Abstract

Developing countries like India, where doctor to patient ratio is around 1:1700, as large number of population lives in villages and remotely located area. Health check-up of such a large population is very challenging for their government due to less number of qualified doctors, highly qualified doctor refuges to work in villages and remotely placed areas. This paper proposes a new idea by which an electronic stethoscope is used to provide health check-up of such large population, by creating a public health center (PHC) in every village or combining more small villages to one PHC and connecting it with authorized center, authorized center monitors more than fifteen PHC. Recording of human organ signal by using stethoscope and transmitted to the authorized center using electronic mail can reduce the requirement of large number of doctors.

References

1. Bishop, P.J., “Evolution of the Stethoscope,” Journal of the Royal Society of Medicine, pp
448-456.


Index Terms
Design of Electronic Stethoscope and Heart Rate Monitor for Remote Area Application

Computer Science

Power Electronics

Keywords

Stethoscope, PHC, Arduino board, Electronic mail.