



Assignment 1 – SMART & SUSTAINABLE

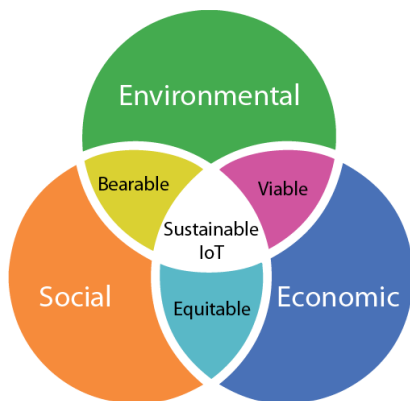
Sustainable SMART Cities

In this task you are going to apply what you have learnt about Sustainability and apply it to the Internet of Things.

Here is the diagram illustrating the 3 pillars of sustainability



and Here we have placed IoT at the centre of our model and allows us to think about “Sustainable Internet of Things” ideas for your SMART city.



Now that we have a model let's explore an example of how we can apply this model to SMART Street Lighting

Scenario	Economic	Social	Environmental
SMART Street Lights	By sensing when pedestrians and cars are present less power is reducing costs spent on street lighting.	By being aware street lights can be turned on at a brighter level providing greater safety to the pedestrians.	This method minimises the amount of power consumed thus reducing demands for energy production which is better for the environment.

Your Turn,

Choose one of applications below and one of your own and fill in the table below.

- Traffic Management
- Parking
- Public transport
- Utilities
- Waste Management
- Environment Monitoring
- Public safety

Scenario	Economic	Social	Environmental