



# WEEKEND

# TALK

WEEK – 44  
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: SAFETY DESIGN FOR PRODUCTION EQUIPMENT



**Dr. Jyoti Mukherjee**  
Reliability and Design  
Consultant for machine  
tools

Dr. Jyoti Mukherjee is a Reliability and Design Consultant for Machine Tools, highly experienced in the domains of product, service, engineering management, new business development/strategies, project/product development, and management. He did his BE from Calcutta University, Master of Technology from IIT KGP, Master of Production Management from XLRI, India, Master of Business Administration in Operation Management from Syracuse University, Master of Science in System Management from MIT, Cambridge, and Doctor of Engineering from CSU, USA. He is an innovative, analytical, and out-of-the-box thinker with several national and international patents. His fields of expertise include production machinery inventory management, machine tool system reliability management, safety evaluation and estimation of machine tool safety requirements, inventory management and principles, new business and product development, machine tool design and management, etc. He has established strategic partnerships and engineering alliances with international organizations to position common platform automotive structures and machine tool development. He has managed a team of engineers and designers to design and develop CNC lathes and milling machines, including interfacing with overseas engineers to satisfy design and manufacturing requirements and deploying project plans and research strategies for design optimization. He has worked for Ford Motor Company, USA, Makino Machine Tool, Japan, and Warner and Swasey Company for more than 30 years and for TELCO, Jamshedpur, as Maintenance Superintendent of the Automotive Plant. He was a Professional Engineer (PE) in Ohio, USA. He serves as an adjunct lecturer at the University of Arizona, Tucson, and visiting professor at the Industrial Engineering Department, IIT Kharagpur.

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**Moderators:** Mom Mitra, Tata Steel, and Souvik Das  
(7384804020), Ashish Garg (7477514701), Sween Josco,  
Sinjana Choudhuri, IIT Kharagpur

**Contact us:** coesea2020@gmail.com

**Date**  
April 01, 2022

**Time**  
08.00 pm - 09.00 pm (IST)  
10.30 am - 11.30 am (EDT)  
09.30 am - 10.30 am (CDT)  
07.30 am - 08.30 am (PDT)  
04.30 pm – 05.30 pm (CET)