

1. Name of the event : **Alumni Talk : Industry 4.0**

2. Brief description of event : Use AI tools (chatGPT, Gemini, Claude) for content creation & also specify # tags.

## **Alumni Technical Talk Report**

**Department of Mechanical Engineering, KLS VEDIT, Haliyal**

**Date:** 02/09/2025

**Venue:** Block No. 15

**Speaker:** *Mr. Sandeep Patil, Senior Manager – LCV, Tata Motors Ltd., Dharwad & Alumni (Batch 2013)*

**Topic:** “*Industry 4.0*”

The Department of Mechanical Engineering organized an **Alumni Technical Talk** for second- and third-year Mechanical Engineering students. The session was delivered by **Mr. Sandeep Patil**, Senior Manager, LCV, Tata Motors Ltd., Dharwad, and a proud alumnus of the 2013 batch of KLS VEDIT, Haliyal. The talk was held on **02 September 2025 at 09:30 AM** in **Block 15**, with the participation of **more than 70 students and 09 staff members**.

### **Session Highlights**

Mr. Sandeep Patil delivered a comprehensive **bird’s-eye view of Industry 4.0**, the fourth industrial revolution driven by cutting-edge technologies such as:

- Internet of Things (IoT)
- Artificial Intelligence (AI)
- Big Data and Analytics
- Cloud Computing
- Cyber–Physical Systems

He elaborated on how these technologies enable the creation of **smart and intelligent factories**, promoting automation, real-time data exchange, and seamless system integration.

The speaker emphasized the major **advantages of Industry 4.0**, including enhanced productivity, improved operational efficiency, sustainability, innovation, and the possibility of mass customization in modern manufacturing.

Mr. Sandeep Patil also encouraged students to **build a strong LinkedIn profile** and to take up **upskilling opportunities** through platforms like **NPTEL, Coursera**, etc. He interacted enthusiastically with the students, providing real-time industry insights and motivating them to align themselves with emerging technological trends.

### **Coordination**

The event was conceptualized and coordinated by **Prof. G. R. Sattigeri**, who also welcomed and introduced the speaker.

**Dr. K. S. Pujari**, Head of the Department of Mechanical Engineering, addressed the gathering, urging students to make maximum use of the speaker's expertise. He also proposed the formal **Vote of Thanks**.

## Acknowledgment

We express our heartfelt gratitude to our **beloved Principal, Dr. V. A. Kulkarni**, and the **Management** for their continuous support in organizing such meaningful technical events that strengthen institute–industry interaction.

We also thank **Dr. K. S. Pujari, HOD, Mechanical Engineering**, for his guidance in successfully arranging the Alumni Talk.

3. Name of the Resource person to be tagged: **Mr. Sandeep Patil , Senior Manager, LCV ,Tata motors Ltd, Dharwad and 2013 batch alumni of KLS Vdit Haliyal**

4. Relevant Photos (Good quality) of the event without Geo Tag

