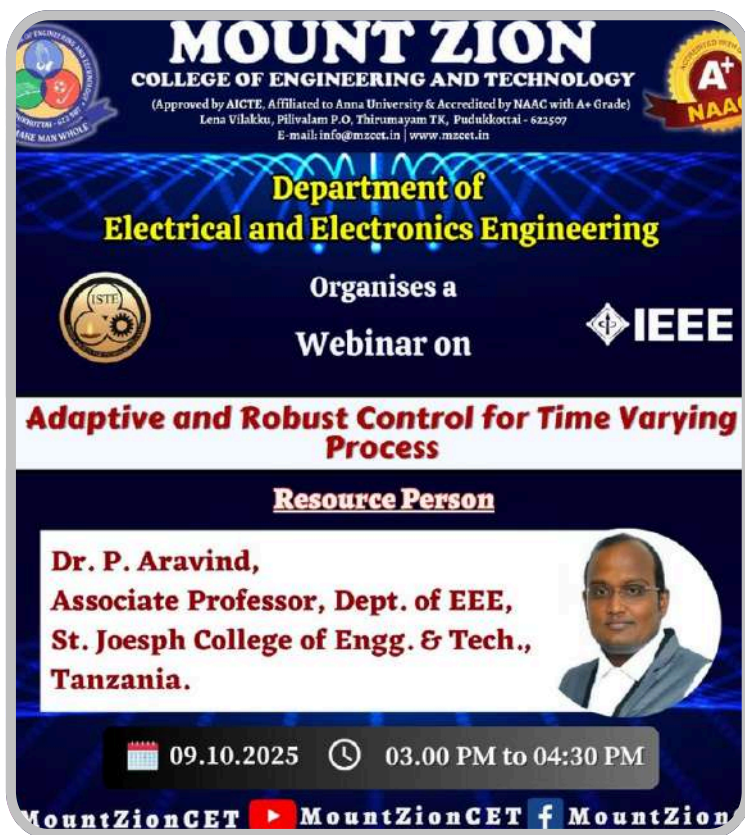


CELLS/CLUB/SOCIETY ACTIVITIES

WEBINAR ON ADAPTIVE AND ROBUST CONTROL FOR TIME-VARYING PROCESSES

A webinar on Adaptive and Robust Control for Time-Varying Processes was conducted on October 09, 2025, by the Department of Electrical and Electronics Engineering (EEE) and IEEE. The objective of the webinar was to provide students and faculty with an understanding of advanced control strategies used in dynamic and uncertain systems.

The session was delivered by Dr. P. Aravind, Associate Professor, Department of EEE, St. Joseph College of Engineering & Technology, Tanzania. He began by explaining the fundamentals of adaptive and robust control and their importance in handling system uncertainties and time-varying parameters. The speaker discussed various control techniques and illustrated their applications in industrial automation, power systems, robotics, aerospace systems, and process control.



CELLS/CLUB/SOCIETY ACTIVITIES

GRAM SABHA MEETING

A Gram Sabha Meeting was conducted on October 11, 2025, under the joint initiative of UBA, NCC, and NSS with active participation from faculty members and community representatives. The meeting aimed to promote community engagement, identify local issues, and discuss developmental activities for rural upliftment. The programme was coordinated by Mr. C. Palaniappan, Assistant Professor, Department of Electronics and Communication Engineering; Mr. V. Raja, Assistant Professor, Department of Business Administration; Mr. G. Suresh, Assistant Professor, Department of Mechanical Engineering; and Mr. M. Vinothkumar, Assistant Professor, Department of Mechanical Engineering. The faculty members interacted with villagers to understand concerns related to infrastructure, sanitation, education, and livelihood.



CELLS/CLUB/SOCIETY ACTIVITIES

PLACEMENT TRAINING PROGRAM



The Placement Cell conducted placement activities on October 22, 2025, and November 01, 2025, in association with Jilaba Software Services, Chennai, and WeNxt Technologies, Chennai, respectively, to enhance students' awareness of career opportunities and industry expectations. The programmes were organized for students of the CSE and ECE departments and focused on familiarizing them with current recruitment practices, company profiles, work culture, job roles, and employment opportunities in the software and technology sectors. Representatives from the organizations emphasized essential technical skills, programming knowledge, problem-solving ability, communication skills, and professional attitude required for career success. The sessions also included guidance on interview preparation, career planning, and current industry trends. Students actively participated, clarified their queries, and gained valuable insights, making the programmes informative and beneficial in improving employability skills and placement readiness.

CELLS/CLUB/SOCIETY ACTIVITIES

PLACEMENT TRAINING PROGRAM

The Placement Cell organized a placement programme on November 03, 2025, in collaboration with Firstsource Solutions Ltd., Chennai, and a campus recruitment drive on November 04 and November 07, 2025, in association with SL Lumax Limited, Chennai, to provide students with exposure to corporate recruitment processes and career opportunities. The programmes were conducted for final-year students of ECE, EEE, and Mechanical Engineering and focused on familiarising them with company profiles, work culture, job roles for fresh graduates, and industry expectations. Representatives from both organisations emphasised the importance of technical knowledge, communication skills, problem-solving ability, teamwork, adaptability, and professional etiquette. The sessions also included guidance on interview preparation, aptitude tests, group discussions, and professional conduct.



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CAMPUS RECRUITMENT DRIVE
2025-'26

SL Lumax Limited
Chennai

4th & 7th November, 2025 – Tuesday & Friday

HEARTY WELCOME TO THE HR TEAM



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CAMPUS RECRUITMENT DRIVE
2025-'26

Firstsource Solutions Ltd
Chennai

3rd November, 2025 - Monday

HEARTY WELCOME TO THE HR TEAM

CELLS/CLUB/SOCIETY ACTIVITIES

PLACEMENT TRAINING PROGRAM



The Placement Cell organized placement programmes on November 13, 2025, and December 19, 2025, in association with RCK Techies Private Limited, Chennai, and Shree Abirami Engineering Works Pvt. Ltd., Chennai, respectively, to enhance students' employability and provide exposure to corporate and industrial recruitment processes. Representatives from the organizations introduced their company profiles, services, job roles, and career opportunities for fresh graduates, emphasizing the importance of technical proficiency, problem-solving ability, communication skills, adaptability, and professional behaviour. The sessions included guidance on interview preparation, aptitude assessments, soft skills development, group discussions, and workplace etiquette.



CELLS/CLUB/SOCIETY ACTIVITIES

FACULTY DEVELOPMENT PROGRAMME - SEMICONDUCTOR DEVICES, FABRICATION & LAYOUT DESIGN



A Faculty Development Programme (FDP) on Semiconductor Devices, Fabrication & Layout Design was conducted from December 01 - 05, 2025, under the initiative of E & ICT Academy. The programme aimed to enhance the technical knowledge and research capabilities of faculty members in the field of semiconductor technology and VLSI design.



The FDP covered fundamental and advanced topics, including semiconductor physics, device fabrication techniques, layout design methodologies, and circuit optimization strategies. Expert sessions were conducted by academicians and industry professionals, providing insights into current trends, challenges, and innovations in semiconductor devices.

CELLS/CLUB/SOCIETY ACTIVITIES

IBM SKILLSBUILD PROGRAM

An IBM SkillsBuild Program was conducted from 08 - 12 December 2025 under the initiative of the ICT Academy. The programme aimed to enhance participants' technical knowledge, digital skills, and industry-relevant competencies through structured learning modules provided by IBM. The training covered key topics including cloud computing, data analytics, artificial intelligence, cybersecurity, and professional soft skills, enabling participants to gain practical exposure to emerging technologies. Interactive sessions, hands-on exercises, and project-based learning were incorporated to reinforce theoretical concepts and develop problem-solving abilities. Participants were also introduced to IBM tools and platforms, equipping them with practical skills applicable in academic research and industry projects.



CELLS/CLUB/SOCIETY ACTIVITIES

PLACEMENT TRAINING PROGRAM

The Placement Cell conducted placement programmes on December 22-23, 2025, in collaboration with Gestamp Automotive Chennai Pvt. Ltd., Chennai, and Delphi TVS Technologies, Chennai, respectively, for final-year students of EEE and Mechanical Engineering. The programmes aimed to provide students with insights into industry expectations, corporate recruitment processes, and career opportunities in the automotive and engineering sectors. Representatives from both organizations briefed the students on company profiles, work culture, organizational practices, and job roles, emphasizing the importance of technical proficiency, practical knowledge, problem-solving skills, teamwork, adaptability, and effective communication.



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CAMPUS RECRUITMENT DRIVE
2025-'26

**Gestamp
Automotive Chennai Pvt. Ltd.,
Chennai**

22nd December, 2025 - Monday



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CAMPUS RECRUITMENT DRIVE
2025-'26

**Delphi TVS Technologies
Chennai**

23rd December, 2025 - Tuesday



AN AUTONOMOUS INSTITUTION

Empowering Careers, Shaping Futures

Mount Zion Leads The Way!

CONTACT US

Lena Vilakku, Pilivalam P.O, Thirumayam Tk.
Pudukkottai Dt - 622507, Tamil Nadu, INDIA



+91 8973510000



info@mzcet.in



www.mzcet.in