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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:22/07/2023 | Day 6 | Hours Spent: 3 hours |
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| Activities done during the day:  Today, my focus remained on research, particularly on forecasting models suitable for my demand forecasting project. I dedicated the first hour to a comprehensive study of various forecasting methods, with a specific emphasis on those tailored for time series data.  In the second hour, I explored the concepts of Exponential Smoothing, ARIMA, and other relevant models. These models represent potential candidates for my project, and understanding their inner workings is essential to make an informed decision.  The third hour was devoted to documenting my research findings and comparisons of different forecasting models. This documentation serves as a valuable resource for referencing and decision-making in the future stages of the project.  As I reflect on Day 6, I am struck by the depth of knowledge I've gained about forecasting models. This knowledge will guide me in selecting the most suitable model for my project and equip me with the tools to build a robust demand forecasting system. | | |