BRACT's Vishwakarma Institute of Technology, Pune

AY 2025-26 SEM-II

Industry Visit Report

INDUSTRY VISIT & Project Delpoyment REPORT

Company Name: Forbes Marshall, Pune

Location: Dehu Road, MIDC Area, Chakan, Pune

Date of Visit: 06/03/2026

Organized By: Dr. Namrata Wasatkar, A

Faculty: Mrs. Grishma Bobhate

List of Students:

Sr. No.	Roll no	PRN	Name of the students
1	391037	22311400	BAGUL VEDANT KISHOR
2	391041	22311410	PAWAR PIYUSH BALASAHEB
3	391050	22311669	PATIL YASHASHRI SANJIV
4	391073	22420146	CHOPADE PRAJWAL SHRIKANT
5	391076	22420183	DESHPANDE TANMAY SADANAND
6	391006	22310157	VAIDEHI SANJAY ATRAM
7	391022	22310510	PAWAR GAYATRI PRATAP
8	391033	22311053	VARUTE SHREYA SARJERAO

Objective:

1. **To review the progress of ongoing projects based on Tableau productivity Index on SSD.**
2. To design a **Tableau-based productivity index model** integrating FG Completion, Trim Mapping, Manpower Attendance, and Index Factors.
3. To showcase the development of a provided **unified dataset from the forbes marshall** using data cleaning and transformation techniques in Tableau Prep and analyze the **relationship between manpower utilization and productivity performance**.
4. To create **interactive dashboards** for real-time monitoring using Tableau Public and provide a **customized analytical solution** tailored to SSD operations, overcoming limitations of generic BI dashboards.

Discussion Points:

- The absence of a **centralized and structured dataset** for productivity and manpower analytics leads to inefficiencies in decision-making.
- Existing BI tools offer generalized insights but fail to address **domain-specific mappings** such as FG–Trim relationships and index-factor-based productivity.

- The integration of multiple datasets (FG, Trim, Manpower) highlights the importance of **data preprocessing and ETL workflows**.
- The proposed system demonstrates how **lightweight BI solutions** can replace costly Industry 4.0 infrastructures while still delivering actionable insights.
- Visualization through KPIs, filters, and charts enhances **interpretability for supervisors and operational managers**.
- The model supports **data-driven decision-making**, improving workforce planning and operational efficiency.

Faculty Contribution:

· Guided the **problem formulation** and identification of research gaps in productivity analytics.

· Provided expertise in **data preprocessing, ETL design, and Tableau implementation**.

· Assisted in defining **relevant KPIs and index factors** aligned with industry requirements.

· Reviewed and validated the **methodology, dashboard design, and analytical approach**.

· Offered continuous feedback to improve **report structuring, visualization clarity, and result interpretation**.

· Ensured alignment of the work with **academic standards and industry expectations**.

Activity conducted during Visit

Project Presentation

We presented our project "Tableau Based Productivity Index" to the SSD team. The presentation focused on explaining the objective of the system, its workflow, and how it can support tableau based implementation by providing dashboard design, and analytical approach.

Feedback and Technical Inputs

The SSD team gave very positive feedback on the project and appreciated its practical usability in real industrial environments. They found the solution useful and well-designed, and also suggested a few improvements to better align it with their existing workflow and ETL design, and Tableau implementation.

Suggestions by the Forbes Marshall team:

- Improve system functionality by adding Google Drive video upload, testing tools, and clear quality checkpoints.
- Improve overall efficiency by simplifying features and ensuring better organization of tracking processes.

Learning Outcomes

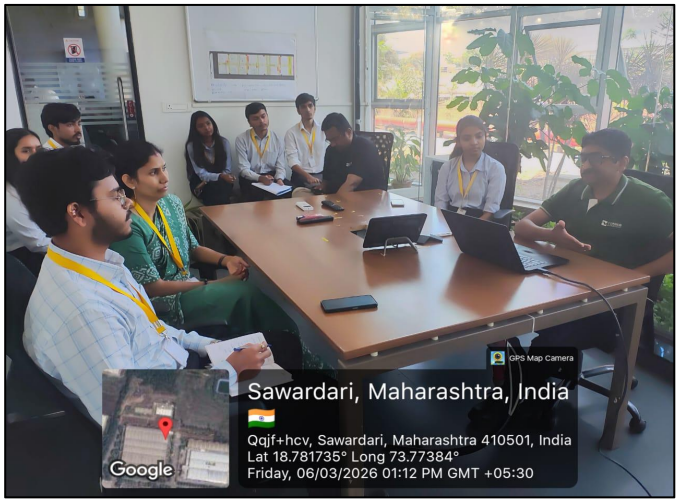
The visit helped us:

- Understand real-world operations workflows in an industrial environment
- Identify integration challenges for structured ETL-to-visualization pipeline.
- Receive expert feedback for improving system compatibility
- Observe workstation-level implementation requirements

Conclusion: The proposed Tableau-based productivity index system effectively transforms raw operational data into meaningful insights through a structured ETL-to-visualization pipeline. By integrating multiple data sources such as FG Completion, Trim Mapping, and Manpower Attendance, the system enables a comprehensive understanding of productivity dynamics. Unlike conventional BI dashboards, this customized approach addresses domain-specific requirements, providing actionable intelligence for supervisors and decision-makers. Overall, the model enhances operational efficiency, supports data-driven workforce management, and lays a strong foundation for future advancements in industrial analytics.

Glimpses of Visit:


GPS Map Camera
Sawardari, Maharashtra, India
Qqjf+hcv, Sawardari, Maharashtra 410501, India
Lat 18.781725° Long 73.773824°
Friday, 06/03/2026 03:35 PM GMT +05:30
Google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GPS Map Camera
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GPS Map Camera
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