

Development of Infrastructure Research Weekly APP

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- Due to the proliferation of smart phone devices, an APP platform that compiles the advancements in research and practices related to durability of transportation infrastructure as well as other professional development opportunities, is important for outreach.
- The APP serves as “One-Stop-Shop” for researchers from the consortium universities, industry practitioners and professionals and students for Infrastructure News and Activities.
- The primary contents for the APP will be collected from major journals, magazines, websites, news media, TRID database, and social media via keyword searches, using web scraping or AI techniques.



Research Plan and Goal

The goal of this study is to develop “Infrastructure Research Weekly” APP to share research findings, news and professional opportunities in the field of transportation infrastructure durability.

Task 1: Identify Relevant Information Sources and Technologies

Task 2: Conduct Stakeholder Survey/ Interview

Task 3: Develop APP Platform

Task 4: Test the APP

Task 5: Final Deployment and Support

Task 6: Develop Final Report and Outreach

Activity



Task 1- Python Web Crawler Overview (Source: Datacamp)