**Problem**

Wireless devices such as smart-watches, headbands and belt as well as sensor networks are one of the most promising developments which can be used to ease the process of monitoring the conditions of a human body. Although, such advancements cannot be attained for various reasons: the traditional methods used for such devices to communicate (especially using Bluetooth) can pose a danger to the body cells; lack of a secure channel for communication; and the limitation of power for these devices which is usually short-term.