



**Wissen Baum Engineering Solutions**

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# **BEL Batch 4 Training Report**

**Date: 22 April 2023**

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**Wissen Baum Engineering Solutions**

Germany | USA | India

Training No: WB\_PD\_001



## Executive Summary

This report was prepared to provide information on the “Basics of Plastic Product Design” program conducted on 22<sup>nd</sup> April 2023. Recommendations include the continuity of the program and the creation of training activities

## Objectives

The training plan’s objectives were:

- To brush up the “**Basics of Plastic Product Design**” knowledge to Batch 4 team (Freshers)

## Background:

- Design Engineers working as an onsite support to BEL (Batch 4: Freshers) facing challenges in basics of plastic product design.
- On the request of client and as a continual improvement process the training of Basics of Plastic Product Design is planned

## Training Date:

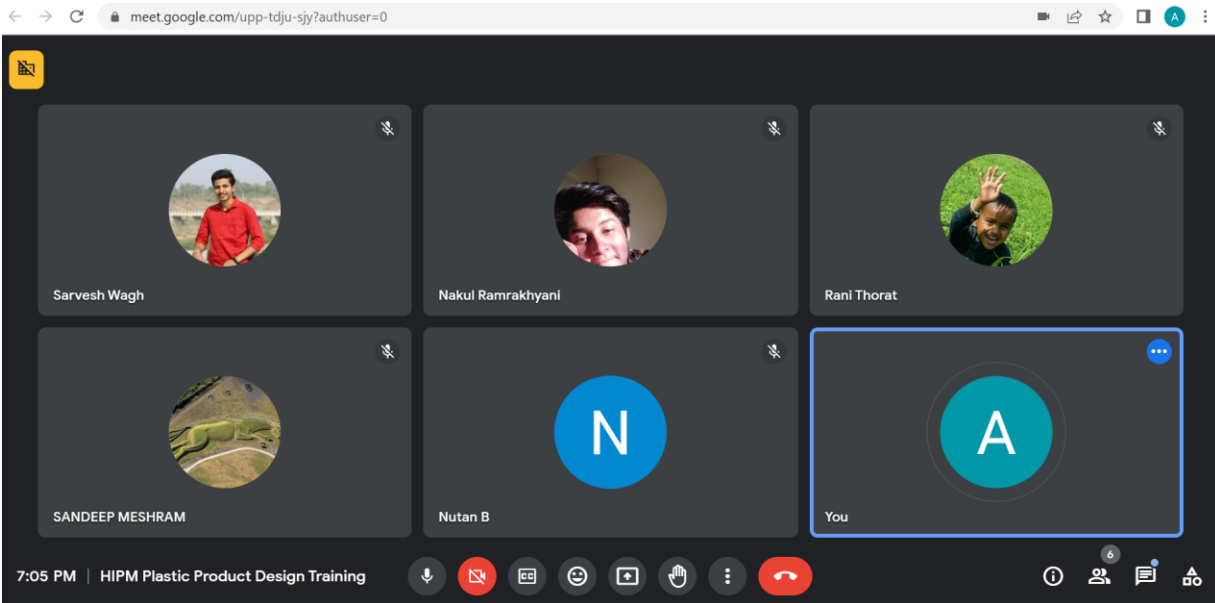
- 22<sup>nd</sup> April 2023

## Trainer:

- Aniket Jadhav
- Sandeep Meshram

## Attendees:

- **Nakul R**
- **Sarvesh W**
- **Rani T**
- **Rupesh M**



## Mode / Methodology

- Online Mode

## Training Content:

- Basic information about plastic family
- Advantages of plastic over metal
- Overview of High-Pressure Injection Molding Process
- Terminologies:
  - Injection Molding
  - Mould/ Die/ Tooling
  - Cavity
  - Core
  - Gate
  - Rib
  - Boss
  - Draft
- Design Guidelines for plastic product
- Design Features
  - Walls
  - Coring
  - Ribs & Gussets



- Boss
- Corners
- Draft angles
- Holes
- Undercuts

**Way Forward:**

- Training on Injection molding tooling characteristics