

INTERNSHIP: STUDENT DAILY REPORT

Name Of the Student	Govind S
Internship Project Topic	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	Debashis Roy
Name of the Institute	ICT Academy of Kerala

Date	Day #	Hours Spent
2 May 2023	14	6
<p>Activities done during the day:</p> <ol style="list-style-type: none">1. Read and understand about Auto Regressor and Moving Average Models and implemented these on my data.2. Installed the required packages in my Machine IDE for such regressor models.3. Plotted Autocorrelation graphs and Partial Autocorrelation graphs (ACF & PACF).4. Found out various techniques on making the sales data stationary.5. Techniques like <code>diff()</code>, <code>.apply(log₁₀)</code>, <code>.apply(sqrt)</code>, etc. were tried out re-checked with dicky fuller test whether after thus changes made and did the non-stationary data changed to stationary type.6. Finally come up with the idea of implementing ARIMA ML model and it's upgraded variants for predictions and forecasting.		