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(57) Abstract :

The invention pertains to a railway platform safety system designed to prevent accidents and enhance passenger security. It features a movable bridge that connects two platforms and integrates with an alert system to manage platform access during train arrivals. As a train approaches within a specified distance, the system activates an audible buzzer and visual signals to warn passengers. The bridge automatically retracts, isolating the platform from the tracks to ensure a clear and safe area for the train's movement. Once the train departs, the bridge slides back into position, reconnecting the platforms. This innovative solution improves safety for all passengers, including those with mobility challenges, by preventing track crossings and ensuring a secure and accessible platform environment.

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