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LOW POWER DESIGN OF THE MEDICAL DEVICE AMONG GENERAL PHYSICIANS AND SPECIALISTS- A STUDY IN CONTEXT TO INDIAN HEALTHCARE SCENARIO

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ABSTRACT

India is a country that has power shortage. Power losses in transmission and distribution across India average around 25 percent, and in some areas they can reach 50 percent. That means that half of the electricity being generated either never reaches an end user or is used but never paid for. Power losses in the developed world seldom reach 10 percent. The power shortage can affect healthcare services. It is important that the medical devices are not power hungry. This paper presents a case study of evaluating low power design needs of a medical device among general physicians and specialists.

KEYWORDS: Medical Device, Low Power Design, Usability Engineering