

# **Building a Communication Support Application for the Hearing Impaired on Mobile Devices**

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**Abstract:** In the increasingly growing context of smart communication needs among individuals, communication support applications for the hearing impaired on mobile devices play a crucial role. This topic aims to solve the problem of providing an effective tool for information transmission and facilitating easy communication for the hearing impaired through mobile platforms. Through research, the topic applies a combination of theoretical and experimental methods to develop an application suitable for the usage needs of the hearing-impaired community. It is expected that successful implementation will bring significant meaning in improving the quality of life as well as enhancing the communication ability of the hearing impaired.

**Keywords:** mobile application, hearing-impaired communication, mobile device, assistive technology, hearing-impaired people