

AUT Shuttle Ticketing System

Contact Details: TBD

Org Name: AUT

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Intro & Background:

AUT provides shuttle services between campuses for students and staff. Currently, tickets consist of business card sized pieces of paper with an AUT logo. These paper tickets provide no means of verifying their authenticity and require drivers to manually count the number of people using the shuttle, in order to provide metrics on shuttle usage.

Project Description:

This project aims to replace paper tickets with a smartphone app and companion app for drivers. Students/staff using the shuttle would present a virtual ticket generated by the app to the driver who would scan this using their companion app. These apps would provide real time metrics on how many students are currently using the shuttles as well as historical trend data via an admin dashboard. The functionality of the app could also be extended to provide real time location and ETA's for shuttles.

Goals:

- Eliminate the possibility for ticket fraud
- Provide usable business metrics and auditing
- Make ticket purchasing easier
- Replace paper tickets for students and staff
- Speed up passenger boarding

Technical or Other Constraints:

- Navigating AUT's internal systems and procedures
- Using AUT's Single Sign On service
- Providing the ticketing service while offline

Sponsor Name: TBD

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