

Public Awareness using Game Based Learning – [AwareME]



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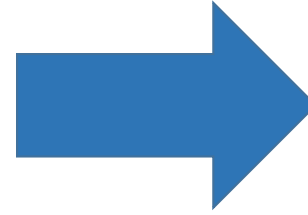
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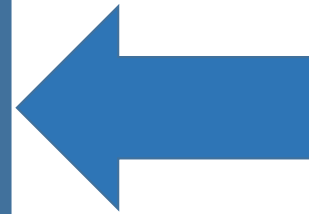
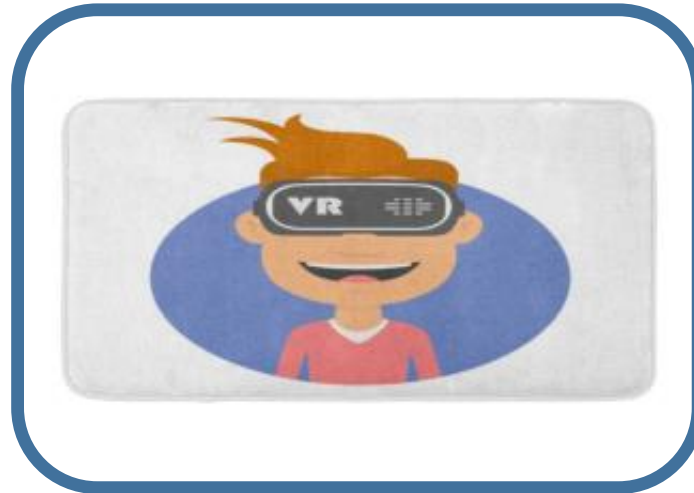
INTRODUCTION



Public awareness programs

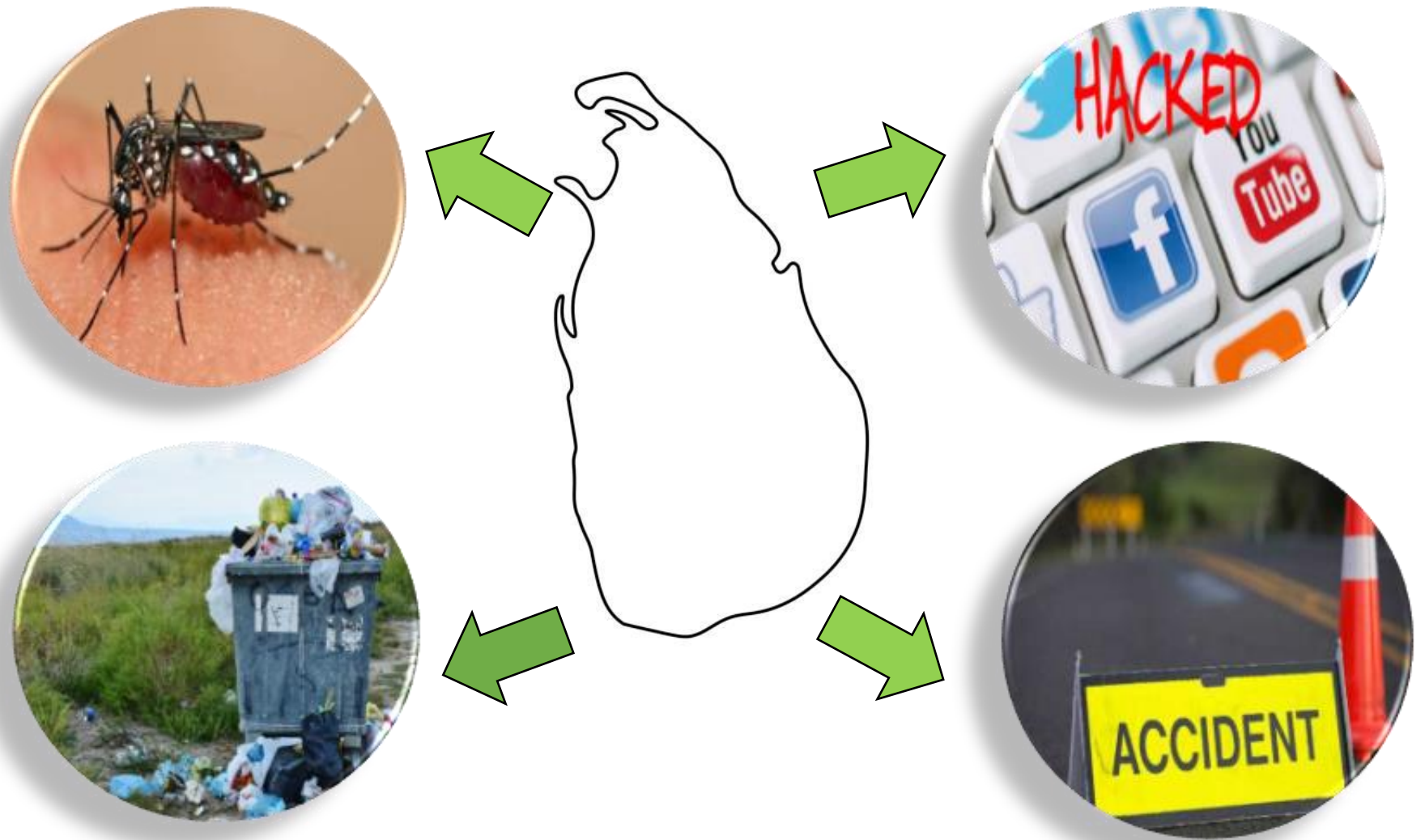


Similar , bored and complex



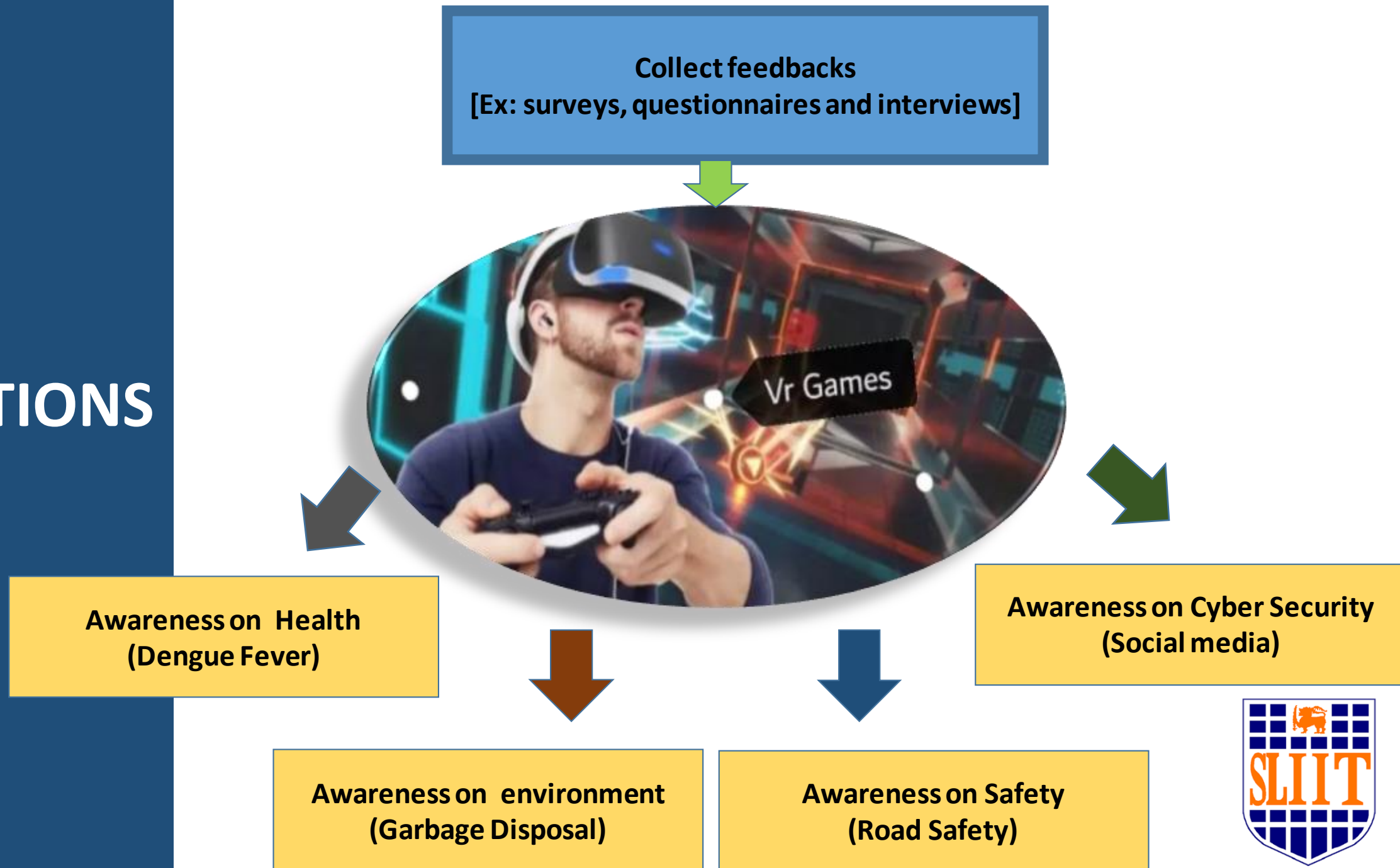
Public awareness through game based learning

RESEARCH PROBLEM



NO single public awareness platform

SOLUTIONS



OBJECTIVES

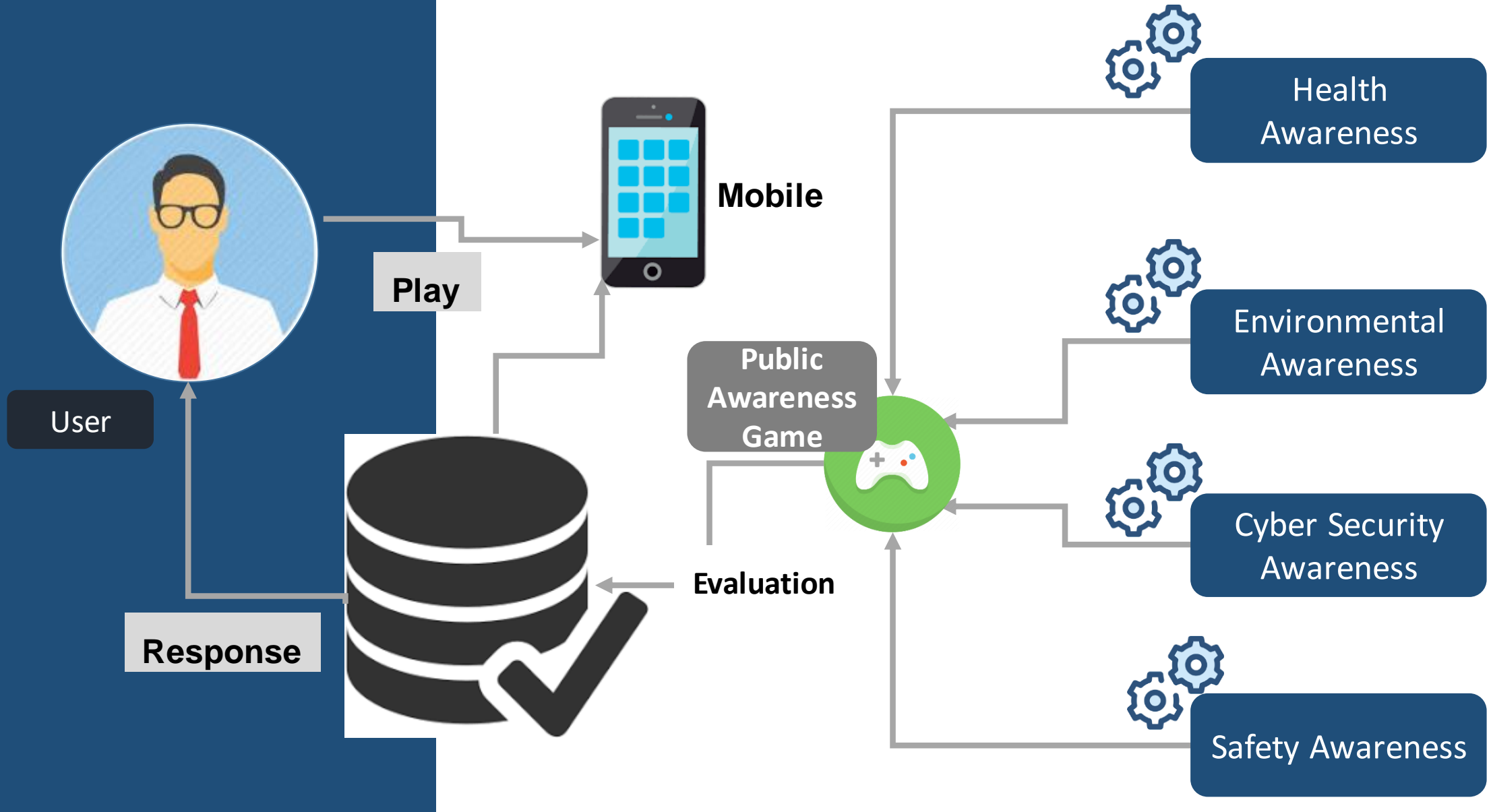
To improve the quality of people by making them aware on environmental, safety, health and cyber security problems, using game based learning platform

Specific objectives;

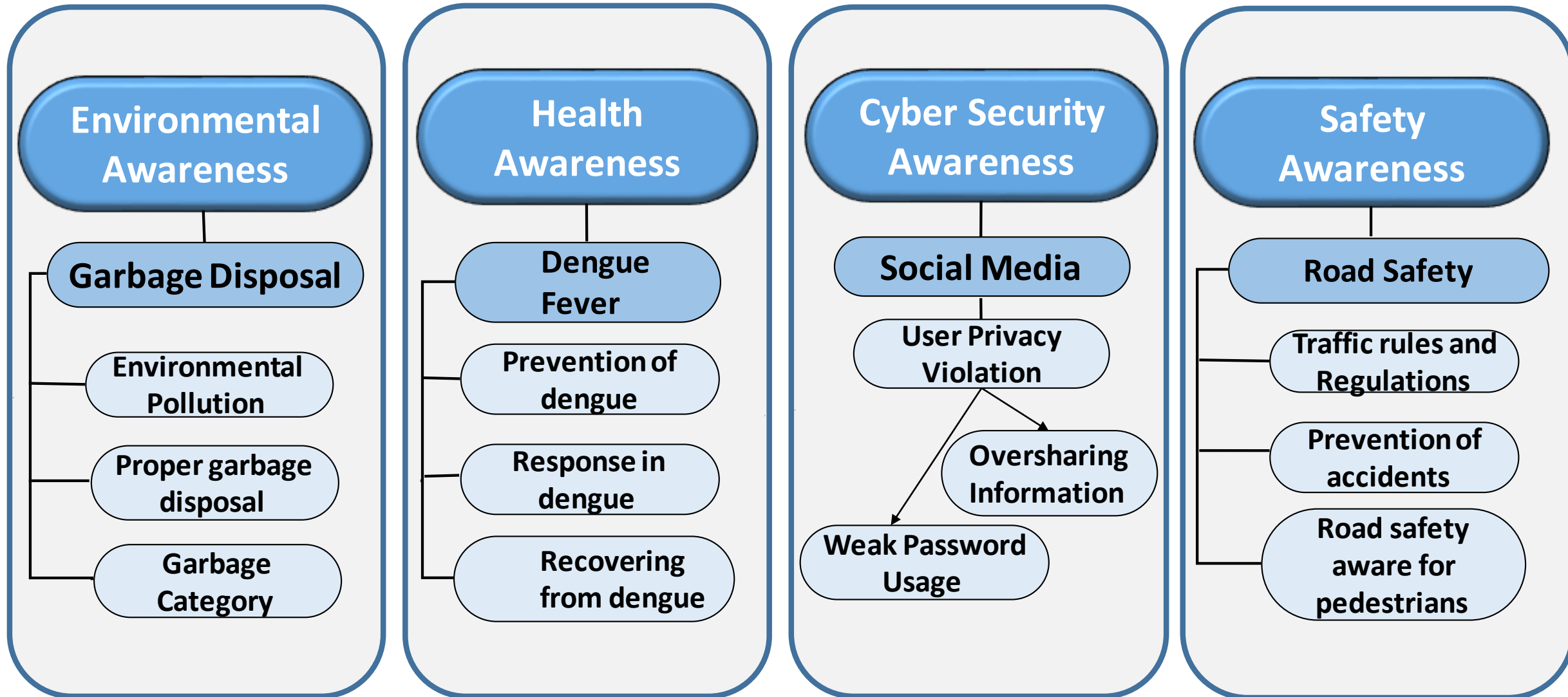
- ☐ To enhance the life span of humans through awareness on prevention of dengue
- ☐ To save the nature by effective awareness on garbage disposal
- ☐ To ensure the privacy and security in social media
- ☐ To minimize accidents by enhancing road safety



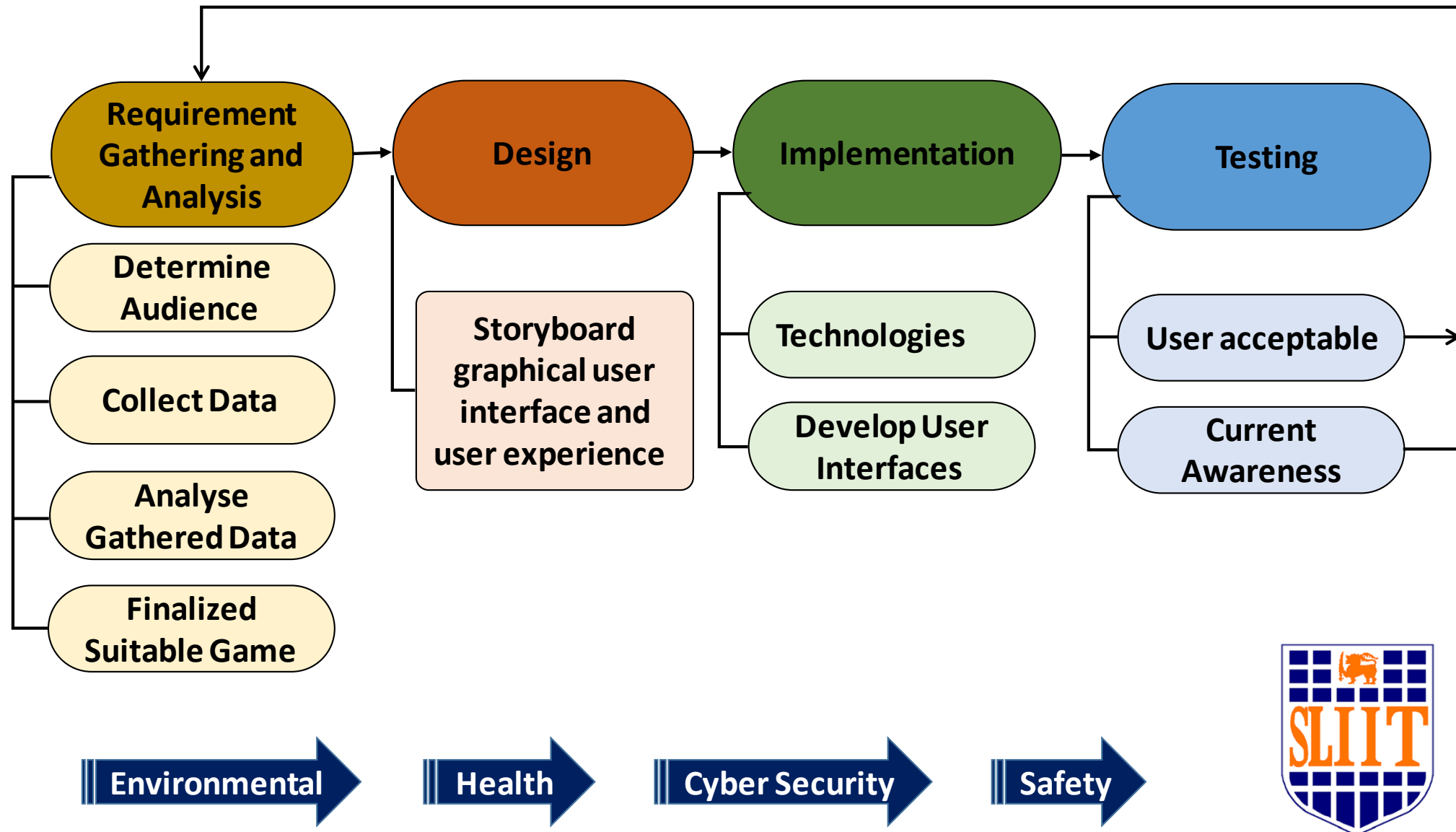
SYSTEM DIAGRAM



METHODOLOGY



PROCESS



Literature review and Research Gap

(Environmental Awareness – Garbage Disposal)

Environmental Awareness [Garbage Disposal]	Features	Trash Attack [1] 2019	iTrash [2] 2016	Attack of the Recyclops [3] 2018	Proposed game[AwareME]
	Segregation of garbage (Bio-degradable, degradable, recycling)	✓	✓	✓	✓
	Proper waste disposal	✗	✗	✗	✓
	Improve Problem solving ability	✗	✗	✗	✓
	2D / 3D	✓	✓	✓	✓
	Virtual reality	✗	✗	✓	✓



Objectives

To save the nature by effective awareness on garbage disposal



Literature review and Research Gap (Health Awareness – Dengue Fever)

Health Awareness [Dengue Fever]	Features	Sherlock Dengue Game [4]	Good bye dengue Game [5]	Design & Development Serious dengue game [6]	Dengue haemorrhagic fever game [7]	Proposed Game [AwareME]
	Identifying the abilities of the player should improve	✓	✗	✗	✗	✓
	Identifying the most suitable game to develop	✗	✓	✗	✓	✓
	Virtual Reality	✓		✓	✗	✓
	3D modeling	✓	✗	✓	✗	✓



Objectives

To enhance the life span of humans through awareness on prevention of dengue



Literature review and Research Gap (Cyber Security Awareness – Social Media)

Cyber Security Awareness [Social Media]	Features	social4school	Friend inspector	CyberCIEGE	Proposed game(AwareME)
	User privacy violation awareness	✓	✓	✗	✓
	Using virtual reality	✗	✗	✗	✓
	Weak password and oversharing information awareness in Facebook	✗	✗	✗	✓
	Identification of user abilities	✗	✗	✗	✓
	No restrictions for different ages	✗	✗	✗	✓



Objectives

To ensure the privacy and security in social media



Literature review and Research Gap (Safety Awareness – Road Safety)

Safety Awareness [Road Safety]	Features	Road Safety Awareness among College Students in a North Indian Town[11]	Computer Games as Learning Children Road Safety Education [12]	Tackling children's road safety [13]	Using VR with smart phones for road safety awareness and timing[14]	Proposed game [AwareME]
	Rules of road(crossing the road, traffic accidents)	✓	✗	✗	✓	✓
	Audience(Children)	✓	✓	✓		✓
	VR	✗	✗	✗	✓	✓
	2d	✗	✓	✗	✗	✓
	Using ability	✗	✗	✗	✗	✓



Objectives

To minimize accidents by enhancing road safety



TECHNOLOGIES



Helping build the highest-quality apps for Android device.



Unity is the best app for Game development. It can be use for create 3d and 2d model.



It using for creating visual effects, art, 3D models , developing game.



It is using for image editing and creating image compositions



It can be using to create a database in our android application.



Audition is using for audio restoration and sound archive work.



Illustrator is used to create charts, diagrams, graphs, logos.



Business Model



Mobile Application



Public
Awareness
Games



School



Divisional
Secretariat



NGO



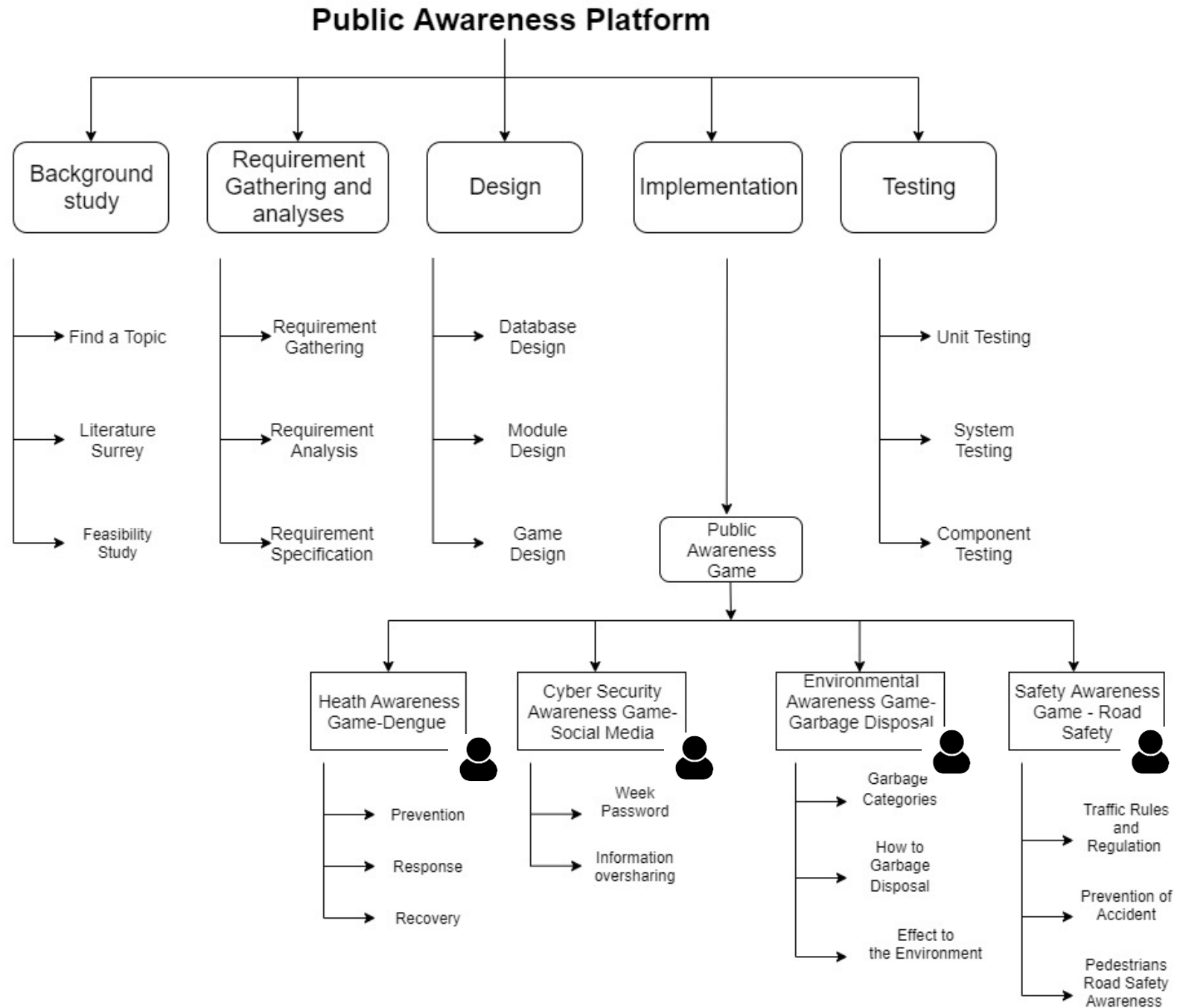
Awareness
Sessions



Hospital



BREAKDOWN CHART

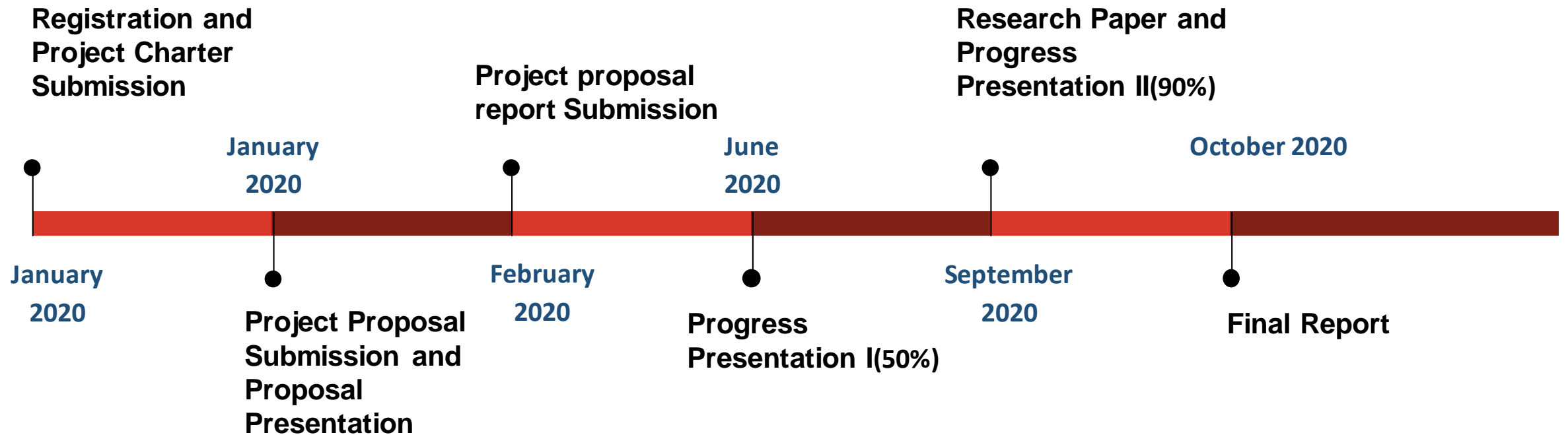


BUDGET

Requirement	Description	Price per unit (Rs.)	Quantity	Total(Rs.)
Special Software and Hardware	VR Box and Joystick	15000.00	1	15000.00
Documenting and Binding	Document hard copy printings			3500.00
	Binding cost			1500.00
Total Cost				20000.00



TIMELINE



EXPECTED OUTCOME

- ❑ Generate players who are aware of the dengue fever,garbage disposal,social media and road safety



REFERENCE

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[11] https://www.researchgate.net/publication/320186450_Road_Safety_Awareness_among_College_Students_in_a_North_Indian_Town
Road Safety Awareness among College Students in a North Indian Town

[12] Computer Games as Learning Children Road Safety Education
<https://www.semanticscholar.org/paper/Computer-Games-as-Learning-Tool-towards-Children-Hussin-Fouzi/3730b9d6b1849877645eacc1e597a4590a47b53a>

[13] <https://academic.oup.com/her/article/18/4/493/643541>
Tackling children's road safety

[14] <https://dl.acm.org/doi/10.1145/3328243.3328261>
Using VR with smart phones for road safety awareness and timing

Q&A

