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NATIONAL CONFERENCE ON SUSTAINABLE ENGINEERING, SCIENCE AND SAFETY

(SESS - 2025) 28-03-2025
(HYBRID MODE)



SAE INDIA
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STELLA MARY'S
RESEARCH & DEVELOPMENT CELL

FROM RESEARCH APPLICATION TO PRODUCT DEVELOPMENT

Organized by
Industrial Safety Engineering
Department of Mechanical
Engineering



STELLA MARY'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
[Approved by AICTE, New Delhi, affiliated to Anna University, Chennai,
Accredited by NAAC & Accredited by NBA (Mech & CSE)]
Aruthengannilai, Kallukatti Junction, Azhikal Post, Kanyakumari District-
629202,
Tamil Nadu, South India.

EXPERT TALK

1 : Occupational Health and Safety in the Renewable Energy Sector

2 : Industrial Safety and Sustainable Risk Management

DEADLINES

Abstract Submission : 25 March 2025 (Extended)
Notification of Abstract acceptance : 26 March 2025
Virtual Presentation Registration : 27 March 2025

REGISTRATION FEES

UG/PG Students	Research Scholars	Faculty Members	Industry Personnel
OFFLINE MODE			
500 INR	600 INR	700 INR	800 INR
VIRTUAL MODE			
250 INR	300 INR	350 INR	400 INR

PAYMENT DETAILS

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CONTRIBUTION TRACKS

Track 1

- Hazard Identification and Risk Assessment in Renewable Energy
- Occupational Safety Standards and Regulations for Renewable Energy Workers
- Personal Protective Equipment (PPE) for Renewable Energy Industry
- Workplace Ergonomics and Injury Prevention in Solar and Wind Energy
- Electrical Safety in Solar Power Installation and Maintenance
- Fire and Explosion Risks in Biomass and Bioenergy Plants
- Confined Space and Working-at-Height Safety in Wind Turbine Maintenance
- Chemical and Toxic Exposure Risks in Battery Storage and Energy Production
- Emergency Response Planning for Renewable Energy Facilities
- Mental Health and Well-being of Workers in the Renewable Energy Sector

Track 2

- Principles of Industrial Safety and Sustainable Risk Management
- Hazard Identification and Risk Assessment in Industrial Operations
- Occupational Health and Safety Standards in Sustainable Industries
- Fire Prevention and Emergency Preparedness in Industrial Settings
- Chemical Safety and Hazardous Waste Management in Green Industries
- Machine Safety and Automation in Sustainable Manufacturing
- Environmental Risk Management and Pollution Control
- Ergonomics and Workplace Safety in Sustainable Production
- Safety Culture and Behavioral-Based Safety Approaches
- Technology and Innovation for Enhancing Industrial Safety

GUIDELINES - SUBMISSION OF ABSTRACTS

Abstracts only in **English** are accepted. It should not exceed **300 words**

Title, Name of authors, Affiliation,

Corresponding author email is mandatory

Font style should be **Times New Roman** (12 size), single space. (IEEE Format)

Send your abstracts as **MS-word** document to **conferencemech@stellamaryscoe.edu.in**

Selected abstracts will be featured in the esteemed conference souvenir with ISBN, providing a platform for authors to showcase their research contributions to a wider audience.

ABOUT

INSTITUTION

Stella Mary's College of Engineering is affiliated to Anna University, Chennai, and approved by AICTE, New Delhi. It is promoted by the Nova Educational Trust & established by the well-known business entrepreneur of Kanyakumari District, Dr. Nazerath Charles in the year 2012. The institution is accredited by NAAC in the year 2020 and the Departments of Mechanical Engineering and Computer Science & Engineering are accredited by NBA in the year 2022. The institution offers six UG programmes & three PG programmes. The institute is recognized with 4-star rating by Institution's Innovation Council and MSME incubation Centre.

DEPARTMENT

The Department of Mechanical Engineering of Stella Mary's College of Engineering was established in 2013 and thrives to accomplish its vision. The Department offers two programs such as B.E in Mechanical Engineering & M.E in Industrial Safety Engineering. ISE is a specialized program that focuses on ensuring the safety and well-being of workers, equipment and the environment within industrial settings. The graduate shall be a Safety officer, Safety Auditor, Safety Manager, HSE Engineer and HSE Consultant. The Department also organizes frequent industrial visits, subject related seminars, guest lectures, workshops, symposia etc. to enhance the subject knowledge.

CONFERENCE

National Conference on National Conference on Sustainable Engineering, Science and Safety (SESS - 2025) 28-03-2025 serves as a dynamic platform for professionals, researchers and industry leaders to explore the latest innovations and best practices in industrialization and safety engineering. As industries continue to evolve and expand it is imperative to stay abreast of cutting-edge technologies, methodologies and regulations to ensure optimal efficiency, productivity and safety standards. Throughout this conference, attendees have the opportunity to engage in insightful discussions, exchange knowledge and experiences and foster collaborations aimed at driving forward the industrial landscape while prioritizing the well-being and safety of workers and the environment.