HELPERS

RAIN WATER HARVESTING

GROUP NO-01

OUR TEAM

MANASVI TRIPATHI

4 SUMIT MHALASKAR

2 OMKAR SHELAR

5 OM LOHOKANE

3 DHANANJAY SHINDE

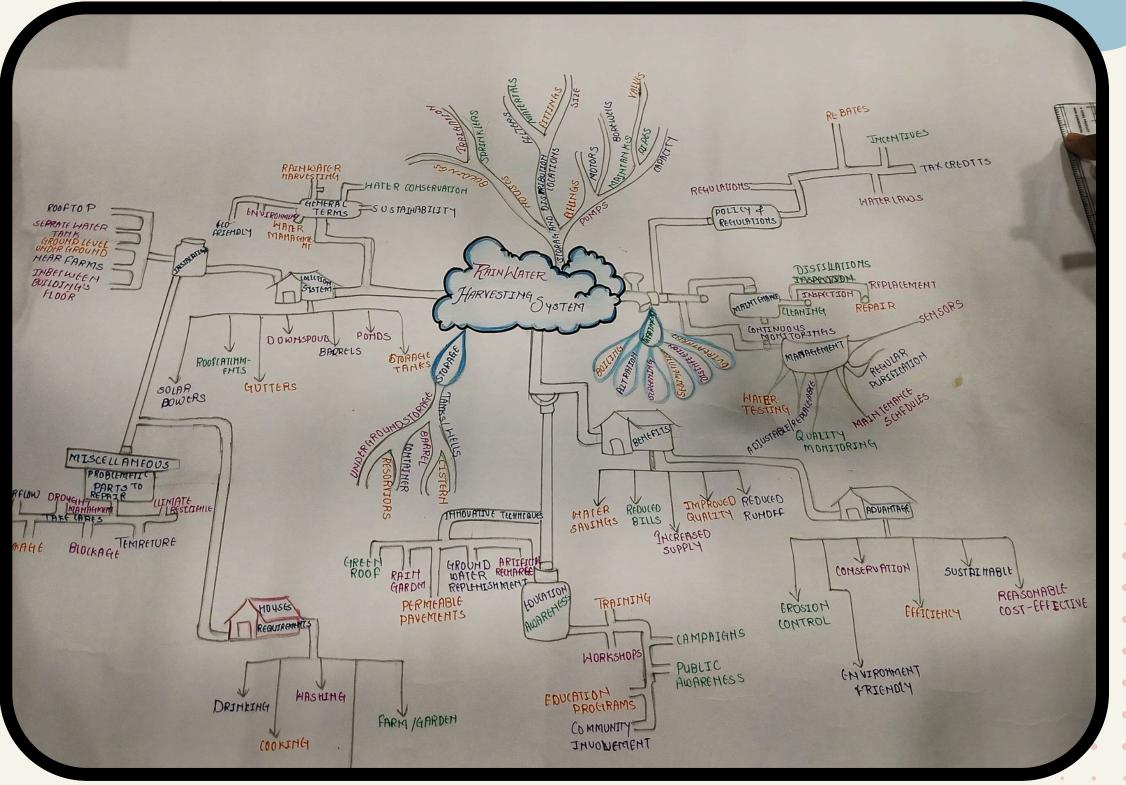
PROBLEM STATEMENT:

• In Maharashtra, water shortages, poor quality, and dried wells persist despite sufficient rainfall. The government faces challenges providing a consistent, clean water supply to rural and urban areas. Many communities lack proper rainwater harvesting systems and efficient management, resulting in unreliable water resources.

MIND MAP

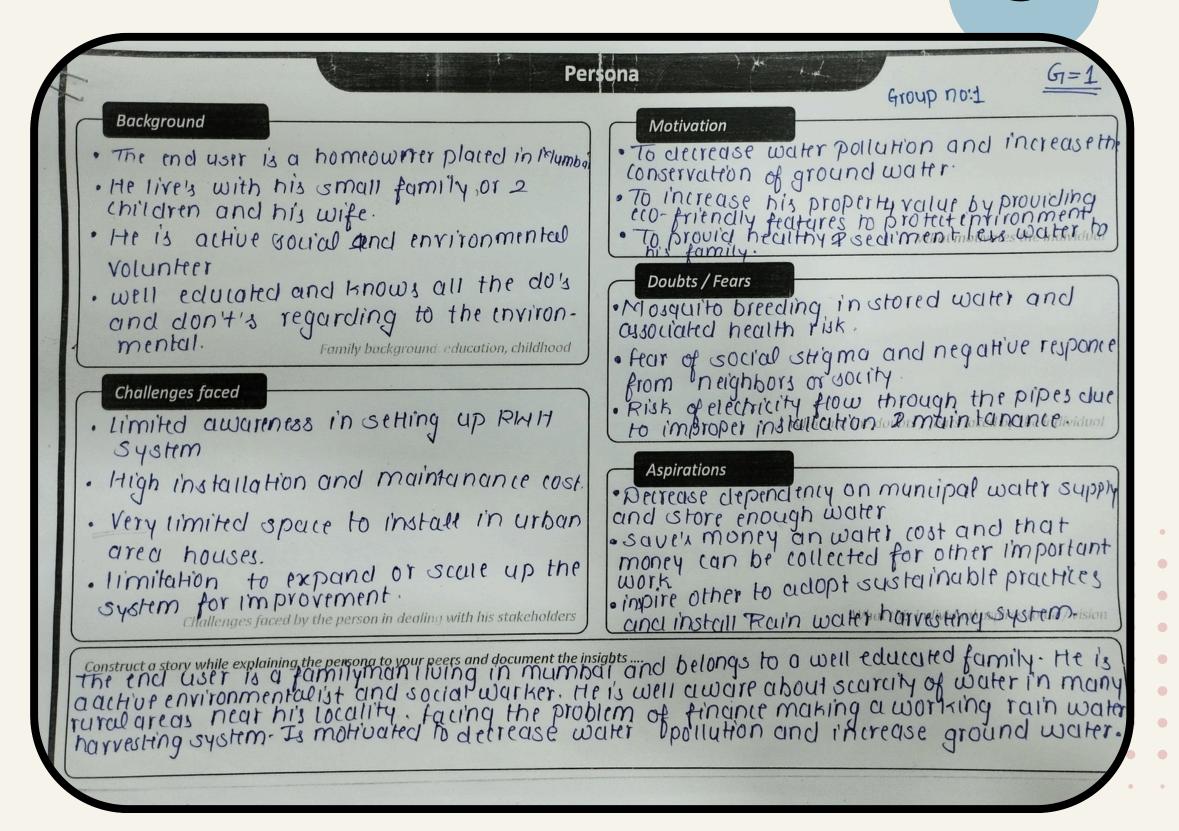
Objective

To create a mind map that visually illustrates the key challenges and solutions related to rainwater harvesting, system management, and monitoring.



Objective

To create a persona that represents the end user's needs and challenges in water management.



5W1H

Objective

The 5WIH technique is a questioning method that helps you understand a situation by asking six basic questions: what, who, when, where, why, and how

WHY	WHY USER SHOULD USE THIS RWH SYSTEM
	WHY THERE IS NO FILTRATION IN CURRENT SYSTEM
WHAT	WHAT ARE THE DRAWBACKS
	WHAT WILL HAPPEN IF THERE IS NO RAIN
WHEN	WHEN DOES TANK SHOULD BE CLEANED
WHERE	WHERE DOES WATER GET CONTAMINATED
	WHERE DOES CURRENT SYSTEM FAILS
WHO	WHO IS RESPONSIBLE FOR REGULAR MAINTENANCE
HOW	HOW TO TRACK QUALITY & QUANTITY OF WATER
	HOW TO RESOLVE ANY QUERY ABOUT SYSTEM
	HOW TO INSTALL A PROPER SYSTEM

THEORY OF PRIORITIZATION

Objective

TO FINDOUT THE PROBLEM ON WHICH WE SHOULD FOCUSE & TRY TO FIND ITS SOLUTION

	TEM	S RWH SYS	D USE THI	SER SHOUL	WHY U	
320	100	10	100	10	100	
	WHY THERE IS NO FILTRATION IN CURRENT SYSTEM					
3110	10	100	1000	1000	1000	
	WHAT ARE THE DRAWBACKS					
320	10	100	10	100	100	
	WHAT WILL HAPPEN IF THERE IS NO RAIN					
1310	100	1000	10	100	1000	
	WHERE DOES WATER GET CONTAMINATED					
4100	100	1000	1000	1000	1000	
	WHEN DOES TANK SHOULD BE CLEANED					
4100	1000	1000	1000	100	1000	
	WHERE DOES CURRENT SYSTEM FAILS					
2210	10	100	100	1000	1000	
Ē	WHO IS RESPONSIBLE FOR REGULAR MAINTANANCE					
5000	1000	1000	1000	1000	1000	
	HOW TO TRACK QUALITY & QUANTITY OF WATER					
2300	100	100	1000	1000	100	
	HOW TO RESOLVE ANY QUERY ABOUT SYSTEM					
5000	1000	1000	1000	1000	1000	
	HOW TO INSTALL A PROPER SYSTEM					
3200	1000	100	1000	1000	100	

SCAMPER

Objective
 Generate new product ideas or improvements by applying SCAMPER techniques to an existing product or service.

Substitute: Instead of traditional gultur what if we used decorate rain chains that also serve as art piess in garden

Combine: solar-powerer system filtration system for drinking or irrigation.

Adopt: The design of rooftop gardens or green roots to integrate rain water collection directly.

Modify: the system to include sensors and smart technology that monitor water levels and usage like the design

Put-to-another use: The stored rainwater to another use by connecting it to a cooling system for buildings

Eliminate: The news for large under ground tanks by using modicular above ground easily expanded or relocated as needed.

Reverse: Instead of harvesting rainwater tank about how excess water can be used creative like generating power with small hydrocarbons during heavy rainfall.

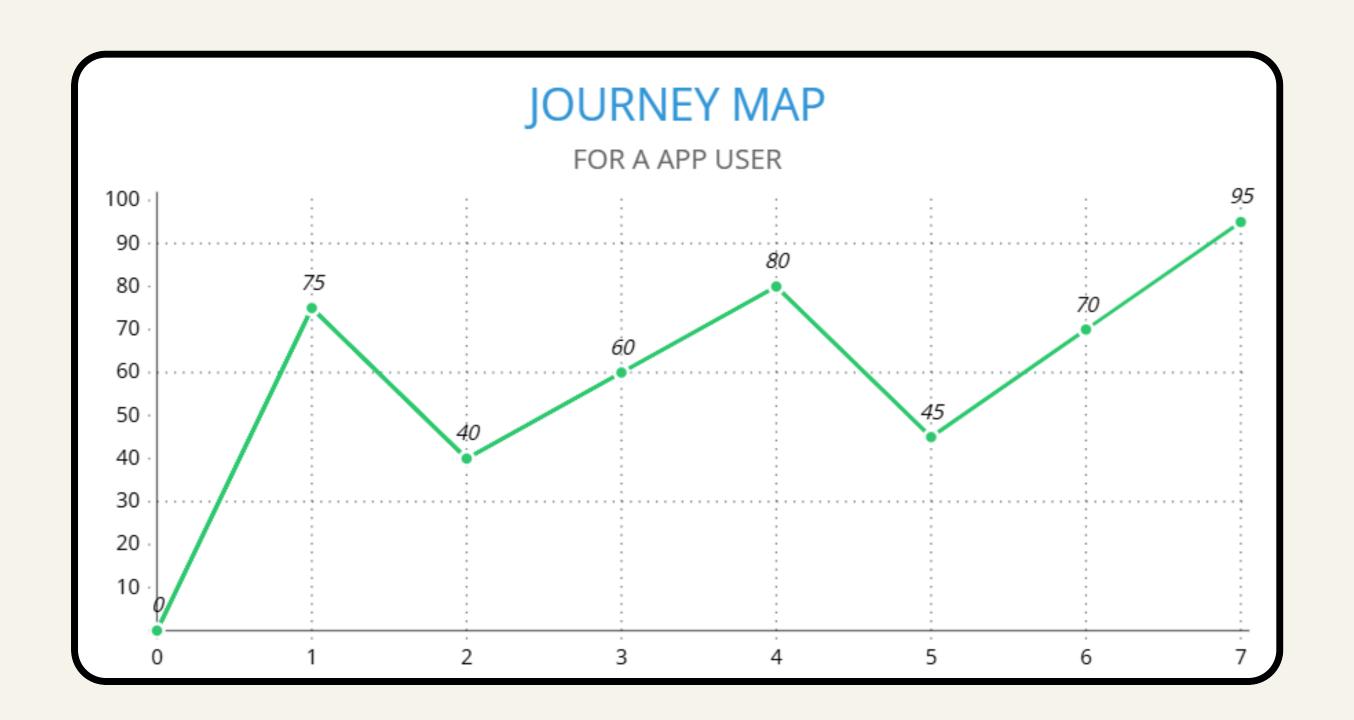
JOURNEY MAP FOR COMMAN PERSON

Objective

to visualize and understand the user's experience & emotions

	The user explores the app to learn about
EVENIT 1	
EVENT 1	the rainwater harvesting system and
	places an order.
	The user receives an order confirmation,
EVENT 2	including delivery details and estimated
	installation date.
	The user tracks the status of delivery and
EVENT 3	schedules the installation through the
	app.
	The system is installed, and the app
EVENT 4	provides a walkthrough to set up
	monitoring features.
	The user configures the app to monitor
EVENT 5	water levels, usage patterns, and system
	performance.
	The app sends alerts for maintenance
EVENT 6	needs and provides system performance
	updates.
EVENT 7	The app generates monthly reports on
	water savings and environmental impact,
	along with personalized tips for
	improvement.

JOURNEY MAP FOR COMMAN PERSON



THANKYOU