



Low Cost Automation, JIT and Industry 4.0

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**NATIONAL PRODUCTIVITY COUNCIL
REGIONAL DIRECTORATE
4TH FLOOR, KABIR BHAWAN
G.T. ROAD, KANPUR -208 005 (U.P.)**

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SERIES**

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Low Cost Automation, JIT & I 4.0

- Low cost automation can be understood as the replacement of muscular and mental effort by the use of simple pneumatic, electric, hydraulic, and mechanical components/ devices in manufacturing, including assembly operations.
- The Fourth Industrial Revolution, commonly referred as "Industry 4.0" (I 4.0) refers to the combination of several major innovations in digital technology. Robotics, machine learning, software-as-a-service and the Industrial Internet of Things enable a powerful new way of organizing manufacturing operations.
- In present manufacturing scenario, the manufacturing firms can smartly utilise the flexibility options by using Low Cost Automation along-with I 4.0 technologies for being competitive as well as being JIT compliant.
- The combination of low cost automation, poka-yoke, RFID tagging, GPS tracking and synchronization of data can enhance on time delivery performance.

SPEAKER

Shri Alok Srivastava

Director (Grade-II)

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