

INCOSE Student Chapter Amrita
presents

Two-day workshop on

**MODEL BASED SYSTEM ENGINEERING APPLIED FOR
REAL-TIME INDUSTRIAL APPLICATIONS USING ARTIFICIAL INTELLIGENCE**

24 & 25 November 2023

Objective and Scope

Systems engineering is an interdisciplinary approach to design, analyse, and manage complex systems to ensure they meet their intended objectives efficiently and effectively. A deep understanding of systems engineering provides individuals with the expertise to lead and innovate in their fields, opening up diverse career opportunities and accelerating their professional growth. This workshop, with its focus on Model-Based System Engineering (MBSE) for Real-Time Industrial applications enhanced by Artificial Intelligence, is of significant importance across various streams, including Electrical, Mechanical, Aerospace, Chemical and more. It equips participants with the skills required for addressing complex real-world challenges within their specific engineering domains.

Agenda Highlights

- Introduction to Model Based Systems Engineering
- Object Process Methodology
- Safety Analysis using STPA
- System Composer
- AI/ML introduction using MATLAB for MBSE
- Testing using MATLAB/Simulink

Workshop Facilitators

Dr. Yogananda Jeppu
(Fellow, Honeywell Solutions)

Mr. Jayanth B Avanishilingam
(Sr. Engineer, MathWorks)

Registration & Payment



Scan the QR Code **or**
[Click Here](#)

Register before:
3:00 PM on
20 November, 2023

Participants must pay a non-refundable fee of ₹500 through a link that will be **available in the registration form.**

Who can Attend?

B.Tech Pre-Final & Final year students, M.Tech students, Research Scholars & Management Students.

Venue

E-Learning Centre (ELC) - 2
CIR Block

Capacity

60
(First come, first serve basis)