

Building a system for collecting and analyzing heart sounds on mobile phones

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Abstract: This topic aims to research and develop a system capable of collecting and analyzing heart sound data from mobile devices, contributing to improved cardiovascular health diagnosis. Through the experimental process, the system is built based on mobile phone technology combined with machine learning algorithms. The expected result is to provide a useful solution for home health monitoring and management while contributing to the development of mobile health.

Keywords: heart sounds, mobile phones, data analysis, cardiovascular health, mobile health system