

Research GPS technology to build a group location application on Android.

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Abstract: This topic aims to research and deploy a mobile application system for locating groups of people on the Android platform. The reason for choosing this topic stems from the necessity of GPS in ensuring safety and effective cooperation among group members. The project's objective is to build a technical solution that helps manage the real-time location of each group member, while also providing interactive tools to enhance communication and coordination among members. The research method combines theoretical research with experimental application deployment on Android. The expected results will contribute significantly to the field of group location, improving the flexibility and reliability of GPS systems in mobile environments.

Keywords: GPS, Android, Group location tracking, Travel safety, Mobile application