

Risk Management Tutorial Synopsis

One of the most important knowledge areas in project management is the area of "Risk". Risk by itself forms the basis of the philosophy behind project handling. It is said that if one understands the risk in a project one is able to execute the project with ease and is able to control the within time and budget factors of a project. Hence teaching of risk is extremely important in project management education.

Risk as a subject that lends itself to both qualitative and quantitative analysis and hence teaching of risk is both an art and science.

This tutorial aimed at teachers who will be involved in teaching risk to the undergraduate and graduate students looks at the methodologies of imparting the foundations of the subject through various teaching tools starting with quiz, case studies, and through tools that can simulate and also estimate risk through data analysis and predictions.

The tutorial follows a format of limited inducing lecture followed by hands on problem solving and finally demonstrating the simulation tools that are commercially available for teaching and use.

"At the end of the Tutorial session participants will be able to:

1. Understand the Pedagogical methodologies for teaching risk as a subject.
2. Will have fairly good understanding of the tools and techniques used in teaching risk management
3. Will get exposed to the creation of course materials for teaching risk."

All participants are expected to have a basic understanding of probability and basics of quantitative techniques like decision tree, Monte Carlo simulation.



Prof. Krishna Moorthy

Prof. Krishna Moorthy is the founding dean of the Sunpharma Academy, being established at Baroda by Sun Pharmaceuticals Ltd (www.sunpharma.com) as an in house academy, for the educational needs of Sun Pharma employees.

Focused on technology education, the in house academy is expected to deliver multiple levels of programs for Sun Pharma employees for their knowledge and skill up gradation throughout their career on a continuing basis.

Prior to this assignment he was instrumental in creating the Larsen&Toubro Institute of Project Management (www.lntipm.org). This one of a kind institution was created for imparting project management education to L&T employees at all levels.

In Project Management area his teaching and research interests are in the following areas: Risk, Estimation, Bidding Project management metrics and tools.

His teaching experience is in these areas and he has introduced innovative multi modal teaching techniques including quizzes/simulation etc in the area of Risk.

He has published papers in the area of project management, technology management and risk. His work book created along with Prof. Vinit Thakur on teaching risk management to senior practising is currently accepted as a standard class room resource in teaching risk. He is in the final stages of publishing his book "Risk Management in projects-the Indian context"

He has also edited books on case study and "L&T Case studies in Engineering Project management is his recent contribution to the Indian case repository

In addition to his industrial experience in USA and Europe, He has been involved in educational initiatives in France, Hungary and India.

In his current assignment he is looking at project management methodologies in Indian Pharma sector with focus on risk management.

He is a member of the Academic Advisory group of PMI, India and is a regular attendee at various academic research conferences across the world.

He holds an **MS in electronics and MBA degree** in addition to a postgraduate diploma in computing along with **Ph.D** from the University of Twente, Enchede, The Netherlands, his research areas include digital age models for product development and risk management in new product development His experience of several years spans both Industry and academics