

SMART PLANNING

**GROWING
POPULATION**

**AGING
POPULATION
(NUCLEAR
FAMILIES)**

**THE
CHALLENGES**

**DEVELOPING &
MANAGING
INFRASTRUCTURE**

**ENVIRONMENTAL
CONCERNS**

**ASPIRATION
FOR BETTER
QUALITY
ENVIRONMENT**

A City is like a human body

- The buildings where all the activity takes place are the muscles
- The Parks are like lungs
- The roads and the pipeline and sewerage connections are like the arteries and the digestive system
- The five senses constitute the smart IOT and ICT devices

The collection of Data allows us to adapt and make smart applications for day to day living

Livable cities, Efficient Cities, Sustainable Cities and Safe Cities

Creating Smart Cities

Collect Data about the Buildings, About Parks, About Roads, About Energy Uses, Waste Disposal, Sewerage and Septage

Use Secondary Data available, Use community participation through Mobile Apps and Social Media Platforms and remote sensing and GIS platforms

Analyse the Data using computers, making 3D models, Use computer simulations to find solutions and finalizing the project

Implement the project

Monitor the project using Social Media Platforms and Remote Sensing

Assess the Impact and the Benefits of the intervention

How Does it Help

Monitoring the shadows would allow to make outdoor dining areas, plazas and grounds where the children can go out playing

Monitoring Solar irradiance can allow you to decide where the roof top gardens should be made and where solar panels would benefit

Monitoring piles of Garbage and Road Congestion, Would also allow us to take the Mode of Transport

Monitoring the wind patterns would allow us to make the city more energy efficient. Less Humidity, More Wind Flow

How IOT Devices Can Help

- **IOT devices on solar panels not only allows us the amount of energy produced but also energy consumption**
- **Smart Sensors can control lighting in buildings and passageways to allow more efficient use of energy, Data can also provide you information regarding movement**
- **Sensors in lifts provide data on its usage and the need for maintenance**
- **Sensors providing Mobility Data help us how to manage traffic and areas where interventions are needed**
- **Sensors placed in Homes allow us to monitor elderly and react in time if help required**
- **Telehealth can help the sick and the elderly by monitoring them at home and deciding when professional help is needed**
- **Intelligent control of Home Devices**

THANK YOU