Talk on "Introduction to TIMES"

Date: June 1, 2017   Venue: CSTEP

Dr Amit Kanudia, Advisor at CSTEP conducted a workshop on "Introduction to TIMES". His talk was preceded by a presentation on "Introduction to Energy System Modelling" by Shweta Srinivasan, Senior Research Analyst and Nikhilesh from CSTEP, Bangalore. A brief overview of the presentations is provided below.

The energy modelling workshop here at CSTEP started with a presentation on basics of energy systems and various approaches to modelling by Nikhilesh and Shweta. During the presentation, the need for energy system modelling and the various tools being used for this purpose were also discussed. This opened up the audience to topics of reference energy systems, general and partial equilibrium models and bottom up and top down approaches to modelling. This was followed by a brief overview of nomenclature of TIMES (a prominent tool) and CSTEP's application of TIMES in various projects such as 'Quality of Life for All: A SD framework for India's Climate Policy', 'Transition to Green economy in Karnataka', etc.

The presentation was followed by a session titled "Introduction to TIMES" by Dr. Amit Kanudia.

Dr Kanudia is an expert on optimisation of models for techno-economic analysis of energy-environment systems, in the context of climate change and data handling systems, as well as modelling with TIMES. He has authored and co-authored various textbooks and research papers on this topic. He is also a Partner at KanORS-EMR, India and an Advisor at CSTEP.

During his presentation Dr Kanudia touched upon the basic theory behind TIMES modelling and stressed on setting setting clear policy goals. He said this can lead to robust policy formulation, through sound modelling and analysis. He elaborated on the economic rationale in TIMES modelling and various concepts of processes, technologies and commodities within TIMES, citing examples from a model of Japanese energy system. The presentation concluded with feedback from participants as well as the speaker for more such sessions on 'Modelling with TIMES' in future.