



DCI 4.0
Smart Manufacturing...

CEFTI

Smart Manufacturing Demo and Development Cell (SMDDC)

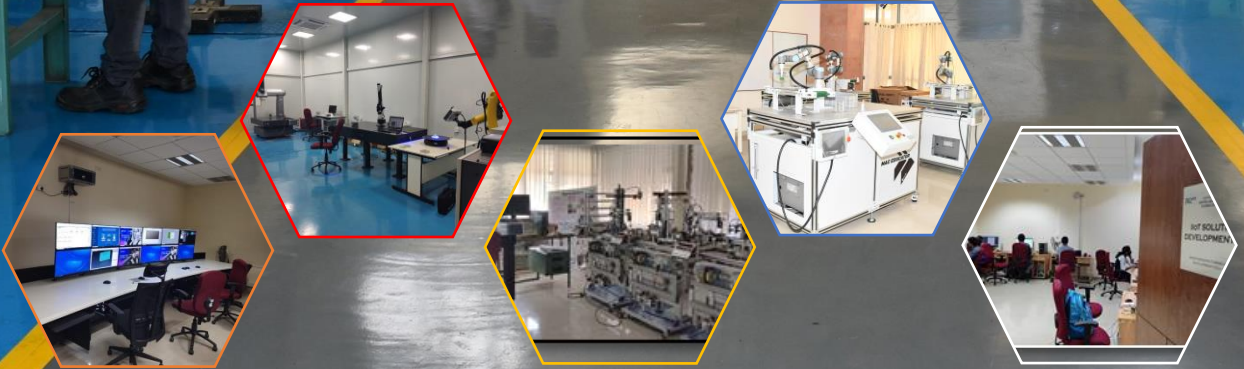
A CEFC of MHI, Govt. of India on Industry



Smart Metal Working Workshop



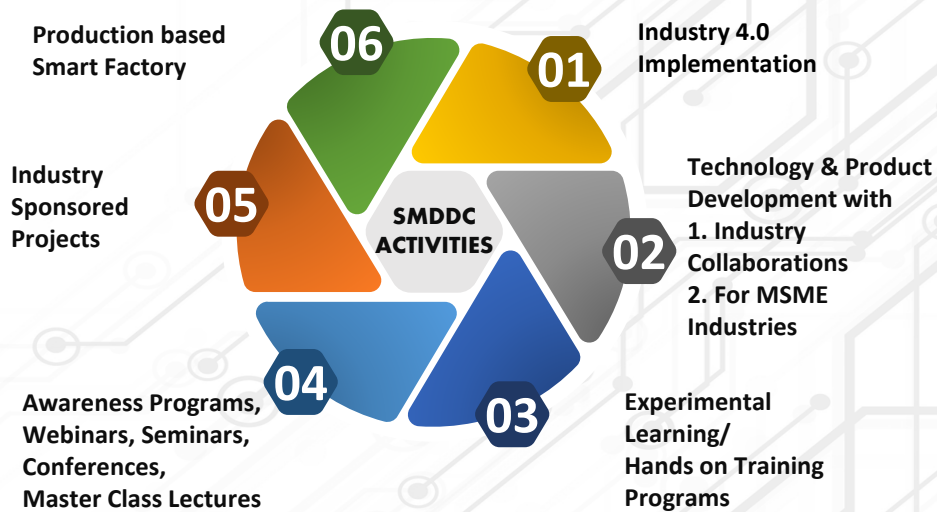
Experience the smart connected technologies of Smart Manufacturing & Industry 4.0



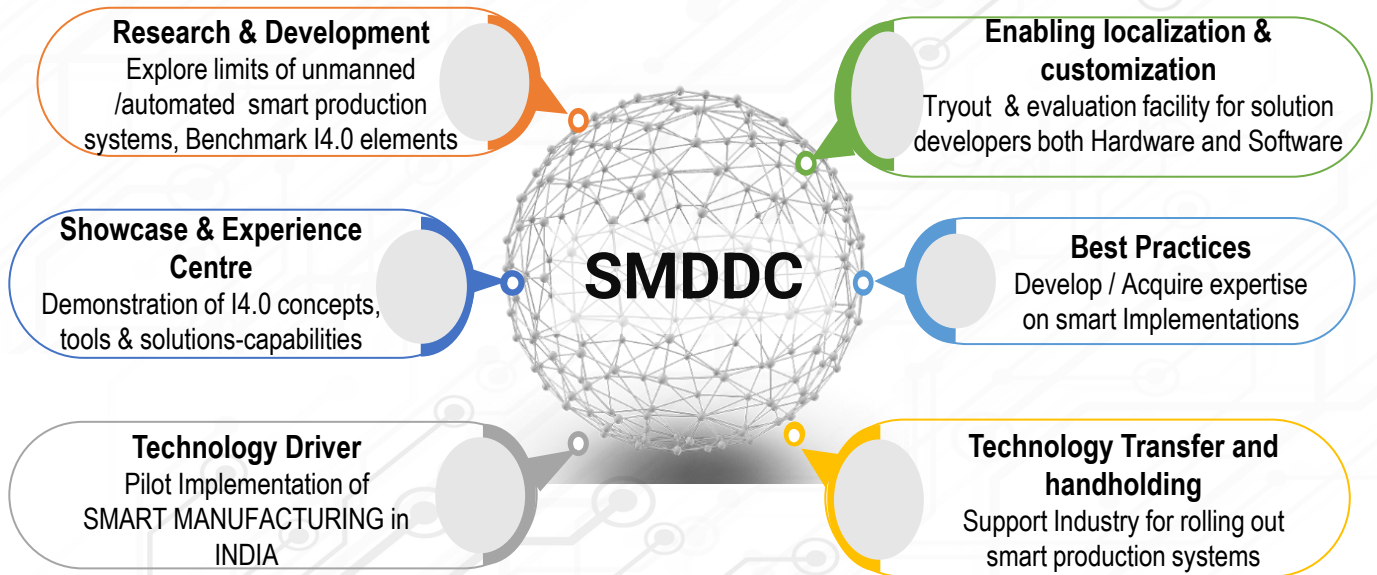
About SMDDC

- ❑ A Common Engineering Facility Centre (CEFC), under the SAMARTH Udyog Bharat 4.0 Platform of Ministry of Heavy Industries (MHI) Govt. of India, to develop, propagate and support the process of adoption of smart manufacturing practices by Indian manufacturing industry.
- ❑ A production oriented IIoT enabled smart factory connecting Design, production, quality assurance and maintenance functions for metal cutting, additive manufacturing & sheet metal cutting processes
- ❑ Platform for Development, testing & validation of Industry 4.0 products and solution
- ❑ Customization & rollout of IIoT and smart manufacturing solutions for MSMEs
- ❑ Experimental learning labs for Cobots/Robots, Mechatronics and automation, Hydraulics and Pneumatics, Control Systems, AR & VR for Skill development

SMDDC Activities



Propagation of Industry 4.0 practices by SMDDC



Technology and Product Development

We develop technologies, products and solutions, related to smart manufacturing and Industry 4.0, in collaboration with industries, with focus to meet requirements of Indian manufacturing industries to implement the smart solution in their organisation.

Few of the developmental activities that are carried out under this centre

- Development of IIOT solutions for legacy machines.
- Development of smart machines
- Development of smart machine tool aggregates
- Development of intelligent machining modules for CNC metal cutting applications.
- Development of IIoT enabled comprehensive condition monitoring module for machines

Our Collaborators



Indian Machine Tool
Manufacturers' Association



SIEMENS



Some of our Sponsored Projects



सत्यमेव जयते

Department of Science and Technology
Ministry of Science and Technology
Government of India



CSIR-NIIST



IIT Indore



Training & Awareness Courses

- ❖ Regular & Exclusive Training Programmes on Smart Manufacturing and Industry 4.0.
- ❖ Awareness Programmes on Industry 4.0.
- ❖ Conferences on Industry 4.0 and Smart Manufacturing.



SMDDC Training Programmes

Few institutes who are benefitted with our skill development program



Quality, Technology and Innovation



British Deputy
High Commission



TATA CONSULTANCY SERVICES



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(An autonomous R&D Institute under
Ministry of Heavy Industries, Govt. of India)
Tumkur Road, Bangalore-560022



CMTI



CMTI IIOT