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| Name Of The Student | Lavannya Sandeep Rautal |
| Internship Project Topic | TCS iON RIO-125: Forecasting System - Project Demand of Products at a Retail Outlet Based on Historical Data |
| Name of the Organization | TCS |
| Name of the Industry Mentor |  |
| Name of the Institute | Vishwakarma University |

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| Date:23/07/2023 | Day 7 | Hours Spent: 3:15 hours |
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| Activities done during the day:  Today, I embarked on the path of model implementation, a pivotal phase in building my demand forecasting system. After careful consideration of the research conducted in the previous days, I chose Exponential Smoothing as the forecasting model due to its ability to capture seasonality and trends.  The first hour was dedicated to finalizing my decision to use the Exponential Smoothing model. This choice will serve as the cornerstone of my project, and I documented it for clarity.  In the second hour, I planned my implementation approach for the chosen model. This planning included outlining the steps involved in setting up the model, feeding it with data, and obtaining predictions.  In the third hour, I started the process of setting up the code structure and initializing the Exponential Smoothing model. This is the first tangible step towards creating a functional forecasting system.  Reflecting on Day 7, I am excited about the clarity that comes with finalizing the model selection and beginning the implementation process. The Exponential Smoothing model holds promise, and I look forward to its development in the days ahead. | | |