

CTIER

SEMINAR SERIES

September 2022



Sanjaya Kumar Malik
Institute for Studies in
Industrial Development (ISID), New Delhi

Harnessing The Potential of Industry 4.0 Technologies: Evidence from Indian Start-Ups

Sanjaya will present findings from his current work, "Harnessing The Potential of Industry 4.0 Technologies: Evidence from Indian Start-Ups."

Abstract: Industry 4.0 (IR4), which is blurring the boundary of the physical and digital world, is a fusion of old and emerging technologies (e.g. AI, IoT, robotics, additive manufacturing, blockchain, etc.). If IR4 technologies are effectively harnessed, they can lead to phenomenal productivity growth, facilitate efficient and sustainable usage of resources, enable predictive maintenance, empower us detecting diseases and responding to the public health emergencies and thereby bringing considerable progress in our lives. Analysing the IR4 start-ups in India, I delineate that the IR4 technologies are diffused into several economic activities (e.g. agriculture, manufacturing, tertiary activities). Nonetheless, these start-ups are in validation and early traction stages, around one-third of them are earning sustainable profits. The slow harnessing of IR4 technologies is mostly because of the poor diffusion of ICT and inadequacy of required skills in India. Hence, a universal internet access and retrofitting government programme for skill upgradation are crucial to the successful diffusion of IR4 technologies.



DATE

September 14th

TIME

6.00-7.00 p.m.