

## Pathfindr Meeting

### GPS

- GPS indoor not very reliable

### Bluetooth

- Bluetooth beacon
  - estimate
  - proximity beacon
    - \* not to the absolute distance
- most cost effective
- through raspberry pi
- individual desk level/25m range

### Optical Solutions

- Rear/forward facing for marker like QR code
- All stored locally on device
- Lo-fi solutions

### Other things

- Indoor challenge not completely met currently (e.g. by Google)
- Infra-red approach, difference frequency & delta
  - Point A to point B, not cost effective
- Estimate using accelerometer between markers
- 2D top-down map for displaying optimal route?
- Finite number of routes - do natively
  - Calculate peak times in certain spaces
- Work with environment & orientation
  - Know you fix beacons

### QA

For UX - A/B testing - In field testing - Azure wireframing prototypes

Development - 2 weeks of tuning location - Monitor data from users to find optimal performance