



## Writeup on PORT VISIT

### PGDM- International Business Program, 2024-26 batch

#### Visit JNPT DP World Mumbai

On 21 January 2025, students of 2024-26 batch visited Mumbai Port and industry. As part of the PGDM (International Business) curriculum at BIMTECH, students are encouraged to gain firsthand exposure to global trade, supply chain operations, and cutting-edge manufacturing processes. In pursuit of this goal, students recently visited JNPT DP World Mumbai, India's premier container terminal. This visit provided a comprehensive understanding of India's evolving trade infrastructure and its growing influence in high-tech manufacturing.

#### JNPT DP World Mumbai: The Backbone of India's Maritime Trade

Located at Jawaharlal Nehru Port Trust (JNPT), DP World Mumbai plays a pivotal role in handling India's containerized cargo. As part of the DP World global network, it is renowned for its state-of-the-art automation, high operational efficiency, and commitment to sustainable logistics.

#### Key Highlights of the Visit

##### 1. Strategic Importance in Global Trade

- JNPT handles nearly 55% of India's total containerized cargo, making it the busiest port in the country.
- DP World Mumbai, also known as Nhava Sheva International Container Terminal (NSICT), manages an annual capacity of 2.2 million TEUs (Twenty-foot Equivalent Units).
- It facilitates seamless connectivity with over 200 ports across 50+ countries, strengthening India's position in global trade.

##### 2. Advanced Technology & Automation

- The terminal is equipped with Automated Rubber-Tyred Gantry (RTG) Cranes, enabling higher container stacking and better yard utilization.
- AI-powered container tracking systems and Electronic Data Interchange (EDI) reduce paperwork and improve efficiency.
- The recent introduction of the "Smart Freight Corridor" has significantly reduced turnaround time for cargo movement.

##### 3. Sustainability & Green Logistics

- The port operates under the Green Port Initiative, integrating solar power, waste recycling, and fuel-efficient machinery.

- DP World Mumbai is working towards becoming a net-zero emissions terminal by 2035.
- 30% of total energy consumption is already sourced from renewable sources, reducing the carbon footprint.

#### 4. Efficiency & Scale

- The terminal processes an average of 5,000 containers daily, ensuring smooth logistics for industries like automotive, textiles, and electronics.
- Customs clearance efficiency: With direct port delivery (DPD) and direct port entry (DPE) models, clearance time has been reduced by 40%, promoting faster trade cycles.
- Blockchain-enabled trade solutions ensure end-to-end cargo visibility, minimizing delays and boosting supply chain transparency.

#### Key Takeaways from the JNPT DP World Visit

- India's Global Trade Hub: With its advanced infrastructure, JNPT is a key driver of India's export-import ecosystem.
- Tech-Driven Supply Chain: AI, automation, and blockchain are revolutionizing port operations, reducing costs and improving efficiency.
- Sustainability Matters: The port's commitment to green logistics highlights the future of environmentally responsible trade operations.

#### **Conclusion**

The visits to JNPT DP World Mumbai was a transformative learning experiences, providing deep insights into international trade, automation in logistics, and technological advancements in manufacturing. As PGDM (IB) students, these interactions have enriched our understanding of supply chain management, global trade policies, and emerging trends in high-tech industries.

We extend our gratitude to the faculty at BIMTECH for facilitating this industrial exposure and to the teams at DP World Mumbai for their insightful discussions and warm hospitality.

These visits have reinforced our commitment to innovation, sustainability, and operational excellence, preparing us to navigate the complexities of the international business landscape with confidence and expertise.