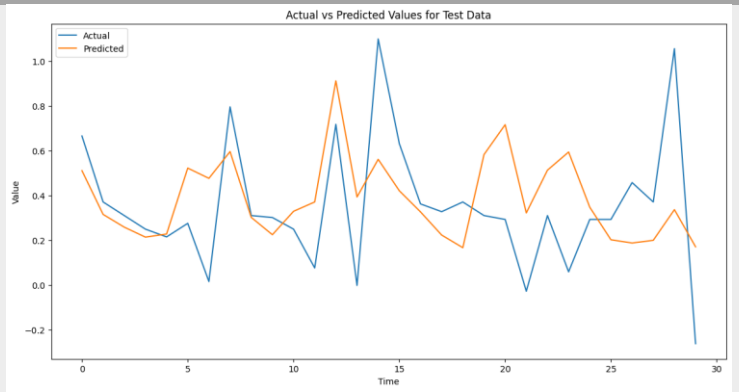
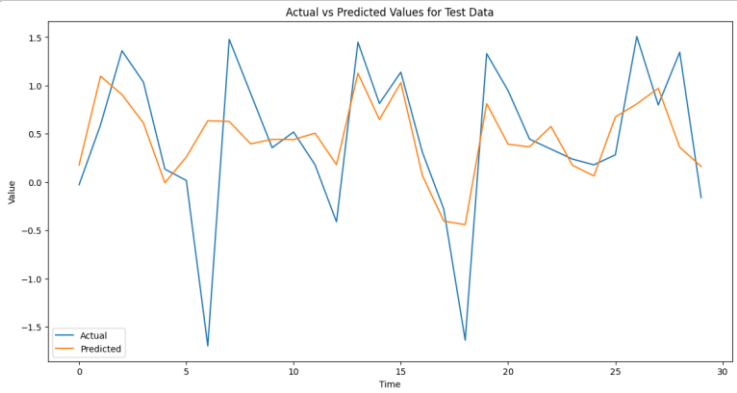
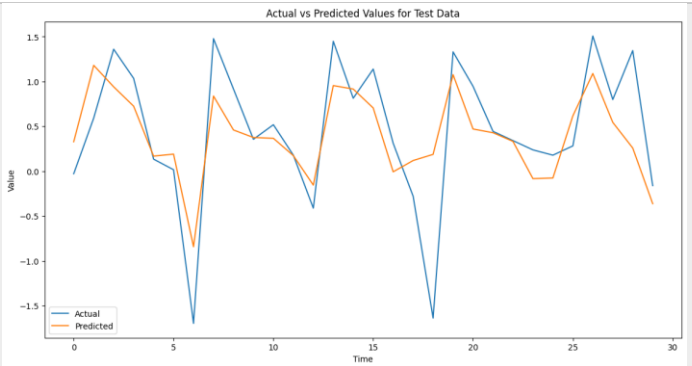
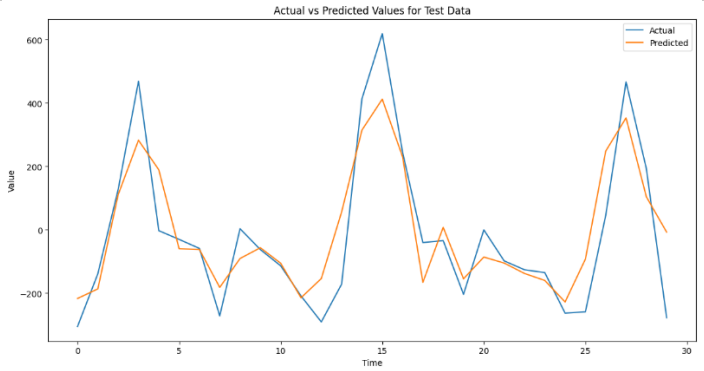
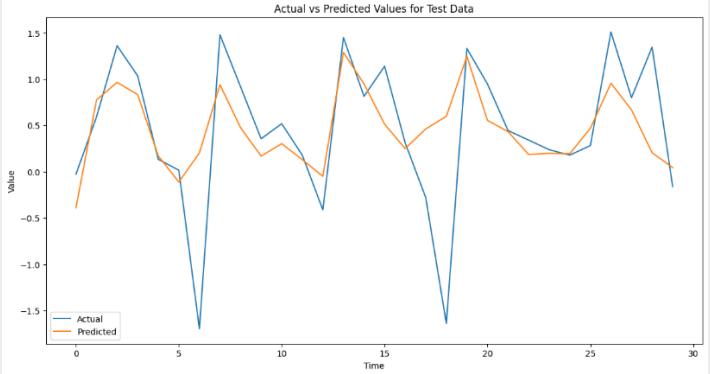
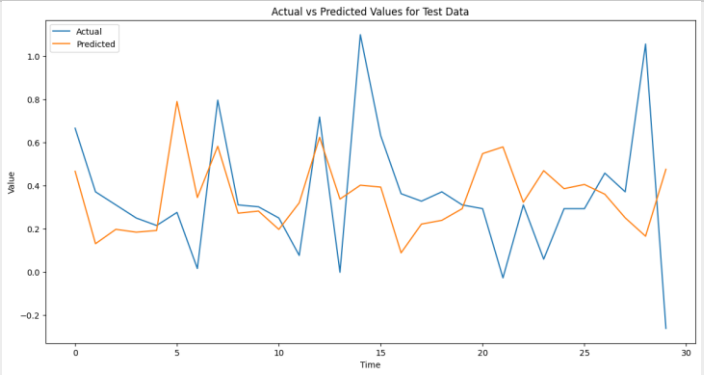
S. No	Parameters	Preprocessing	Model Config	Train RMSE	Train R2	Test RMSE	Test R2	Test Prediction
1	Ax, Ay, Gx,Gy,Gz	Min Max Scaler, Outlier Removal	128LSTM	27	0.92	110	-0.030	
2	Ax, Ay, Gx, Gy, Gz	Standard Scaler	64 Conv1D, 128LSTM, 64 LSTM, 64 Neurons, 16 Neurons	49	0.90	117.655	0.435	

3	Ax, Ay, Gx, Gy, Gz	Standard Scaler	64 Conv1D, 128 LSTM, 50 Neurons	48	0.90	111.111	0.480	
4	Gx, Gy, Gz	Standard Scaler	64 Conv1D, 128 LSTM, 50 Neurons	65	0.90	154	0.484	
5	Ax, Ay	Standard Scaler	64 Conv1D, 128 LSTM, 50 Neurons	0.206	0.886	0.522	0.289	

6.	Ax, Ay, Gx, Gy, Gz, Magnitude	StandardScaler	64 Conv1D, 128 LSTM, 50 Neurons	48	0.902	113	0.45	
7	Ax, Ay, Gx, Gy, Gz	Outlier Removal, MinMax Scaler	64 Conv1D, 128 LSTM, 50 Neurons	28	0.92	100	0.059