

## Highlights

### **A novel Reductive bias and Hybrid GRU-CNN(RB-GRU-CNN) model for prediction of PTB diagnostic ECG Time Series data**

- The GRU-1DCNN model is proposed to predict the ECG of cardiac patients.
- The model is compared to DL baseline models.
- A novel Reductive bias model(RB-GRU-CNN) is proposed to improve GRU-CNN performance.
- GRU-1DCNN outperforms traditional Deep learning models over various performance measures.
- RB-GRU-CNN improved the performance of GRU-CNN model.
- Statistical analysis of results shows the distinct & better performance of models.