

A05 Smart City Notes

US Cases

1. Environmental monitoring

Quality monitoring for example the air/ water quality or have the sensors test the air/ water quality. This sends amber alerts. These are scheduled alerts using AI based on the network. UV radiation which is not out yet but will be soon.

2. Public Transport

Integrated transit systems: (train, cars, buses) Integrate all the public transport into one type of transport combination of shared transport.

3. Smart Ticketing

With an AI system the person pays for it and the system takes care of it. An alert is sent to the phone to notify the person that their stop is ready. These notifications come in like a phone call. This allows you to get your travel plans communicated without the need for human interaction customer service. It is all virtually done by a computer.

Health Care

- Remote Health Monitoring: The AI systems are being encouraged to be connected to ambulances and hospitals. Immediate medical health has the goal of giving the citizens the fastest help wherever you are. This includes any doctor or trained person that is the closest to the emergency to be notified and given assistance immediately.
- Smart Hospitals: Automatically have access to every person's file and health documentation.

Citizen Engagement

- It is to serve the public, not the government. Funds are solely to help the purpose of the organization. Mobile apps based on the area you live in, every person is able to report or receive notifications about what is happening in the area for others to be notified.
- Digitals: Requests or concerns are handled virtually by AI. Use mosquitos to pick up information on the area they are sent to pick information, like a surveillance camera almost like a drone.

Unsolved AI Systems

1. Least perceived ROY investment: just improving the services not
2. Fairness and managing bias: Cannot stop bias because it is all around us because there are all types of opinions.
3. Regulated frameworks/adversity: Exist because there are very strong frameworks. There is a lot of information about every person that is shared within different organizations so personal information is known. A simple Alexa device in your home is always listening

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and can give any information out to authorized authorities when needed. There is no strong regulation to restrict any data AI uses. Ethical and adversity frameworks are not yet addressed to protect individuals.

AI Problems

- Machine learning biases
- Demographics/ geographics- creates racism
- Data Breaches- data security and confidentiality. If it is stolen all the information will be exposed.
- Lack of transparency