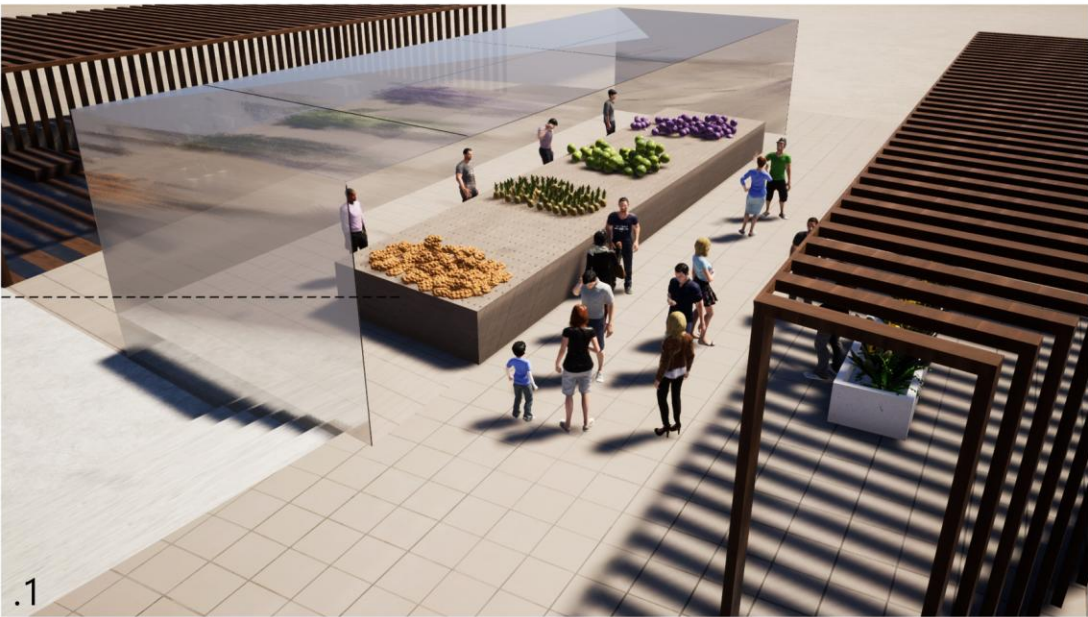


Designing open-air markets
Create the atmosphere and opportunities
for interactions among buyers
and between buyers and sellers



.1



.2



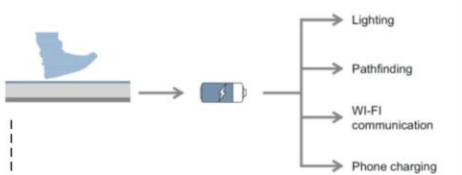
.3



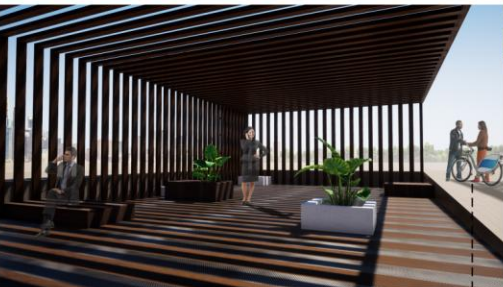
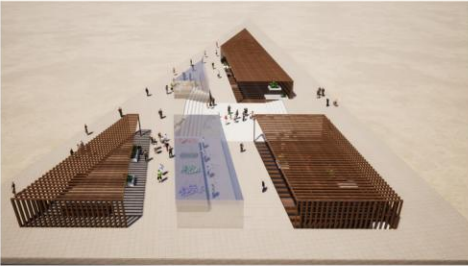
Gamify walking experience in the city and
public urban places

Design smart floor to collect citizen's data
in order to use these data in an upper level
of Knowledge Management System in the
.city

By walking on the mentioned designed
floor and also other physical activities smart
.and clean energy will generate



Design a pedestrian-oriented
plaza to promote sociability to
our public urban place and make
it more human friendly
Providing a place for social inter-
action and relationships
Intercultural interactions and
communications



Provide a forum for the exchange of ideas
Visibility and a welcoming entrance

Cryptocurrency Smart E-Bike
Design an application in order to encourage citizens to ride their bikes instead of driving a car by
rewarding them with virtual Bitcoins
By using the e-bike, riders will generate cryptocurrency
Riders will be able to sell trade or spend these coins for goods and services in the plaza and other
.public urban places
IoT Sensors ventilate unclear whether
GPS sensors guide you towards the quickest and safest routes
.IoT sensors via Bluetooth or wifi connect to designed smart urban furniture's like lights

Hadi Gahramani



Develop a BIM-IoT-GIS based meta-model to develop a support and preservation system to the associated historic built-environment

Establish a collaborative smart preservation system

Help to develop a sense of community pride and ownership

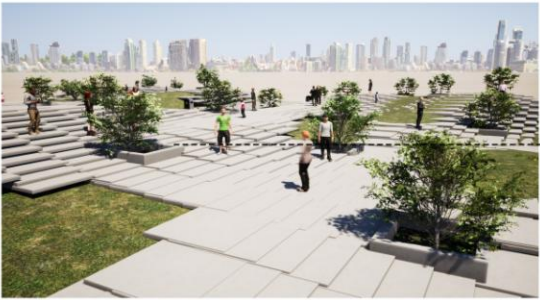
Promote individuals' understanding of one another's culture and human-ity



Bins equipped to smart IoT sensors to sorting waste for recycling them in the future. Meanwhile this will help to increase the rates of recycling

connected devices and cloud-based applications to our bins in order to use products data and store it in a cloud spaces

Through IoT sensors, dustbins, and garbage cans can be connected to the Internet as a "Digital Bin". The data from garbage's can be monitored, supervised and managed by identifying them. This process will .boost the waste management system



Design tank-based intelligent storage system for our smart eco boxes in order to capture and reuse the rain water and reuse this water for landscape .gardens and urban-farms



Design eco-friendly vertical gardens for our smart homes



Implement "Smart Agriculture" sensor nodes to improve cropping process managing greenhouse environment, indicating climate change and generating data analytics for optimal operation by using IOT sensors

design a Decision Support Systems (DSS) for smart farming

recycling water with our designed eco box in order to reuse it in our public urban places

Develop urban farming. Instead of consuming industrially-produced food, our future smart citizens try to farm their own urban gardens and produce lo-ally-grown fresh foods

citizens cooperate in the process of agriculture in order to promote a sustaina-ble, eco-friendly landscape and pollution-free environment