



SESSION #3

ASSESSING THE POTENTIALS AND THE RISKS OF FRONTIER TECHNOLOGIES
FOR ACHIEVING FOR SDGS:

GROUP 6

Mobile Banking

8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



10 REDUCED
INEQUALITIES



11 SUSTAINABLE CITIES
AND COMMUNITIES



Advantages

- 1) Access to Financial Service
- 2) Economic Help to Homeland
- 3) Acceleration of Economic Growth

Disadvantages

- 1) Personal Information
- 2) New Arising Liabilities

IoT

Smart street lighting infrastructure

High-insulation, low-cost ceramic coating -> reduced cost, low GHG emissions, improve public safety
Rather than functioning at a programmed time, they light up with a motion detector

Saves up electricity cost

Blue Marine Technologies in Seoul

Smart waste bins

Efficient management of waste removal

Two types developed by a Korean company Ecube Labs

City garbage bins equipped with wireless sensors that notify street sweepers via mobile app when a bin needs to be emptied

Trash compactors

RISKS of IoT:

Specifically referring to Smart Homes-- There are more than **3 billion mobile users globally and almost 8 billion IoT devices.**

-There is still some ambiguity in understanding the vulnerabilities and the seriousness of the threat.

Risk of devices being hijacked and turned into email servers for mass spam; smart IoT devices can also be used as botnets via **baby monitors, webcams, streaming boxes, printers, and even smartwatches.**

Legal accountability: IoT is known to affect a lot of legal underpinnings, like data protection, product liability, data sovereignty, etc. Since a lot of data is involved, it becomes difficult to determine which laws can be applied in case of dispute.