INTENDED AUDIENCE: Any Interested Learners

INDUSTRIES APPLICABLE TO: Many industries and institutes recognize the need for technology forecasting, e.g. - manufacturing, ICT

COURSE OUTLINE:
How to strengthen strategic decision-making with reliable technological forecasts? Numerous quantitative methods are available for predicting future demands and short-term changes. These methods, however, have limited application for such a question. The need is to combine the advantages of qualitative methods and explorative qualitative methods for long-range technological forecasting. A structured methodology can be applied for this purpose. In this course, you will learn a combination of the technique ?Extrapolation with S-curves? and a network of problems using practical case studies

ABOUT INSTRUCTOR:
Prof. Bala RAMADURAI is an independent innovation consultant and professor. He has 3 patents to his credit and 10+ publications in international research journals. He co-founded TRIZ Innovation India (http://trizindia.org) and is an Adjunct Professor at Symbiosis Institute of Business Management, India. He is also the chief mentor for Knoin electronics (https://knoin.org) He has a PhD from Arizona State University, USA, and a B.Tech from IIT Madras, India.

Prof. Dmitry KUCHARAVY does his research in the HUMANIS laboratory at EM Strasbourg (University of Strasbourg). He teaches technology foresight, knowledge economy and innovation & strategy. His research focuses on reliable forecasting of technological change and logistics warehouse design.

COURSE PLAN:
Week 1: Introduction to Technology Forecasting (TF)
Week 2: Case Studies and Structure of the Course - introduce models (using process)
Week 3: Setup of a TF Project (introduce process - using models from Week 2)
Week 4: Qualitative Forecast, Quantitative Forecast and Wrap Up