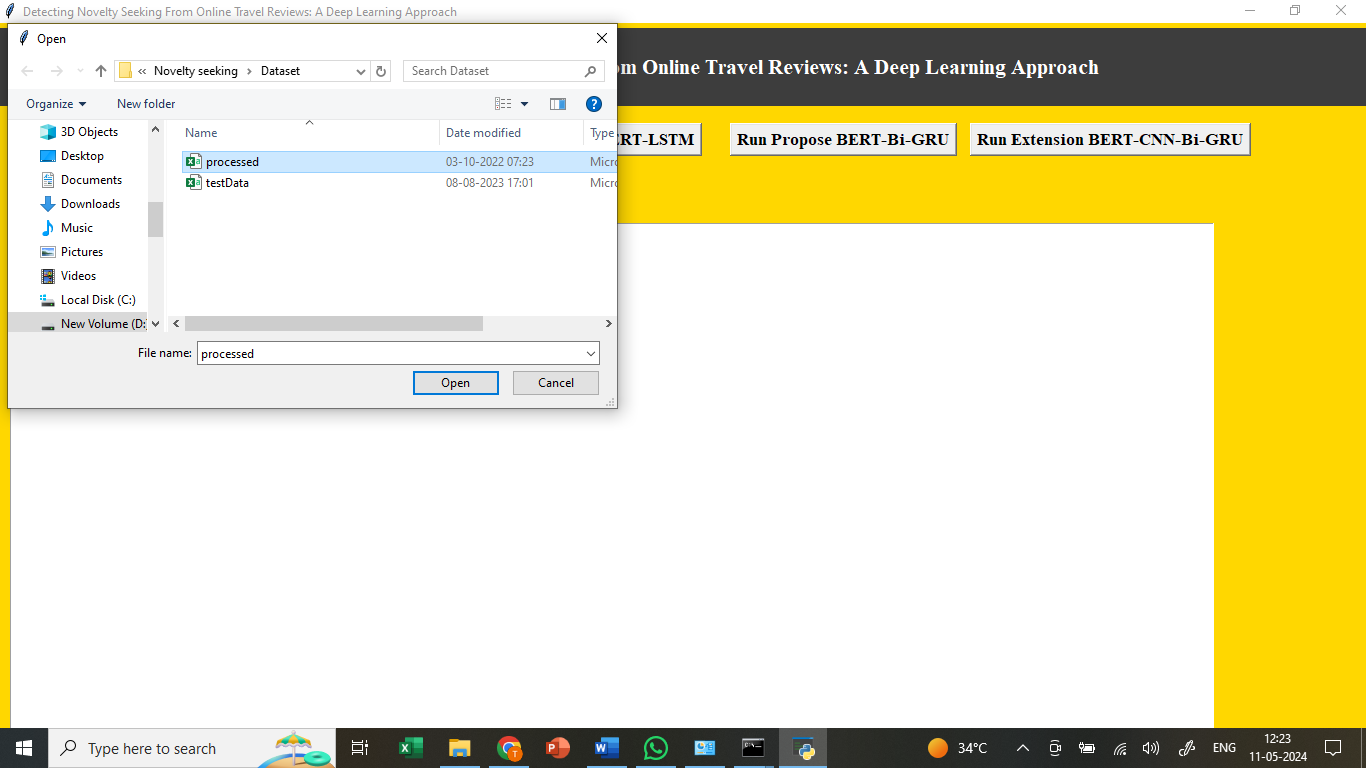
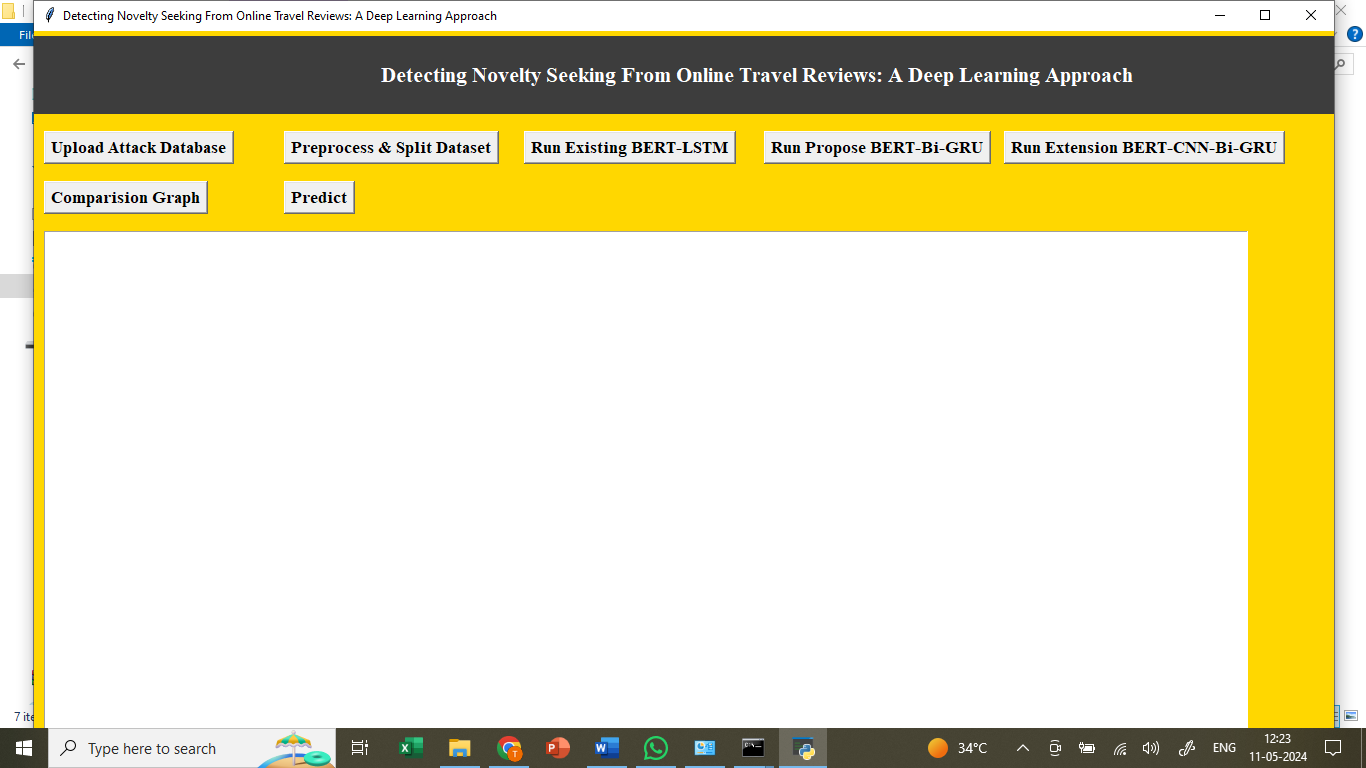
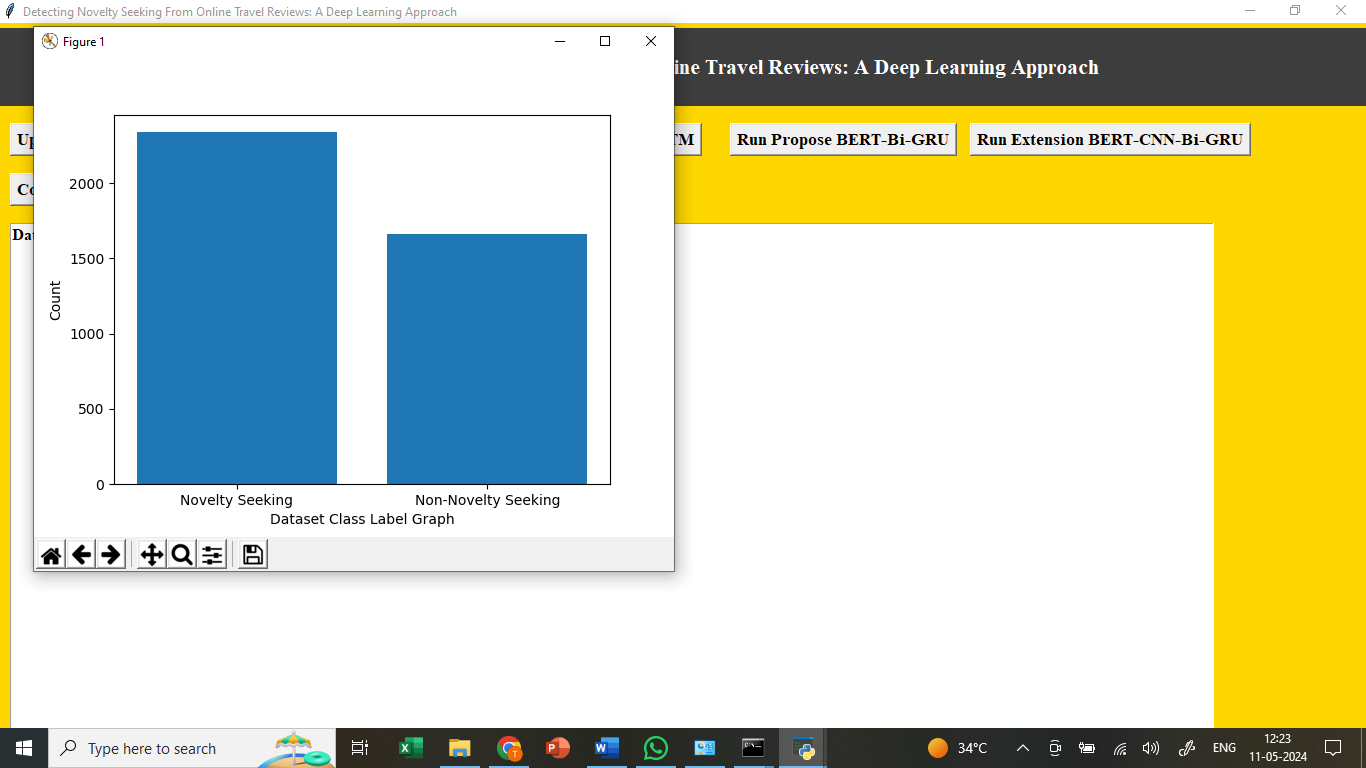
**Detecting Novelty Seeking from Online Travel Reviews: A Deep Learning Approach**

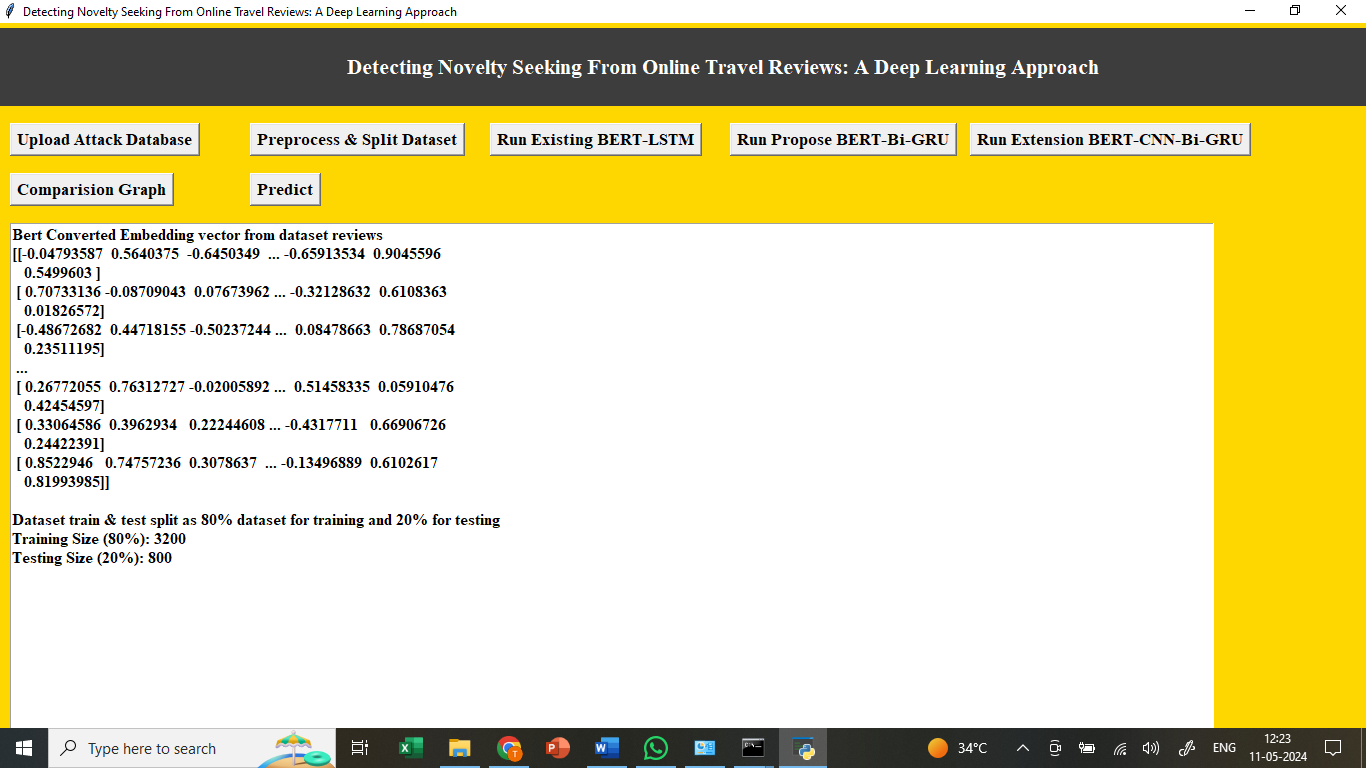
To Run the application Click on “run.bat” file from the file location.

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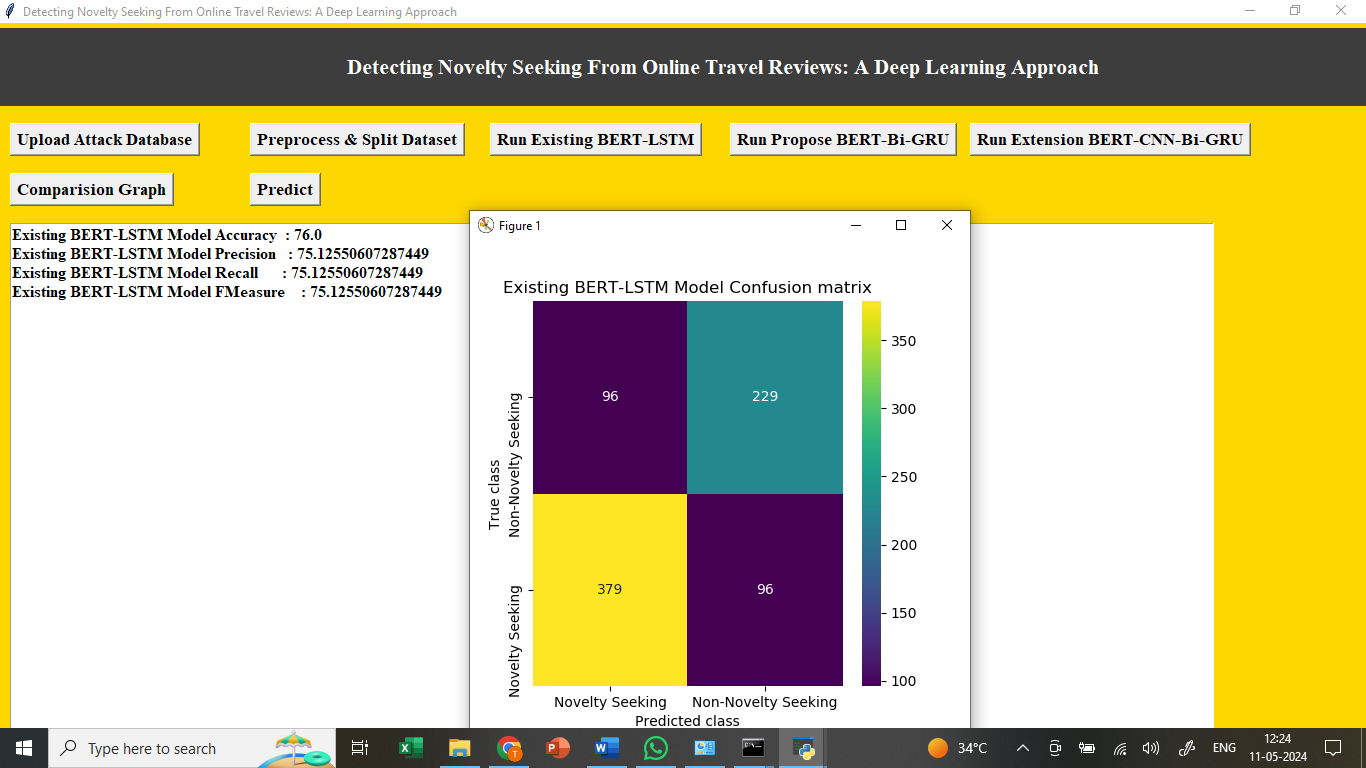
In above screen uploading dataset

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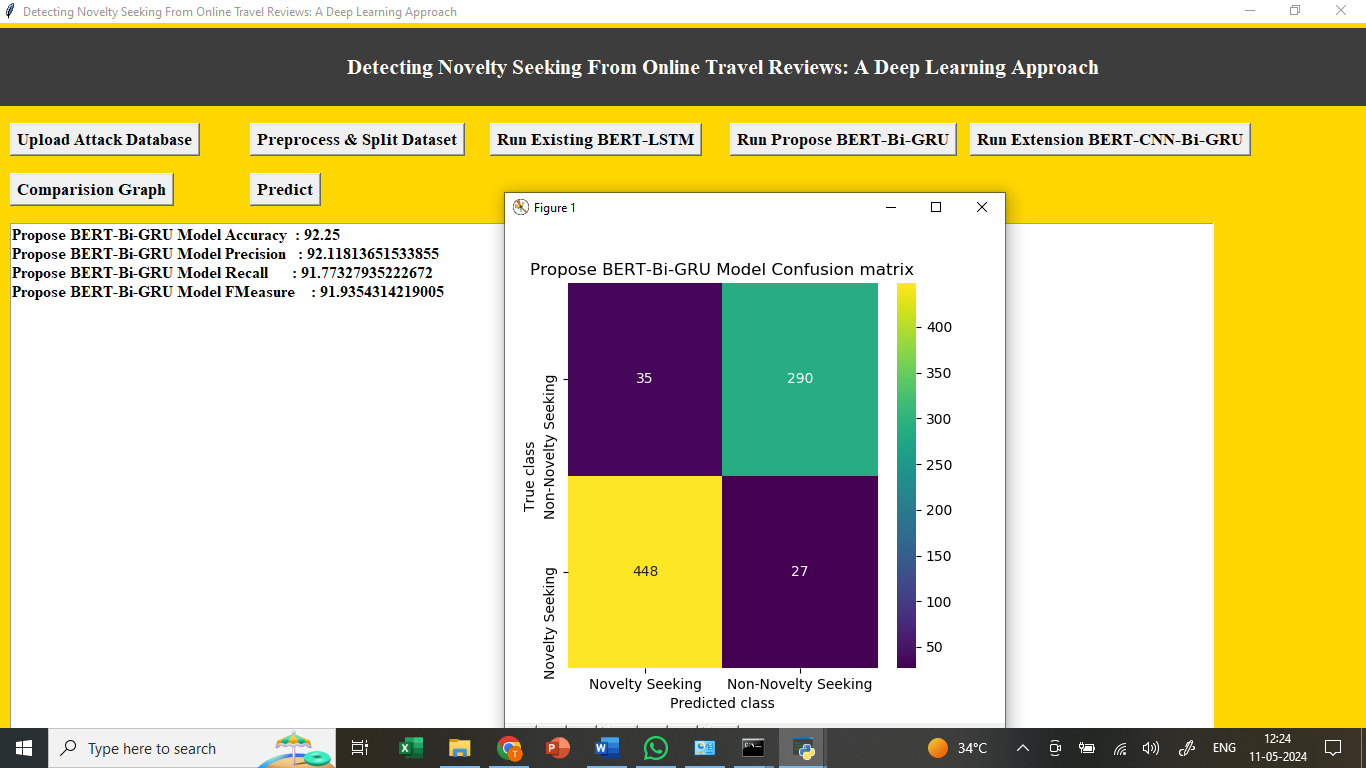
In above screen finding and plotting graph of Novelty and Non-Novelty reviews where x-axis represents novelty type and y-axis represents count

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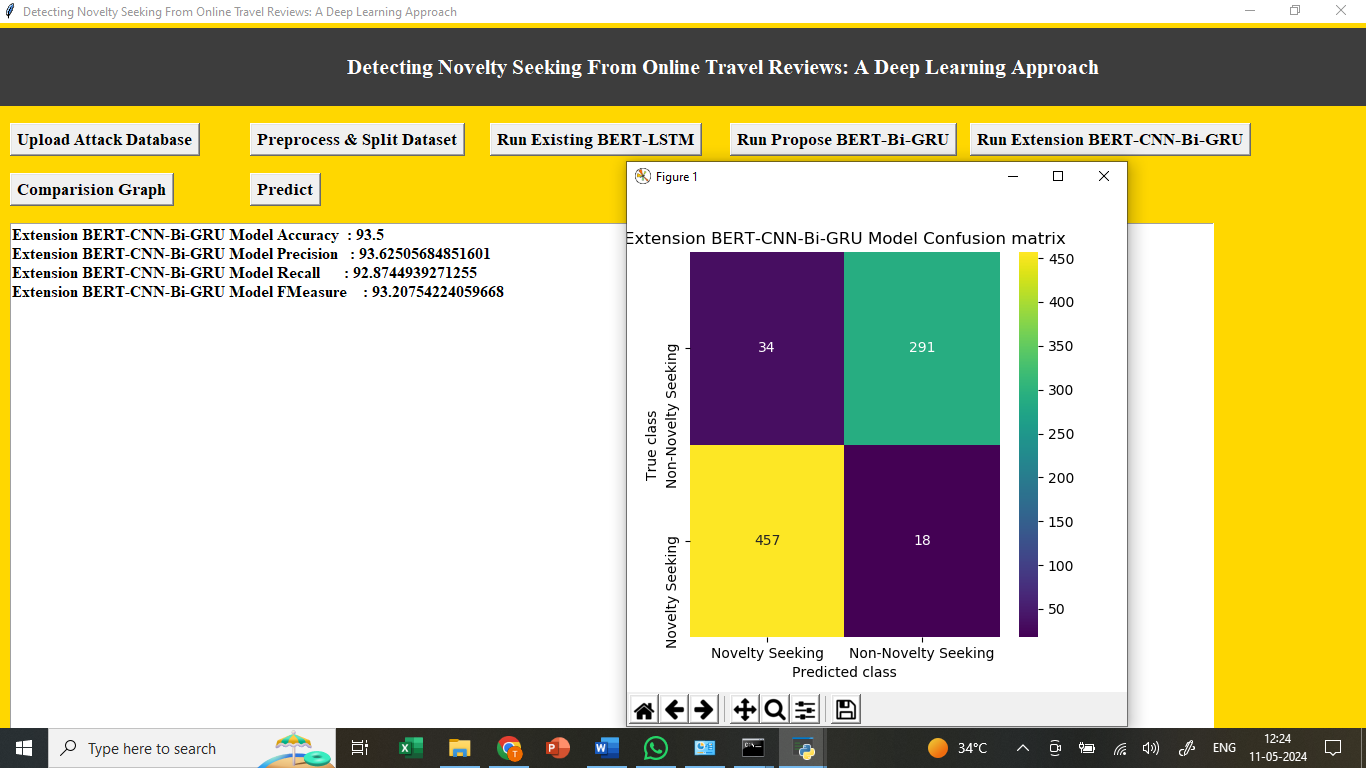
In above screen processing dataset such as shuffling and splitting into train and test and then showing output of train and test data and then defining arrays to store accuracy and other metrics values

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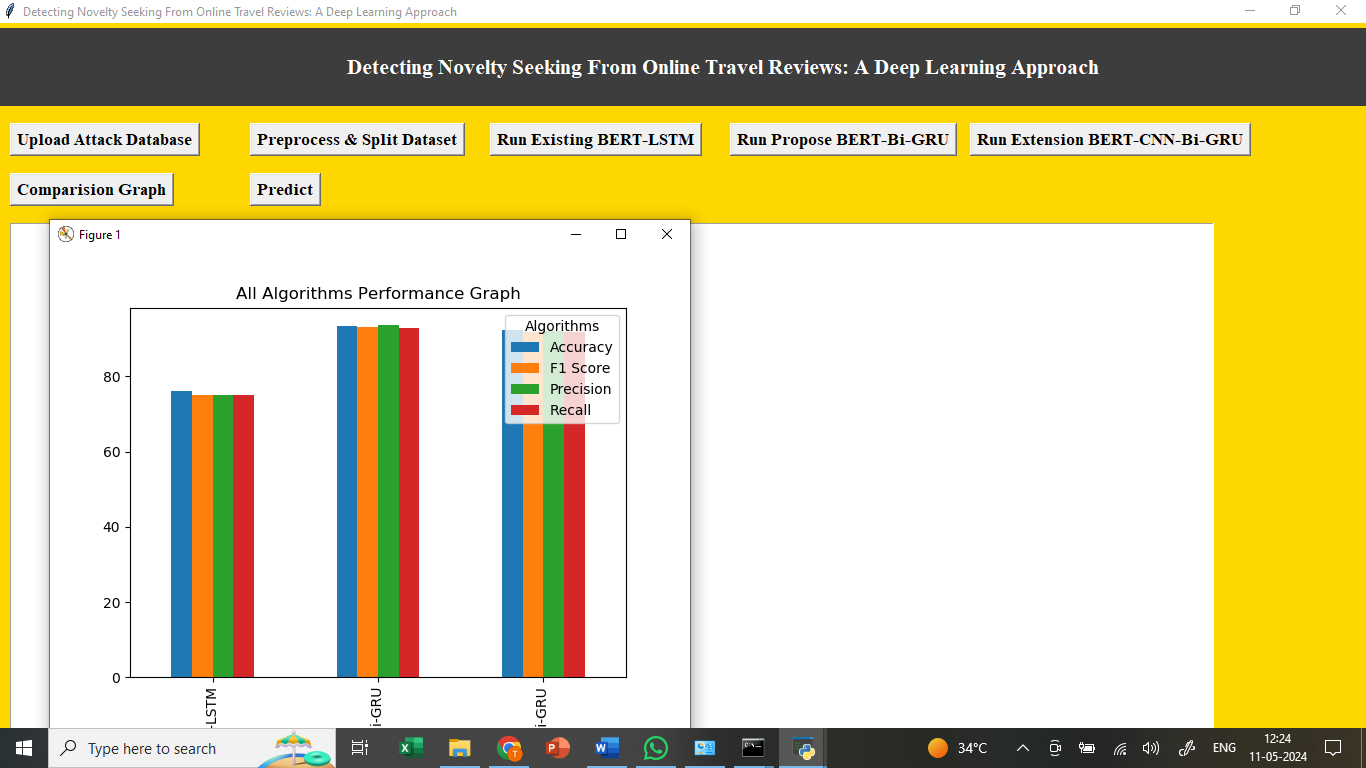
In above screen Existing BERT-LSTM got 79% accuracy and can see other metrics also and in confusion matrix graph x-axis represents Predicted Labels and y-axis represents True Labels where different colour boxes contains correct prediction count and all blue boxes contains incorrect prediction count which are very few.

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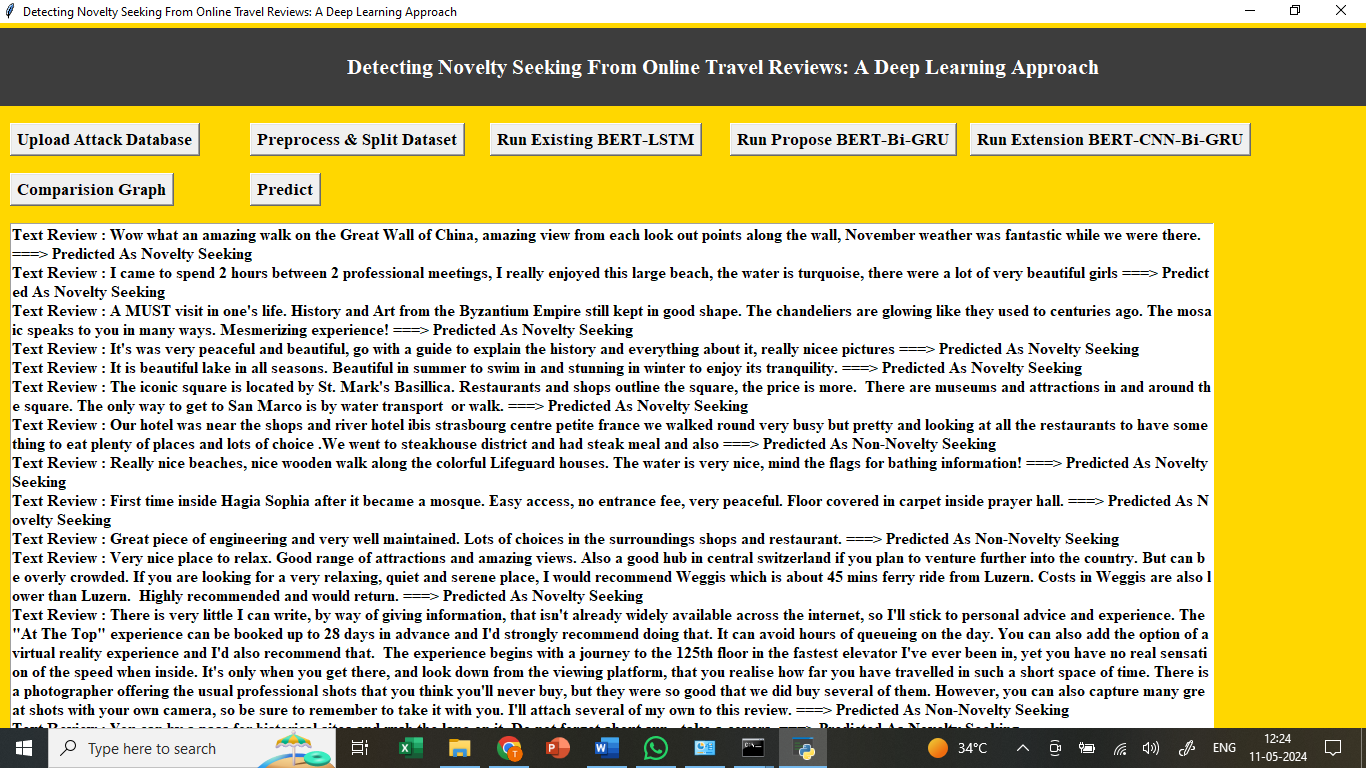
In above screen propose BERT-BI-GRU got 92% accuracy

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In above screen extension model got 95% accuracy

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In above graph x-axis represents algorithm names and y-axis represents accuracy and other metrics in different colour bars and in all algorithms extension got high performance

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In above screen reading TEST reviews and then converting to BERT features and then using extension model predicting Novelty Seeking or not and in output before arrow symbol we can see TEST data and after arrow symbol =🡺 we can see predicted output as Novelty Seeking or Non-Novelty seeking.