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Telemetry based medical diagnosis

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In today's world, though there has been a boom in the medical industry, timely help for people at all a corner of the world is still a far-fetched reality. Various technologies can be made use of to diagnose even the most complex diseases and symptoms. However, this does not equal the need-of-the-hour medical attention. There has been many situations where people who are in real need of medical assistance. Even though there are help-lines established, their diagnosis might not be accurate without the actual medical parameters. The devices and equipment used for monitoring even the most basic parameters like ECG, heart rate, are bulky and non-portable. Moreover, they are expensive and needs delicate handling measures. Our project aims to help the rural areas where a medical establishment is practically absent. It consists of a simple portable kit which contains sensors which have been fabricated at a lower cost, along with a transmission unit. The sensors when placed on the person's body will monitor its specific parameter for a fixed time-frame. The results are then digitally transmitted to a BPO or to a doctor via GSM technology. The main idea of our project is to provide medical diagnosis to every part of our country, using very cost effective materials and equipment. This will hence attempt to connect the remotest parts of the country with a vital medical assistance at that minute when it is required.

Biography

Swarna rubhini is currently working as a professor in department of Electrical and Electronics Engineering of Vel Tech Multi Tech DR.SR College of Engineering in Chennai from India. Her interest is in Telemetry based medical diagnostic devices and treatment

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