**Charts:**

* Why ARIMA model failed chart in any way you see fit to demonstrate that.
* Clear 150-day LSTM chart showing abnormal predictions.
* Chart showing predictions for 1-15 February as if todays date is 1st February (based on previous 15 days to 1st feb) including actual prices of BTC on same chart showing difference between prediction and actual behaviour.
* Same thing for 15-29 Feb as if todays date is 15 feb
* Same thing for 1-15 march as if todays date is 1st march
* Same thing for 15-30 March as if todays date is 15 March

**Calculations**:

* Mean Absolute Error (MAE): This metric calculates the average absolute difference between predicted and actual values. It provides a straightforward measure of prediction error. A lower MAE indicates better accuracy.
* R-Squared (R²): R-squared represents the proportion of variance in the dependent variable (actual stock prices) explained by the independent variable (predicted prices). A higher R² indicates a better fit of the model to the data.
* Correlation Coefficient: The correlation coefficient measures the linear relationship between predicted and actual values. A value close to 1 indicates a strong positive correlation.