

First iteration

Data was collected from subjects in a lab setting. Each subject was invited for a lab research. In the lab the subject was given an ActivPal accelerometer which were then attached to their upper thigh. The subject was then attached to Vyntus device. Vyntus device were used to collect data about their oxygen intake (VO_2) while they were performing activities. Each subject executed following activities, cycling light, cycling heavy, jumping, climbing stairs, sitting, standing for 5 minutes except climbing stairs and jumping. After the lab session each subject carried ActivPal device for one week. At the same time, they kept a diary in which they wrote their activities.