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| Name Of The Student | Suresh Hastimal Jat |
| 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 |

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| Date | Day # | Hours Spent |
| 10-08-2023 | 25 | 3:30 |
| Activities done during the day:  On Day 25, I further refined predictions and analyzed the performance of the Exponential Smoothing model. In the first hour, I continued to generate forecasts for all products in the dataset, ensuring comprehensive coverage.  The second hour was dedicated to an in-depth analysis of the model's predictions in comparison to actual historical sales data. This examination provided crucial insights into the model's strengths and areas for enhancement.  In the third hour, I concentrated on fine-tuning predictions, paying particular attention to products exhibiting pronounced seasonality. The process of adjusting parameters aimed to bring predictions in closer alignment with actual sales trends.  Day 25 marked an important milestone as the model actively produced predictions for a diverse range of products. The rigorous analysis of its performance against historical data allowed for targeted improvements, setting the stage for further model optimization. | | |