



24th Annual State Students' Convention of The ISTE Kerala Section

NEXORA

EVENT BROCHURE

Theme

Smart and Sustainable: Engineering a better tomorrow with AI

30 - 31 January 2026

Bridging AI, Automation and Sustainability

MAR BASELIOS COLLEGE OF ENGINEERING & TECHNOLOGY

ABOUT

Mar Baselios College of Engineering and Technology (Autonomous), Thiruvananthapuram, Kerala, established in 2002 under the Malankara Catholic Church, is a premier engineering institution affiliated with APJ Abdul Kalam Technological University and approved by AICTE.

Renowned for academic excellence and an innovation-driven culture, MBCET offers quality undergraduate and postgraduate programs supported by modern infrastructure, advanced laboratories, and a highly qualified faculty. The college emphasizes experiential learning, industry collaboration, research, and interdisciplinary projects, enabling students to develop strong practical and problem-solving skills.

Alongside academics, MBCET promotes holistic development through sustainability initiatives, community engagement, and vibrant student organizations, thereby nurturing globally competent engineers with strong ethical values.

ABOUT

THE INDIAN SOCIETY FOR TECHNICAL EDUCATION

The Indian Society for Technical Education (ISTE), established in 1941 and registered under the Societies Registration Act of 1860, is a national, professional, non-profit organization dedicated to the advancement of technical education in India. With a mission to promote the professional development of engineering educators and enhance students' skills and personalities, ISTE works to strengthen a dynamic, industry-relevant academic ecosystem. Through faculty training programs, conferences, workshops, faculty development initiatives, and active student chapters across the country, ISTE keeps educators aligned with evolving technologies and pedagogical practices, thereby contributing to the development of skilled, innovative, and globally competitive technical professionals for the nation.

24TH ANNUAL ISTE STATE STUDENTS' CONVENTION

A flagship annual conclave for Engineering and Polytechnic students across Kerala, offering:

- A vibrant platform for idea exchange and cutting-edge technical discussions
- Project exhibitions and competitive technical challenges
- Hands-on workshops and expert-led seminars
- Recognition through awards for outstanding student chapters and achievements
- Insightful focus on emerging challenges and future opportunities in engineering

HIGHLIGHTS

ISTE Execom Meet (All Kerala): Leadership & strategy.

Technology expos showcasing projects and innovations

Interactive, hands-on technical workshops

Technology expos showcasing projects and innovations

Insightful tech talks by CEOs and industry experts

Thrilling RoboWars and robotics challenges

Ideathon focused on innovation and problem-solving

Engaging games fostering collaboration and networking

High-energy hackathon and coding challenges

Cultural programs celebrating creativity and talent

OPEN-ACCESS EVENTS

INAUGURATION CEREMONY

The Inauguration Ceremony formally marks the opening of the event, setting the tone with distinguished guests, keynote addresses, and the unveiling of the event's vision. It symbolizes the beginning of collaboration, learning, and innovation.

AUTOMOTIVE BUSINESS CONCLAVE 2026 – PANEL MEET

The Automotive Business Conclave 2026 – Panel Meet brings together industry leaders, policymakers, and experts to discuss market trends, innovation, and the future of mobility. It serves as a strategic platform for insightful dialogue, collaboration, and informed decision-making within the automotive ecosystem.

AUTOVERSE – YANTRADISTI – ROUND TABLE DISCUSSION

AUTOVERSE – Yantradisti – Round Table Discussion brings together industry experts, innovators, and academicians for an interactive exchange of ideas on the evolving automotive ecosystem. The session encourages open dialogue, collaborative thinking, and strategic insights into future technologies and mobility trends.

ZEROG – SPACE ENTREPRENEURSHIP FEST

ZeroG – Space Entrepreneurship Fest is a dynamic platform that brings together space-tech innovators, startups, investors, and aspiring entrepreneurs. The fest fosters collaboration, idea exchange, and discussions on emerging opportunities in the space economy and new-age aerospace ventures.

WORKSHOPS *And* COMPETITIONS

1.5 DAYS DRONE WORKSHOP

Hands-on technical training program focused on drone design, assembly, flight operations, and real-world applications. Participants gain practical exposure under expert guidance, bridging theory with industry-relevant skills.

1.5 DAYS ETHICAL HACKING WORKSHOP

Intensive hands-on training program covering cybersecurity fundamentals, penetration testing techniques, and real-world attack-defense scenarios. Participants gain practical skills and industry insights under expert guidance to strengthen digital security expertise.

DEBATE

Engaging platform for critical thinking, structured argumentation, and intellectual exchange on contemporary issues. Only one team per college is permitted to ensure fair representation and healthy competition.

TERRA FIRMA TRIALS – CIVIL COMPETITION

Terra Firma Trials challenges participants to apply core civil engineering principles through practical problem-solving and innovative design tasks. The event tests technical knowledge, structural insight, and teamwork in real-world-inspired scenarios.

CIRCUIT DESIGNING

Circuit Designing Competition evaluates participants' ability to conceptualize, design, and implement efficient electronic circuits under given constraints. The event emphasizes innovation, accuracy, and practical application of core electronics principles.

PROMPT COMPETITION

Prompt Competition challenges participants to craft precise, creative, and effective prompts to achieve optimal outputs from AI systems. The event evaluates clarity of thought, innovation, and the strategic use of language in human-AI interaction.

CAD COMPETITION

CAD Competition tests participants' proficiency in computer-aided design through precise modeling, drafting, and visualization challenges. The event emphasizes accuracy, creativity, and practical engineering application.

RJ HUNT

RJ Hunt is an engaging on-ground challenge that tests participants' communication skills, creativity, and spontaneity through radio-jockey-style tasks. The event evaluates voice modulation, presence of mind, and audience engagement in dynamic scenarios.

ROBO WAR

Robo War is an adrenaline-packed robotics competition where custom-built robots battle in a high-intensity arena. The event tests mechanical strength, control precision, and strategic combat skills.

ESCAPE ROOM

Escape Room is an immersive, time-bound challenge where participants solve puzzles, decode clues, and work collaboratively to break out of themed scenarios. The event sharpens problem-solving skills, logical thinking, and teamwork under pressure.

SODESO

SoDeSo (Soldering & Desoldering) is a hands-on technical challenge that tests participants' precision, speed, and proficiency in electronic assembly and component removal. The event emphasizes practical skills, accuracy, and safe handling of tools.

PROGRAMMING DEBUGGING

Programming Debugging Competition challenges participants to identify, analyze, and fix errors in code within a limited time frame. The event evaluates logical thinking, problem-solving ability, and coding accuracy under pressure.

TWO WHEELER ASSEMBLING AND DISASSEMBLING

Two-Wheeler Assembling & Disassembling is a practical mechanical challenge that tests participants' understanding of automotive components and system integration. The event emphasizes technical knowledge, precision, and time-efficient execution.

BUILDER-BRAIN

Builder-Brain (Building Planning) challenges participants to design efficient, functional, and regulation-compliant building plans. The event evaluates spatial planning, creativity, and practical application of civil engineering principles.

ROBO MAZE ESCAPE

Robo Maze Escape is a robotics challenge where autonomous or manually controlled robots navigate a complex maze to reach the exit in the shortest time. The event tests programming logic, sensor integration, and precision control.

CALLIGRAPHY COMPETITION

Calligraphy Competition celebrates the art of beautiful writing, testing participants' creativity, precision, and stylistic expression. The event emphasizes visual aesthetics, consistency, and mastery of lettering techniques.

PROGRAMMING DEBUGGING

Programming Debugging Competition challenges participants to identify, analyze, and fix errors in code within a limited time frame. The event evaluates logical thinking, problem-solving ability, and coding accuracy under pressure.

CIRCUIT DEBUGGING

Circuit Debugging Competition challenges participants to identify faults and restore functionality in electronic circuits within a limited time. The event evaluates analytical skills, component knowledge, and troubleshooting efficiency.

LATHE MASTER

Lathe Master is a skill-based mechanical competition that tests participants' expertise in lathe machine operations, precision machining, and tool handling. The event emphasizes accuracy, safety practices, and time-efficient execution.

TREASURE HUNT

Treasure Hunt is an exciting team-based challenge where participants solve clues and complete tasks to uncover hidden checkpoints. The event promotes teamwork, strategic thinking, and quick decision-making in a fun, competitive environment.

CLOUD COMPUTING WORKSHOP (DAY - 02)

Cloud Computing Workshop is a hands-on learning session introducing participants to cloud fundamentals, deployment models, and real-world use cases. The workshop focuses on practical skills in cloud services, scalability, and modern infrastructure management.

CLAY WORKSHOP (DAY - 02)

Clay Workshop is a creative, hands-on session where participants explore clay modeling techniques to craft artistic and functional forms. The workshop encourages creativity, material understanding, and expressive design skills.

PATHRIKA – PAPER PRESENTATION

Paper Presentation provides a professional platform for participants to present research ideas, technical papers, and innovative concepts before an expert panel. The event emphasizes clarity of communication, technical depth, and originality of work.

CARROMS COMPETITION

Carroms Competition is a competitive indoor sporting event that tests participants' precision, strategy, and control. The event promotes sportsmanship, focus, and tactical gameplay.

QUIZ COMPETITION

Quiz Competition is a fast-paced knowledge challenge that tests participants' awareness, analytical thinking, and problem-solving skills across diverse domains. The event encourages healthy competition, quick reasoning, and teamwork.

CHIEF PATRON

Rev. Fr. John Varghese Palankunnathil
Director, MBCET

PATRON

Rev. Dr. Koshy Issac Punnamoottil
Bursar, MBCET

Dr. S. Viswanatha Rao
Principal, MBCET

ORGANIZING CHAIR

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National Executive Committee Member ISTE,
Mentor ISTE MBCET

Ms. Asha S
Chairperson,
ISTE MBCET Faculty Chapter

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Dr. Jishnu Chandran
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AUTOVERSE - Yantradristi

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Ms. Jean Molly Simon
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Ms. Shilpa Susan Peter
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