



# WEEKEND TALK

WEEK – 21  
No Participation Fee



## On Safety Engineering, Management and Analytics (SEMA)

Conducted under  
“AZADI KA AMRIT MAHOTSAV”  
- 75 years of India’s Independence



Centre of Excellence in Safety  
Engineering and Analytics (CoE-SEA)

Prof. J Maiti  
Chairman, CoE-SEA

Prof. O B Krishna  
Convener

### TOPIC: PREVENTION THROUGH DESIGN –TOTAL SAFETY MODEL



Mr. Nelson Davies  
Pallipuram, Scientist  
Engineer, Indian Space  
Research Organisation (ISRO)

Mr. Nelson Davies Pallipuram, Scientist Engineer, is responsible for driving safety across the Vikram Sarabhai Space Centre, Indian Space Research Organisation. He is a safety professional with experience in major engineering industries, Research and development, processing and testing of systems for Space applications. This also includes the experience in processing of Space Ordnance systems and its testing. He also functions as project manager for the green filed projects of ISRO for defining the safety requirements in the conception phase, design of process, establishing and operational phase. Any activity of ISRO’s centres has to be reviewed and cleared for the safety of work force which includes designing, processing, assembly and testing. He provides proponent support by safety engineering studies for the safety review, assessing the potential hazards and evaluating the control measures for activities at the space centre. Also proficient in design of fire protection system and innovative fire detection system with PLC.

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**Moderators:** Mom Mitra, Tata Steel, and Souvik Das (7384804020),  
Ashish Garg (7477514701), Sinjana Choudhuri, IIT Kharagpur  
**Contact us:** coesea2020@gmail.com

**Date**  
October 22, 2021

**Time**  
8.00 pm -9.00 pm (IST),  
10.30 am - 11.30 am (EDT),  
9.30 am - 10.30 am (CDT),  
7.30 am - 8.30 am (PDT),  
4.30 pm – 5.30 pm (CET)