(29)- DSP-based arrhythmia classification using wavelet transform and  
probabilistic neural network

1. **Preprocessing: Filtering & Segmentation**

the first step generally consists of bandpass filtering the measured signals. The choice of overall bandpass filter bandwidth as initial stage is a compromise; it should allow baseline (isoelectric) correction as well as noise reduction without losing high-frequency details that may be critical for individual wave identification

1. **Feature Extraction**

wavelet transform operations

1. **Classification & Classifier**

Probabilistic Neural Network

1. **Accuracy**

Classification accuracy 92.75%

1. **Two Leads or One Lead ? In case of two leads .. how classification of two leads is merged to have final decision ?**
2. **Classes**

