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NavigateNow: Innovative Indoor Mapping for Seamless Navigation

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Abstract: *A University Campus can span vast areas and may consist of multiple campuses. Annually, numerous students enroll in the university, leading to the construction of new buildings, the introduction of new courses, and the establishment of various facilities such as departments, cafeterias, libraries, etc. This expansion can pose challenges for newcomers in navigating the campus efficiently and on time. Similarly, new faculty members, staff, and visitors encounter difficulties in finding their way around. In recent times, a significant number of students, faculty, and staff have turned to using Android smartphones for personal use. A web-based Global Positioning System (GPS) application, integrated with videos and images, would greatly assist in locating specific places and finding the most direct routes from one's current location to the desired destination. This solution would alleviate the frustration and confusion experienced by individuals within the campus. The application has been developed using HTML, CSS, and the Django framework, with Python as the programming language and MySQL as the database for data storage.*

Keywords: web-based mapping applications, Django framework, HTML and CSS web development, MySQL database, real-time analysis

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