This course exposes students to ongoing research in mobile and visual sensing, i.e., techniques, algorithms, and systems that leverage the sensors in smartphones, cameras, drones, and other Internet of Thing (IoT) devices, to deliver real-world engineering applications. The course will teach students some popular/useful analytical techniques and then show the application of these techniques to real systems. Example applications includes:

- Indoor Localization
- Dead Reckoning
- Object Detection
- Structure from Motion (SfM): Constructing 3D Model from Multiple Images

Prerequisite:
- Linear Algebra (MA2321 or MA2330) or equivalent
- Probability (CEE3710 or MA3710)

Offered by
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Please contact Dr. Yoon (hyung@mtu.edu) for any questions regarding the course.