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| Name Of the Student | Dev Raskesh 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 |

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| Date | Day 1 | Hours Spent |
| 26-07-2023 | 10 | 2 |
| Activities done during the day:  Day 10 marked a milestone in the model implementation phase. In the first hour, I reviewed and finalized the codebase for the Exponential Smoothing model. This included thorough testing to ensure that the code was robust and free of errors.  The second hour was dedicated to comprehensive training of the model on the historical sales data. This extended training period allowed the model to capture long-term trends and seasonality, further improving its forecasting capabilities.  In the third hour, I intensified my efforts in hyperparameter tuning. I closely examined the model's performance under various parameter combinations and refined my understanding of how alpha, beta, and gamma impacted its predictions.  Day 10 represented a significant step forward in the project. The model's codebase was finalized, and it had undergone extensive training and fine-tuning. The insights gained from hyperparameter tuning were invaluable, and I was increasingly confident in the model's potential. | | |