|  |  |
| --- | --- |
| Name Of the Student | Dev Rakesh Singh |
| Internship Project Topic | RIO-125: Forecasting System - Project Demand of Products at a Retail Outlet Based on Historical Data Batch 01 |
| Name of the Organization | TCS |
| Name of the Industry Mentor |  |
| Name of the Institute | Vishwakarma University |

|  |  |  |
| --- | --- | --- |
| Date | Day 1 | Hours Spent |
| 8-08-2023 | 23 | 3 |
| Activities done during the day:  On Day 23, I continued the work initiated on the previous day, focusing on making predictions and refining the Exponential Smoothing model's performance. In the first hour, I extended my predictions to cover all products in the dataset, ensuring a comprehensive view of the model's forecasting abilities.  The second hour was dedicated to a thorough comparison of the model's predictions with actual historical sales data. I closely analyzed the discrepancies and patterns to gain insights into the model's strengths and weaknesses.  In the third hour, I continued fine-tuning predictions, with a particular emphasis on products displaying notable seasonality. Adjusting the model's parameters aimed to bring predictions closer to actual sales figures.  Day 23 marked a significant phase in the project, with the model actively generating predictions for a wide range of products. The comparison with historical data provided valuable feedback, enabling me to make targeted improvements to enhance forecasting accuracy. | | |