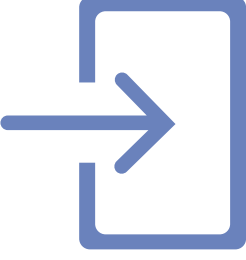
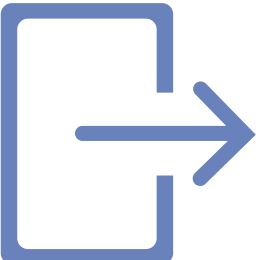
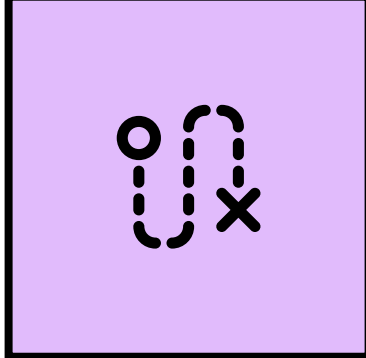
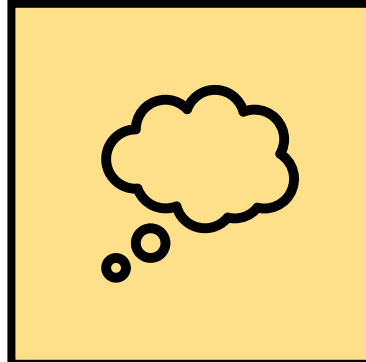
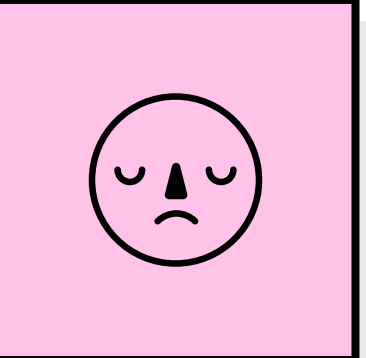
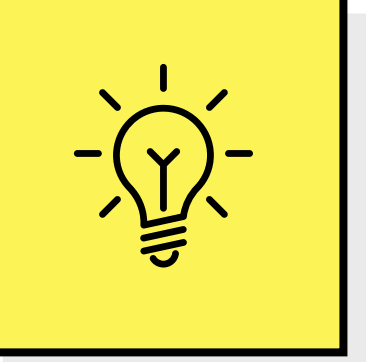


Smart Waste Management System For Metropolitans Cities

PNT2022TMID44941

| <div>SCENARIO</div> <div>Browsing, booking, attending, and rating a local city tour</div> | | <div></div> <div>Entice</div> <div>How does someone initially become aware of this process?</div> | <div></div> <div>Enter</div> <div>What do people experience as they begin the process?</div> | <div></div> <div>Engage</div> <div>In the core moments in the process, what happens?</div> | <div></div> <div>Exit</div> <div>What do people typically experience as the process finishes?</div> |
|---|--|---|--|--|---|
| <div></div> <div>Steps</div> <div>What does the person (or group) typically experience?</div> | | <div><div>collect garbage</div><div>smart city technology evolved together with the developments in wireless sensor network (WSN)and the internet of things</div></div> <div><div>separate waste</div><div>smart city essentially combine the use of ICT to provides for better living conditions inside cities</div></div> <div><div>Alert message send to controlroom</div><div>The current state of technology in the held of smart waste management</div></div> | <div><div>separate collection and sorting</div><div>metropolitan city citizens and workers the dustbin need to empty after it got filled. the overflowing needs to avoid</div></div> <div><div>Expanding the recycling industry</div><div>Trashvan drivers and workers the dustbins need to empty after it got filled.The overflowing needs to avoid.</div></div> <div><div>tye circular economy based as a resources</div><div>monitoring the dumpsters and send the information about the garbage level to the authenticated person to empty the trace can using arduino devices</div></div> | <div><div>Extensive uncontrolled dumping</div><div>The citizens can send the message about the smart dumpsters if any damage on the IOT device occurred.</div></div> <div><div>Prevention</div><div>The current process of waste management starts with the waste being created by people in the cities and disposed in trash bins near it's creation points.</div></div> <div><div>Preparation of reuse</div><div>the lack of resources and capacities and a low level of knowledge</div></div> | <div><div>Fully digital and easy to access</div><div>Awareness, education, preparedness, and prediction and warning systems can reduce the disruptive impact of a natural disaster on communities.</div></div> <div><div>clean city and maintain itself</div><div>The user can contact using our team if they feel any hardness</div></div> <div><div>suitable infrature and maintenance easily</div><div>The device using here is help to update the content regularly</div></div> |
| <div></div> <div>Goals & motivations</div> <div>At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")</div> | | <div><div>clean india</div></div> <div><div>make waste free environment</div></div> <div><div>encourage the recycling industries</div></div> | <div><div>development and improcement of clean technology</div></div> <div><div>reduce ,recycle,and to reuse</div></div> <div><div>encourage the adoption of sustainable production and conseption patterns</div></div> | <div><div>the environment to support the economic development and superior quality of life</div></div> <div><div>waste can be solid,liquid or gas</div></div> <div><div>each type has different method of disposal</div></div> | <div><div>industrial,biological biomedical waste</div></div> <div><div>each type has different methods of disposal</div></div> <div><div>its reduce the dangerous effect</div></div> |
| <div></div> <div>Positive moments</div> <div>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</div> | | <div><div>become a smart city</div></div> <div><div>enhance safety</div></div> <div><div>reduce man power</div></div> | <div><div>effective way to the clean city</div></div> <div><div>ptimization of resources</div></div> <div><div>scarb metal reuse</div></div> | <div><div>quality control improvement and process monitoring</div></div> <div><div>exchange of waste</div></div> <div><div>shipping to the point of use</div></div> | <div><div>reduse harmfull waste water</div></div> <div><div>zero waste</div></div> <div><div>reduce the use of packaging material</div></div> |
| <div></div> <div>Negative moments</div> <div>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</div> | | <div><div>Jobless</div></div> <div><div>Increasing cost of the dustbin</div></div> <div><div>Difficult to maintain the dustbin</div></div> | <div><div>Soil contamination</div></div> <div><div>Water contamination</div></div> <div><div>Air contamination</div></div> | <div><div>Human damage</div></div> <div><div>Harm towards animal and marine life</div></div> <div><div>extreme weather pased by climate change</div></div> | <div><div>Loss of habitats</div></div> <div><div>Incase of any short circuit</div></div> <div><div>Sensor affect by water</div></div> |
| <div></div> <div>Areas of opportunity</div> <div>How might we make each step better? What ideas do we have? What have others suggested?</div> | | <div><div>Smart waste bins</div></div> <div><div>Waste level sensor</div></div> | <div><div>At recycling robots</div></div> <div><div>Garbage truck weighing mechanism</div></div> | <div><div>Pneumatic waste pipes</div></div> <div><div>solar powered trash compacters</div></div> | <div><div>E-Waste klosk</div></div> <div><div>Recycling apps</div></div> |