Smart Cities are an upcoming innovation that can revolutionize the way we exist. We have carried out the modeling of a MIMO-OFDM communication system. Phased array has been carried out for the infrastructure and a hexagonal implementation design is proposed. We have also discussed different applications for the smart city technology. The city supports a disaster mitigation system based on information retrieval through the proposed units.

- We propose the city infrastructure to be divided in three major nodes.
- The central unit is referred to as the CCN (central cloud node).
- The second unit in the hierarchy is referred to as FCN (fog cloud node).
- The third unit is referred to as ECN (edge cloud node).
- For modelling the MIMO based communication system, we propose a hexagonal based system.