Abstract

Diabetes Mellitus is a common metabolic disorder and which is prevalent among many people in India. Although there are many factors which influence the onset of diabetes, the relationship between built environment and psycho-social factors is one such factor which play a crucial role for the onset of diabetes. Hence, in this research, the authors try to make a comparative study between built environment and psychosocial factors by using multilayer feed-forward neural networks using back propagation and Modified Feed-Forward Neural Network Constructive (MFNNC) algorithm.

References

- W. David Aha and Kibler,” Instance-based prediction of heart diseases presence with Cleveland database”
- R. W. Brause, &quot;Medical Analysis and Diagnosis by neural networks&quot;, J. W. Goethe-University, Computer Science Dept., Frankfurt a M., Germany.


**Index Terms**

Computer Science  Biomedical
Keywords
Mlpneuralnetwork  Back-propagation  Modified Feed-forward Neural Network Constructive
Algorithm (mfnnca)  primary Activity  Food Intake
Transport
Basic Mobility
Activity By Health
Professional Activity
Leisure
Rest