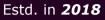
CENTRE OF EXCELLENCE IN ADVANCED MANUFACTURING TECHNOLOGY

- Industry focused Research Centre

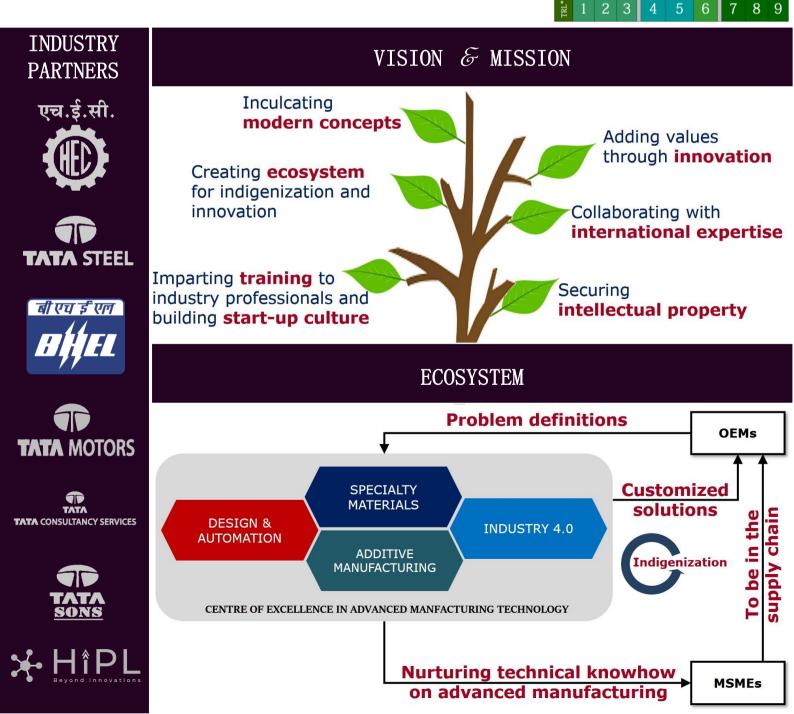


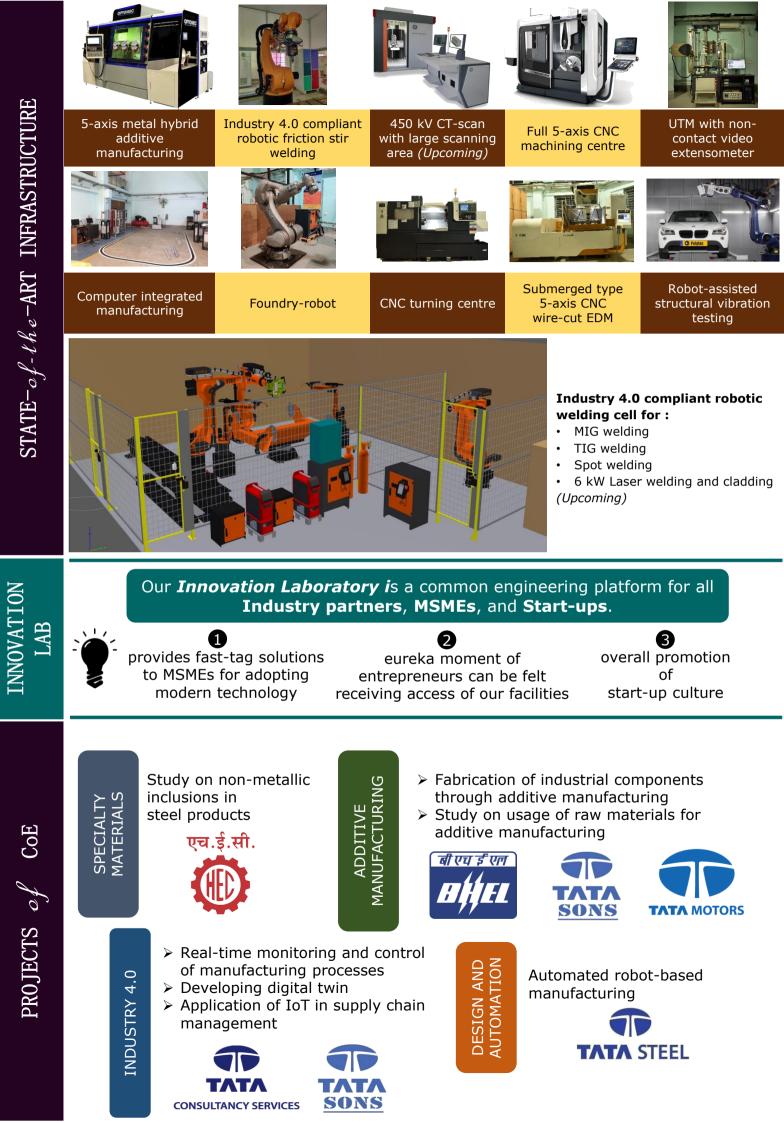
Our CoE has been established receiving support from *Department* of *Heavy Industry, Govt. of India*, & a consortium of top industries to drive innovative & advanced research for manufacturing industries.



Dedicated in providing industrial solutions

Visioning to become a *Manufacturing Catapult* in TRL 4-6





PROGRAMMES CONDUCTED

1. Short-term course on "Composites 4.0", Aug 20-23, 2019



Speakers in the programme: ✓ Airbus India

- ✓ TATA Autocomp Systems
- ✓ Composites World
- ✓ University of Southwales
- ✓ University of Nottingham
- ✓ IIT Kharagpur

Participants :



Industry professional

2. One-day workshop on "Metallography", Sep 20, 2019



Organized jointly by : Struers & CoE in AMT

Lecture sessions by renowned Metallographer, George Vander Voort

Participants :



- Research scholar
- Industry professional
- Faculty

3. "3-weekend training programme on CNC", Nov 16-17, 23-24 & 30-Dec 1, 2019



Participants :



Research scholar Industry professional

Participants :

Research scholar Industry professional

Undergraduate

• Faculty

Diploma

Faculty

4. "Training programme on CNC", Feb 17-21, 2020



UPCOMING PROGRAMMES





A multi-sensor based system for real-time monitoring, prediction, & control of weld quality in friction stir welding process (Jointly with Tata Consultancy Services)



IT KHARAGPUR DEVELOPS NOVEL INDUSTRY 4.0



IIT- Kharagpur develops novel Industry 4.0 tech for advanced manufacturing sector

ABPEDUCATION

Innovation by IIT Kharagpur and TCS to usher new trends in advanced manufacturing sector



Method and system for multi sensor fusion using transform learning (Jointly with Tata Consultancy Services)

Low-cost industry 4.0 solution for quality inspection

DATAOUEST

IIT Kharagpur Researchers Develop Lowcost Artificial Intelligence-enabled Industry 4.0 Software for Real-time Inspections

Business Standard

IIT KGP devices AI-based system to inspect quality of MSME goods

地 Hindustan Times

IIT KGP devices AI-based system to inspect quality of MSME goods



Dr. Ramesh Pokhriyal Nishank
@DrRPNishank · Dec 6, 2020 •••• .@IITKgp has developed an #AI-based solution for real-time metrological inspection. The software can be deployed in the production line to check the quality of jobs. @IITKgp has filed a patent & made the innovation available for #MSMEs to license.

Algorithm developed to boost profit in India's manufacturing sector (Jointly with Tata Metaliks & Tata Sons)

DATAOUEST

IIT Kharagpur and Tata Metaliks jointly develop predictive maintenance algorithm to improve profitability of production jobs

TODAY

IIT Kharagpur and Tata Metaliks jointly develop algorithm to boost profits in India's manufacturing sector



Dr. Ramesh Pokhriyal Nishank ② @DrRPNishank · Dec 15, 2020 ···· Researchers at @IITKgp have developed an algorithm to boost profits in the #manufacturing sector. Their module has been successfully tested by #Tata Metaliks for user-level acceptance.



Professor Surjya K Pal

Reach us :

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