

Design and manufacture of GPS tracking devices for mobile patients

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Abstract: In the context of healthcare increasingly focusing on flexibility and convenience for patients, this topic focuses on designing and manufacturing a GPS tracking device optimized for mobile patients. The objective of the research is to build an automatic health monitoring system through GPS communication to enhance the quality of medical care and ensure patient safety during movement. The approach includes both theoretical research on GPS technology and experimental implementation to test the device's effectiveness. This topic is expected to make important contributions to improving monitoring and support capabilities for patients during treatment, thereby enhancing the overall performance of the healthcare system.

Keywords: GPS positioning, Medical devices, Health monitoring