



National Productivity Council

(Under DPIIT, Ministry of Commerce & Industry, GoI)
Dr. Ambedkar Institute of Productivity
Chennai.

Registration Fee: Rs. 99 /-

Webinar on

“Green Buildings - Energy System Modelling, Optimisation and Control”

About Webinar:

Buildings account for about 30 - 40% of the world's energy use. The demand for energy in buildings will increase to about 50% by 2060, as per the estimates of International Energy Agency (IEA).

In order to improve energy efficiency and attain sustainability, different control techniques and intelligent technology is to be implemented in buildings. Building Energy Control Systems (BECS) is one of the entities in building energy management, which aims to ensure operational performance of the building energy systems along with safety and comfort.

Development of a reliable building energy model is a fundamental challenge; the discussions will focus on formulating energy transfers in all the elements of a building, PID-controlled HVAC system, energy optimisation, active occupancy schedule and controls.



Webinar Coverage:

Introduction to Green Buildings, Building energy statistics, Building energy modelling and simulation, Energy optimization with Intelligent modelling, estimation with computational demand, Occupancy comfort analysis and management through smart building energy control.

Expert Speaker & Profile:

Dr. V.S.K.V. Harish, Assistant Professor, Department of Electrical Engineering, Pandit Deendayal Petroleum University, Gandhinagar. M.E. (Gold Medalist), PhD (IIT Roorkee). Worked as Post-Doctoral Fellow at TERI School of Advanced Studies under the Netherlands government-sponsored collaborative project titled “Developing and implementing smart grids for India”. Recipient of best paper awards, young energy researcher award and international travel awards. Research interests in Microgrids and Rural Electrification, building energy systems and has many publications in international journals to his credits.



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Thanks & Regards,

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