



Technology in Harmony with Human Needs

INDUSTRY OPPORTUNITY IN SMART MANUFACTURING IIT MANDI IHUB AND HCI FOUNDATION

BACKGROUND

Human-Computer Interaction (HCI) plays an important role in developing and implementing smart manufacturing systems. Reduction in training time, increase in overall efficiency, and enhancing the safety of the manufacturing processes are some of the benefits derived from HCI. This is an initiative by one of the southern states in India, which is helping address the goal of Atmanirbharta of the Government of India in the field of manufacturing.

REQUIREMENT

The requirement is to build a pool of experts to develop the skills and expertise across 250 industrial institutes covering 10,000 students in India. The Key areas of work would be:

- » Smart Advanced Manufacturing Technology
- » Advanced Modeling Environment for Simulation (AMESIM)

This is a **fully-funded** initiative. **We are seeking the representation from Faculty, Post-Graduate, and Graduate students to participate, contribute and develop these areas of expertise.** The objective of the program would be addressed through the leadership of designated faculty for industry adoption.



OPPORTUNITY

The opportunity would be to develop the HCI skills and expertise of students and professionals in manufacturing science on the leading industry software "**Tecnomatix Plant Sim**".

QUALIFICATIONS

Graduates and Postgraduates in Mechanical and Production and Manufacturing Engineering

ESSENTIAL

- » Minimum 1-3 years of experience in CAD/NX/Tecnomatix
- » Ability to study and interpret mechanical engineering documents and drawings

DESIRED

Knowledge of Process Simulation / Human Ergonomics / Siemens NX / Tecnomatix Plant Simulation / RobCAD / NX / Simcenter

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