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Abstract:

In this paper, the system architecture and adherence method for a wearable medicare health and fitness monitoring system mounted shoe is presented. This system includes an integrated modular monitoring circuit that provides for fitness and biomedical information including coordinate tracker, step counter, calorie counter, as well as for biomedical information such as foot oxygen concentration. A commercial BLE module is used in communicating data wireless between the module system and a display platform. It is purposed with load cells and pressure sensors that will shut down the system to avoid unnecessary battery usage when no pressure feedback is received.

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Keywords

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Monitoring, Footwear, Biomedical monitoring, Medical services, Foot, Conferences, Systems architecture

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