ATMOSCIIRE	Stages Stages user overtakes which	AWARENESS		CONSIDERATION			INTERNET OF TH	HINGS TUTORIAL	GAME PLAY TUTORIAL						GAME CHALLENGES					ARTIFICIAL GENERATED GAME CHALLENGES OUTCOMES						
Atmoscube is a future city-build game powered with Internet of Things (IoT), Artificial Intelligence (AI) and Augmented Reality (AR) technologies. Atmoscube is a digital, tangible and special game consul installed at home. This product is a forward step toward education and development of societies empowerment regarding personal impact on the environmental and biological diversity.	Touch-points Users' actions or interaction points	Past Experience	Awareness	Consideration	Physical Consideration Whysical Consideration	Purchase	IoT introduction	IoT List of devices	Overview of information Overview of information	Information about select-	Land type	How to Select the land	How to Lock around	How to Moving	How to Mack Roads	How to Build Buildings	Facilities	Challenges List	Challenges Outcome	Challenges Completed Challenges Completed	Use the challenge reward	Fix or loss	Accept the challenge to	Rewards	Sharing	Real -life Outcomes
Current State Existing touch-points Future State Proposed new touch-points	Emotions Journey Users emotional state as interacting with touch points																									
Proposed new improvements on existing touch-points	Emotions Stage Users' key emotions at each touch point	Unmotivated	Exited	Interested	Concerned	Exited	Amazed	Interested	Concerned	Relived	Engaged	Interested	Confused	Engaged	Confused	Interested	Amazed	Frustrated	Interested	d Motivated	Glory	Curious	Motivated	Glory	Excited	Empowered
TOUCH POINTS INDICATORS The Internet Icon indicating touch point. Color may vary between sections		Working. Playing old games. Attending to other activities. Exercise.	Hear from friends, App Stores, Education Services, Internet advertisements Museums and zoos.	Game website. Watching game-	Looking at existing setups. Look of the portal in	Collect from store Prepare a place	over: "This game is using Internet of Things technology information received from sensors of ma-	Looking at the cell- phone. Listening to a voice over: "I have send a list of detected sen- sor ready machines and devices to your cellphone." "It helps you to find the sources."	over: "Click on any device and listen to the descriptions about the clicked element."	over: "The information revived from your car indicates that your car has emitted 312 parts-per-million (ppm) CO2 which is higher	over: "You can select your favorite land type by asking me to move forward or back. And select to when you decide." Asking Name to move forward and	land type. Listening to a voice over: "You have selected the Greenland land type."	over: "To rotate command to select "Rotate and slid your finger on top surface of the box." Calling "Rotate" and sliding a finger on the top surface of the box.	over: "Select free move by commanding "Move" and slide your finger on top face of the box." Calling "Move" and sliding a finger on the top surface of the box.	over: "Select road option bey com- manding "Road". Point at the road start point using one finger and stretch the road with another finger. Release both fingers to finalize." "You curve the road	over: "You can select commercial, residential or industrial by calling its name." Call residential. "Now you can highlight a land next to a road as residential by sliding your fin-	n- your city by manag- ing your personal use. The closer to the normal personal use, the better facili- a tation over city."	over: "You can ask me "What is the main problems in th city?"." Asking Name "What is the main problem	over: "You have to complete challenge to achieve more de tailed city build options." "First challenge, Reduce your electricity usage to reduce CO2 emissions."	over: "Your personates electricity usage had e-doped to a green level." "Now you are causing 25% less CO2 emotion." "First park package	al over: "Select park bas calling "Park". Calling "park" Listening to a voice over: "You can select the desired part from the list by point ing at it." Point and pick a present the property of the pick a present the pick a	the city?" Listening to a citizen's voice:"Car are causing traffic ar polluting the air." k "Meanwhile build month of hospitals to help you citizens."	is over: "Your new challenge is walking instead if driving found a week for places in one kilometer radire us."	over: "You have com g plied your first chal- r lenge." n "Now your citizens	 gram box. Setting the city in a favorite view point. 	Opening the car door. Remembering the effects of car driving in the city on air quality. Walking to a bus station. Looking at the world differently.
Car Icon indicating touch point. Color may vary between sections Car Icon indicating touch point. Color may vary between sections Hologram Box Icon indicating touch point. Color may vary between sections	Thoughts Users' thoughts/understanding from each touch point	"I like to play strategy games." "I like the nev- er-ending chal- lenges."	"Ohhh, is there a new game out?" "I heard it is similar to Pokemon Go?"	"I missed my gaming time." "This game is a new generation of gaming."	"I have to buy a portal for the game?" "It is look very nice."	"I am very exited about this game." "This is the new way of living."	"Interesting. How should I know which device or machine is connected." "Can wait to see how it reacts to changes,"		"What the game knows about my car?" "It must not use circumstantial information about me."	9	snow land or jun-	•	"I can see the rotation and trains moves easily." "How can I move back and forward."	"I can see the vast- ness of the land." "How can I build my city."	"Two steps to draw a road is easy."	"It builds the build- ings automatically on the highlighted area." "How the power and other facilities ap- plies?"	,	my self" "What is the prob-	"There is many lights on in room	"Parks are great. They make my city look better." d, "Also the higher lan value means the higher tax rate from that suburb."		of help." "I have to spend all	ket next to my plac	"Also the higher land	day." "Have to make sured everything is perfect."	"Monday again. Have to go to work." "If I drive to work the car will emit CO2!!!" "I may walk or catch a bus"
Interaction with voice Icon indicating touch point. Color may vary between sections Listening to Speaker Icon indicating touch point. Color may vary between sections Interaction with Touch Icon indicating touch point. Color may vary between sections	Goals Users' needs at any touch point	working. Need a break.	engaging game. Accessible every- where. Interested to expe-	tem or physical re- quirements.	perience. Improve the interior design. Up to date with the	tidy. Access the game and portal as			of information detail	I Understand the usage of this information in the game.		c- Chose the best look-ing land type.		How to build roads and the city?	How to build buildings.		? sonal use of facilities	citizens problems to help them toward a	lenges to archive		e and develop the cit	ty to stop citizens from	es Completing the channel lenges to archive better game play experience.		hologram city as a very fancy and bright aquarium to	and virtual world by making better decisions.