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.