

A Journey Through Purdue - An Interactive Timeline

A Proposal for the Fusion Studio: Boiler Gold Rush 2022 Entertainment Challenge

Authors

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Student Organization Background

Theme Park Engineering & Design at Purdue stands on the foundation of passion. The organization's goal is to provide driven students the opportunity to unlock doors to the niche industry of theme park engineering and design. Through that the organizations hope to educate students on the many aspects of this industry and to reach out to the Purdue community to reveal the many disciplines that go into the theme parks and entertainment venues that people visit every day. TPED offers a variety of events and activities that aim to provide education, experience, and new opportunities for members to reach their goals.

Proposed Installation

The goal of the proposed installation is to create an interactive historical timeline of Purdue's West Lafayette campus for all participants in BGR 2022. The timeline would be presented using a series of interactive beacons throughout the campus that represent the history of every Purdue college and prominent landmark (see attached PDF for proposed locations). Each beacon would present the participant with a scannable QR code that would then activate the beacon's puzzle and link them to the main puzzle server which would allow them to register or continue their progress across campus. After signing in, their current overall timeline completion will be displayed and the beacon puzzle's clue will be presented on their phone screen that would contain the information needed to solve the puzzle. Once solved the user scans a new code that appears on the beacon display that will mark them as completing the challenge on the server and displays the clues for finding the remaining beacons in the challenge. Once a team has completed all of the challenges, they will receive information on how to obtain their prize from TPED, most likely in the form of a Purdue TPED bracelet and a completion certificate. This will create even further motivation for BGR participants and teams to find a portal, collect hints, and therefore complete all of these portals, and learn all of campus at the same time. In order to accommodate power needs, the beacons will be powered by a solar-charging system and battery. Each will go to sleep when not being used to conserve energy.

Budget

Beacon Materials \$200/per portal Qty: 12

Prize Bracelets: \$100

Total: \$2500