# 推動防災知識與教育之行動化服務應用

## The Application on Mobile Service to promote the disaster knowledge and Education

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## 摘　要

隨著行動裝置的普及率提高，民眾獲取資訊的管道與模式也有不同的變化，進而改變資訊的傳遞模式，同時也為防災教育與知識推廣提供新的契機。本研究以當前最熱門的 LINE 通訊軟體為基礎架構，建置以行動通訊軟體為主要的服務，打造防災知識與線上教育互動專區，並以科普化的方式建立災防資訊，包含:防災地圖猜猜樂、淹水防衛站、知識王大挑戰等，其中運用疏散避難時各場所的標誌，以及居家淹水的整備工作等知識，建構圖文問答型遊戲，同時利用本中心過去累積的防災特輯專業知識，開發知識挑戰的活動遊戲，讓使用者從互動的遊戲模式中能輕鬆學習防災知識，以提升資訊的傳播效率與廣度。同時利用行動裝置的便利性，提供使用者一站式查詢，快速取得日常生活常用的天氣觀測、示警資料、降雨情況等，達到全民防災意識的提升。

關鍵詞：防災教育，行動化通訊軟體，線上學習

## Abstract

As the popularity of mobile devices increases, the channels and modes through which people obtain information have also changed, thereby changing the mode of information transmission and providing new opportunities for disaster prevention education and knowledge promotion. This study uses the current most popular LINE communication software as the basic structure, builds mobile communication software as the main service, creates an interactive area for disaster prevention knowledge and online education, and establishes disaster prevention information in a popular science way, including: prevention Disaster Map Guessing Fun, Flood Defense Station, Knowledge King Challenge, etc., which use the signs of various places during evacuation and evacuation, as well as home flood preparations and other knowledge to construct picture and text question-and-answer games, while using the center's past accumulation Professional knowledge of disaster prevention special edition, develop knowledge challenge activity games, allowing users to easily learn

disaster prevention knowledge through interactive game mode, in order to improve the efficiency and breadth of information dissemination. At the same time, the convenience of mobile devices is used to provide users with one-stop inquiry and quick access to weather observations, warning information, rainfall conditions, etc. commonly used in daily life, so as to improve the national disaster prevention awareness.