

# Voice Based Billing System

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**Abstract:** *Many small and local shopkeepers still rely on manual billing methods, which often lead to mistakes, delays, and a lot of extra effort during busy hours. This project introduces a voice-based billing system aimed at solving this everyday problem by making the billing process faster, easier, and more accurate. Using speech recognition technology and built with Flutter, the system allows shopkeepers to create bills by simply speaking item names, quantities, and prices. The spoken inputs are quickly processed into a digital invoice, reducing the need for typing or using complex billing software. This not only saves time but also helps those with limited technical experience or literacy. The system is designed to be simple, affordable, and practical for real-world use, especially in small shops and local markets. Through this approach, we aim to support small business owners in adopting digital tools that can improve their workflow without adding complexity.*

**Keywords:** Voice Based Billing System, Voice Billing, NLP, Paperless billing

