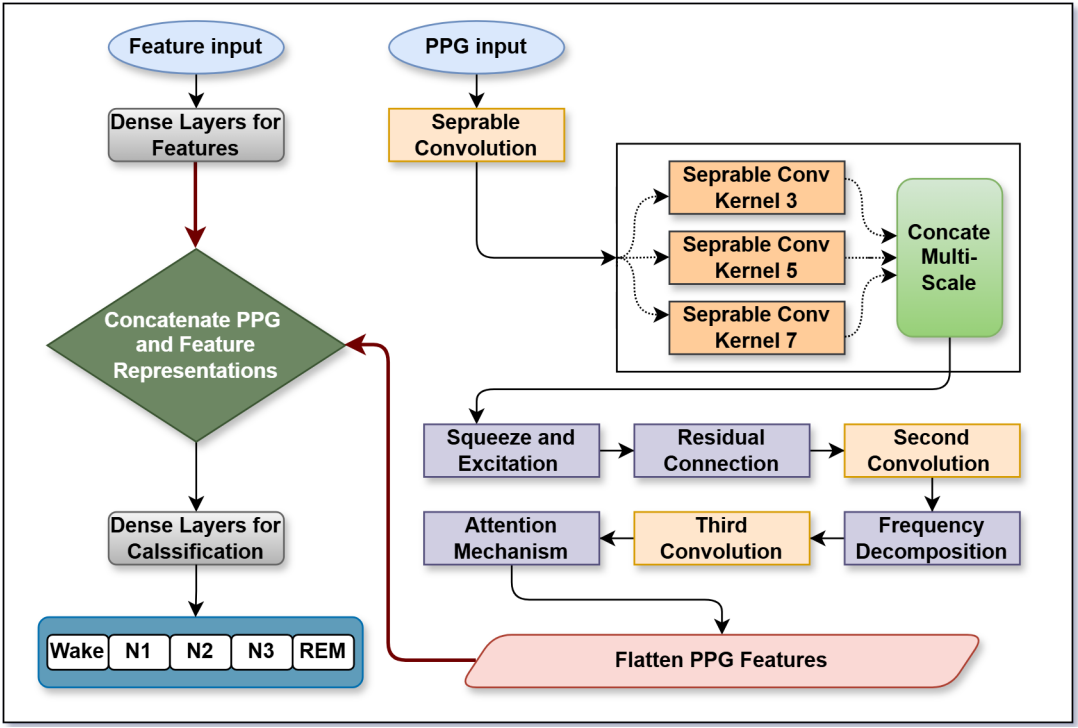
Feature input
Dense Layers for Features
Concatenate PPG and Feature Representations
Dense Layers for Calssification
Wake
N1
N2
N3
REM
PPG input
Seprable Convolution
Seprable Conv Kernel 3
Seprable Conv Kernel 5
Seprable Conv Kernel 7
Concate Multi-Scale
Squeeze and Excitation
Residual Connection
Second Convolution
Frequency Decomposition
Third Convolution
Attention Mechanism
Flatten PPG Features