



Late Shri. Vishnu Waman Thakur Charitable Trust's

## VIVA Institute of Technology

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### Department of Mechanical Engineering

<b>Topic Name:</b>	Industry 4.0 and its Implementation in Indian Small Scale Manufacturing Industries
<b>Name of the Guest Speaker:</b>	Mr. Bhaveshkumar Pasi
<b>Designation:</b>	Phd Scholar
<b>Organization/Institution:</b>	Tata Steel
<b>Date:</b>	24/03/2022
<b>Time:</b>	10.00 – 12.00

### Programme Summary/Details:

The guest lecture on the topic of Industry 4.0 and its implementation in Indian small scale manufacturing industries provided valuable insights into the transformative potential of this fourth industrial revolution and its implications for small-scale manufacturers in India. The lecture covered key aspects such as the concept of Industry 4.0, its core technologies, benefits, challenges, and strategies for successful implementation.

The guest speaker began by introducing the concept of Industry 4.0 as a fusion of digital technologies and manufacturing processes. They discussed how technologies such as the Internet of Things (IoT), artificial intelligence (AI), robotics, cloud computing, and data analytics are reshaping the manufacturing landscape. The lecture highlighted the potential of these technologies to enhance operational efficiency, productivity, and competitiveness.

The guest speaker emphasized the benefits that small-scale manufacturing industries in India can gain from adopting Industry 4.0 practices. They discussed how automation and digitization can optimize production processes, reduce waste, improve product quality, and enable real-time monitoring and predictive maintenance. The lecture also highlighted the potential for small-scale manufacturers to leverage data analytics to gain actionable insights and make informed decisions.

### Photos:

