ITAI 2373

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Smart Cities: Part 2

Environmental Monitoring:

* Air quality alerts (what your air will be like in your area)
* Water quality alerts
* They want smart cities to have the appropriate sensors that will communicate the quality of the environment in your phone or watch.
* Tower network- will take care of every warning and monitoring. (depending on the area)
* Used for tornado/ hurricane watch.

Example: Cloud sitting alerts (rocket pathway in the sky: spreading chemicals in the clouds- used to make it rain- whenever it is too hot)

* Anything related to the environment.

Public Transport

* Integrated transit systems (trains, buses, cars, metro)
  + - Integrates all types of transit for anyone who needs it.
    - An AI system can make this easier for you- no need for an app.
* Smart ticketing: using a smart card or an app. No need to buy a ticket.
  + - Creation of an app that takes no time, an AI system will make the process easier.

Healthcare

* Can sense the difference in variables.
* Police officers, ambulances, or a practical practitioner are ready to help whenever or wherever.
* Smart hospitals
* Remote help monitoring

Citizen engagement

* 411: A program- anything that will help a citizen manage life more easily. Too expensive to implement.
* Mobile app: one app controls everything in your life (water, bills, police, accidents, reviews, suspicions, noises).
* Digital kiosk: People can access services through kiosks. They can report or ask for certain services. Let’s a user know that the service is happening. No need to panic.

Unsolved cases in AI

* Least perceived investment.
  + - No funding/investments from the government. There’s no money, and they can’t get any revenue.
    - Makes it hard for people to support.
* Fairness and managing biases.
  + - Government people have biases.
* Regulated ambiguities:
  + - Everyone will know your problems and personal stuff.
    - No privacy
    - Ethical frameworks

Problems created by AI.

* Machine learning biases: racism.
* Data breaches: data security, data confidentiality
* Eliminate jobs. No need for extra people/jobs, the AI system will do everything.
* Lack of transparency