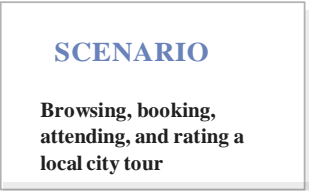













Project Design Phase-II-Customer Journey Map

Gas leakage Monitoring and alerting system

<div><p>SCENARIO</p><p>Browsing, booking, attending, and rating a local city tour</p></div>	<div><p>Entice</p><p>How does someone initially become aware of this process?</p></div>	<div><p>Enter</p><p>What do people experience as they begin the process?</p></div>	<div><p>Engage</p><p>In the core moments in the process, what happens?</p></div>	<div><p>Exit</p><p>What do people typically experience as the process finishes?</p></div>	<div><p>Extend</p><p>What happens after the experience is over?</p></div>
<div><p>Steps</p><p>What does the person (or group) typically experience?</p></div>	<div><div>Proper fixing of gas tube</div><div>Checking the cylinder knob</div><div>Turn of the main supply</div><div>Proper maintenance</div></div>	<div><div>Gaining knowledge about the measurements case of leakage</div><div>checking for low price and good quality products in online</div><div>Searching websites/apps for gas leakage protection</div><div>Studying literature paper about gas leakage monitoring</div></div>	<div><div>fixing the product the industries</div><div>node MCU send data into cloud</div><div>it also send data to the user</div></div>	<div><div>using GSM module, a notification send to user</div><div>the nob of cylinder is closed immediately</div></div>	<div><div>the gas leakage is detection</div></div>
<div><p>Interactions</p><p>What interactions do they have at each step along the way?</p><ul style="list-style-type: none">■ People: Who do they see or talk to?■ Places: Where are they?■ Things: What digital touchpoints or physical objects would they use?</div>	<div><div>feeling ease by finding the problem</div><div>fixing the problem is easy after finding the cause</div></div>	<div><div>wondering about new products based on the problem</div><div>feel comfortable after knowing about secured product for their problem</div></div>	<div><div>feel happy after positioning the product in desired environment</div><div>sharing their experience with others</div><div>feeling more safe in surrounding after placing the product</div></div>	<div><div>feel secure when they are out of town</div><div>don't worry about shutdown of power supply in case of leakage</div></div>	<div><div>their environment feels safe because notification is delivered in time</div></div>
<div><p>Goals & motivations</p><p>At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")</p></div>	<div><div>immediate precaution is taken after detecting</div><div>monitoring the gas levels</div></div>	<div><div>searching best solution/device they needed for the problem</div><div>feel safe after fixing working product</div></div>	<div><div>to provide secure environment to the industry</div><div>checking day to day gas leakage in industry</div><div>the leakage is monitored and alerting to secure environment</div></div>	<div><div>final goal is to achieve gas leakage monitoring</div><div>workers feel secure to work in their industries</div></div>	<div><div>sending notification in realtime</div></div>
<div><p>Positive moments</p><p>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</p></div>	<div><div>Keeping gas levels in check helps save lives</div><div>enables businesses to conduct their operations in compliance</div></div>	<div><div>industrial tools-employing low-cost computing, the cloud, big data analytics, and mobile technologies</div><div>to embrace excellence and reduce unnecessary expenses with scalable IoT solutions</div></div>	<div><div>IoT sensors, modules, software, and other technologies and exchange data with other devices and systems over the internet</div><div>an ethernet shield module and android application, the IoT device informs the end-user about the environmental conditions</div><div>an ethernet shield module and android application, the IoT device informs the end-user about the environmental conditions</div></div>	<div><div>the management to take immediate measures to eliminate harmful (and even fatal) fire blasts</div><div>IoT application development for gas detection is helpful!</div></div>	<div><div>Gain a competitive edge in the connected IoT ecosystem with support</div></div>
<div><p>Negative moments</p><p>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</p></div>	<div><div>if there any technical problem explosion may occur</div><div>due to network issue messages will delay</div><div>sometime difficult to identify whether the leakage is due to external cause of cylinder</div></div>	<div><div>sometime DC motor not work properly</div><div>explosion may occur if sensor take more to sense</div><div>if buzzer didn't sound there is great chance for tragedy</div></div>	<div><div>device may show wrong gas leakage levels</div><div>fixing of gas line in industry is difficult</div><div>evacuating people in industry feel difficult when leakage occur</div></div>	<div><div>cannot able to close the nob of cylinder</div><div>no measures taken due to external cases</div></div>	<div><div>if the program is not inserted then the device may not work</div></div>
<div><p>Areas of opportunity</p><p>How might we make each step better? What ideas do we have? What have others suggested?</p></div>	<div><div>increased industry security</div><div>peaceful environment in industry</div></div>	<div><div>automatic shutdown power supply to prevent the explosion</div><div>immediate action taken automatically when leakage detected</div></div>	<div><div>keep industry against unexpected threat</div><div>it provide 24/7 monitoring</div><div>sensor doesn't drift, ensure accurate result</div></div>	<div><div>low maintenance and low operating cost</div><div>it is reliable technology</div></div>	<div><div>there is no degradation instrument with long term exposure to gas</div></div>