



Figure 42 Envisioned coaching system. Subject's routines are identified and evaluated by the system without any supervision. The system automatically detects those routines that are considered undesired (within the red rectangle at the bottom of the picture) and suggests the user to minimize the behaviour assumed during their activation time. It is worth noting how routines of the healthy subject and the COPD patient differ in shape. In particular, inactive routines are dominant during the day of the COPD patient and more active routines pervade the day of the healthy subject. The system would be able to provide both real time feedback and summary feedback at the end of each day or assessment session.