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(57) Abstract :

An IOT-based real time health monitoring and management system, comprising multiple sensing clusters associated with system on different body portions of multiple users, each clusters configured with multiple sensors for monitoring different health parameters for specific body portions, a multi-parameter Naive Bayes protocol for allocating a nodal point to a specific cluster for receiving monitored parameters, an analyzer unit for analyzing received parameters from sensors and prioritize parameters, multiple IOT(internet of things)-based gateways in between nodal points for transmission of parameters from nodal points towards central cloud server, a multi-objective mayfly optimization protocol for finding an optimal gateway for routing/transmitting parameters to server, a residual energy unit for monitoring level of energy remaining in nodal points and a classifier module for classifying transmitted parameters to evaluate response required for parameter.

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