INTERNSHIP: STUDENT DAILY REPORT

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| Name of the Student | Vivek kumar Shriwas |
| 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 iON |
| Name of the Industry Mentor | Sreekathiayini Ruthraiyah |
| Name of the Institute | Viswakarma University |

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| Date | Day | Hours Spent |
| 14/08/2023 | Day 28 | 2 hours and 45 minutes |
| Description:  **Self-learning Duration : 2 hours**  **Activity Report Duration : 45 minutes**  **Activities:**   1. **Feature Selection Techniques (1 hour and 30 minutes):**    * Dedicated time to understand various feature selection techniques applicable to time series forecasting.    * Explored methods such as Recursive Feature Elimination (RFE), Lasso regression, and correlation analysis.    * Experimented with a subset of features and evaluated their impact on model accuracy.    * Shortlisted potential features that demonstrated significant relevance to the forecast. 2. **Updating Project Documentation (1 hour):**    * Integrated the latest model evaluation outcomes into the project documentation.    * Included explanations of the feature selection process and its relevance to the overall forecasting framework.    * Organized the documentation to ensure smooth flow and easy comprehension for future readers. 3. **Communication and Clarifications (15 minutes):**    * Engaged in email communication with the project mentor to seek clarifications on certain feature selection concepts.    * Received prompt responses that helped in resolving uncertainties and making informed decisions.   **Challenges:** The challenge for today was selecting the most appropriate features for the model. It required a balance between domain knowledge and empirical evaluation to ensure the chosen features contribute positively to the forecasting accuracy. | | |