



REVA HACK </> 2023

Technology Beyond Imagination

POWERED BY : IEEE



Streamline, Track, Communicate

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Choice of track

THIS PROJECT FOLLOWS **OPEN INNOVATION** BY WORKING WITH OTHERS, SHARING DATA, AND USING EXISTING TECH. IT SEEKS OUTSIDE HELP AND FUNDING TO IMPROVE WATER SUPPLY COMMUNICATION TRACKING, CREATING A BIGGER NETWORK OF IDEAS AND RESOURCES IN WATER MANAGEMENT.



Problem Statement

INADEQUATE COMMUNICATION AND AWARENESS ABOUT WATER SUPPLY
TIMINGS BETWEEN ADMINISTRATORS AND THE PUBLIC NECESSITATES.
A WATER SUPPLY COMMUNICATION TRACKING WEB APPLICATION.



Opportunity

HOW WILL IT BE ABLE TO SOLVE THE PROBLEM ?

IT ADDRESSES THE NEED FOR EFFICIENT TRACKING, MONITORING, AND COMMUNICATION RELATED TO WATER SUPPLY, WHICH IS CRUCIAL IN VARIOUS SECTORS, INCLUDING MUNICIPAL WATER UTILITIES, AGRICULTURE, INDUSTRY, AND ENVIRONMENTAL MANAGEMENT.

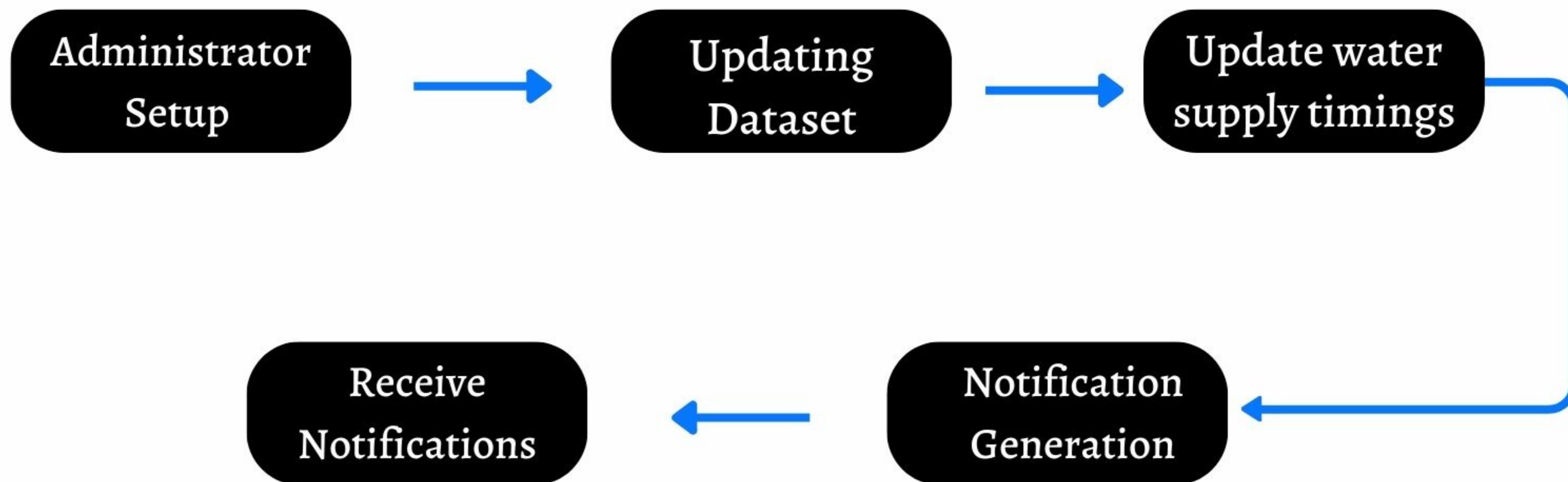


Problem Solution

THE WATER SUPPLY COMMUNICATION TRACKING WEB APPLICATION IMPROVES COMMUNICATION AND AWARENESS OF WATER SUPPLY TIMINGS. ADMINISTRATORS EASILY UPDATE TIMINGS, WHILE USERS RECEIVE NOTIFICATIONS TO PLAN ACTIVITIES EFFECTIVELY. IT ENHANCES EFFICIENCY AND FACILITATES BETTER WATER SUPPLY MANAGEMENT.



Work flow





Software Description

1. FRONT-END: VUE.JS
2. UI/UX DESIGN: ADOBE XD
3. BACKEND: NODE.JS
4. DATABASE: MONGODB
5. USER AUTHENTICATION:
JSON WEB TOKEN (JWT)
6. API INTEGRATION
7. DEPLOYMENT AND CLOUD HOSTING
8. TESTING AND DEBUGGING
9. CI/CD
10. SECURITY BEST PRACTICES.



WHY SHOULD YOU CHOOSE OUR TEAM ?

EFFECTIVE COLLABORATION:

OUR ACHIEVEMENTS IN COLLEGE LEVEL COMPETITION IS THE BEST EXAMPLE FOR OUR TEAM COLLABORATION. WE SUPPORT EACH OTHER ON SHARING THE KNOWLEDGE AND IN-TERMS OF DISCOVERING NEW TECHNOLOGIES

RESULTS-ORIENTED ACHIEVEMENTS:

WE HAVE ACHIEVED BEST PRESENTATION AWARD FOR OUR AQUA NOTIFY PROJECT CONDUCTED BY PCI(PROJECT CONTEST INNOVATION)

ADAPTABILITY :

OUR TEAM WILL ADAPT TO DIFFICULT SITUATIONS AND COME UP WITH BEST EFFECTIVE SOLUTIONS TO OVERCOME THE PROBLEM

INNOVATIVE IDEAS:

OUR TEAM BELIEVES THIS PROJECT HAS THE POTENTIAL TO REVOLUTIONIZE THE WATER MANAGEMENT SYSTEM. WE ARE EXCITED TO SHOWCASE THIS INNOVATION DURING THE HACKATHON

future SCOPE

Our future goal is to revolutionize the water supply industry through AI-driven automation. By leveraging advanced artificial intelligence technology, we aim to create a smart and sustainable water distribution system. Through this automation, we strive to enhance efficiency, reduce operational costs, and prepare for future challenges in water supply management. Our commitment to innovation and sustainability drives us to develop an intelligent system that guarantees reliable and accessible water supply for generations to come.



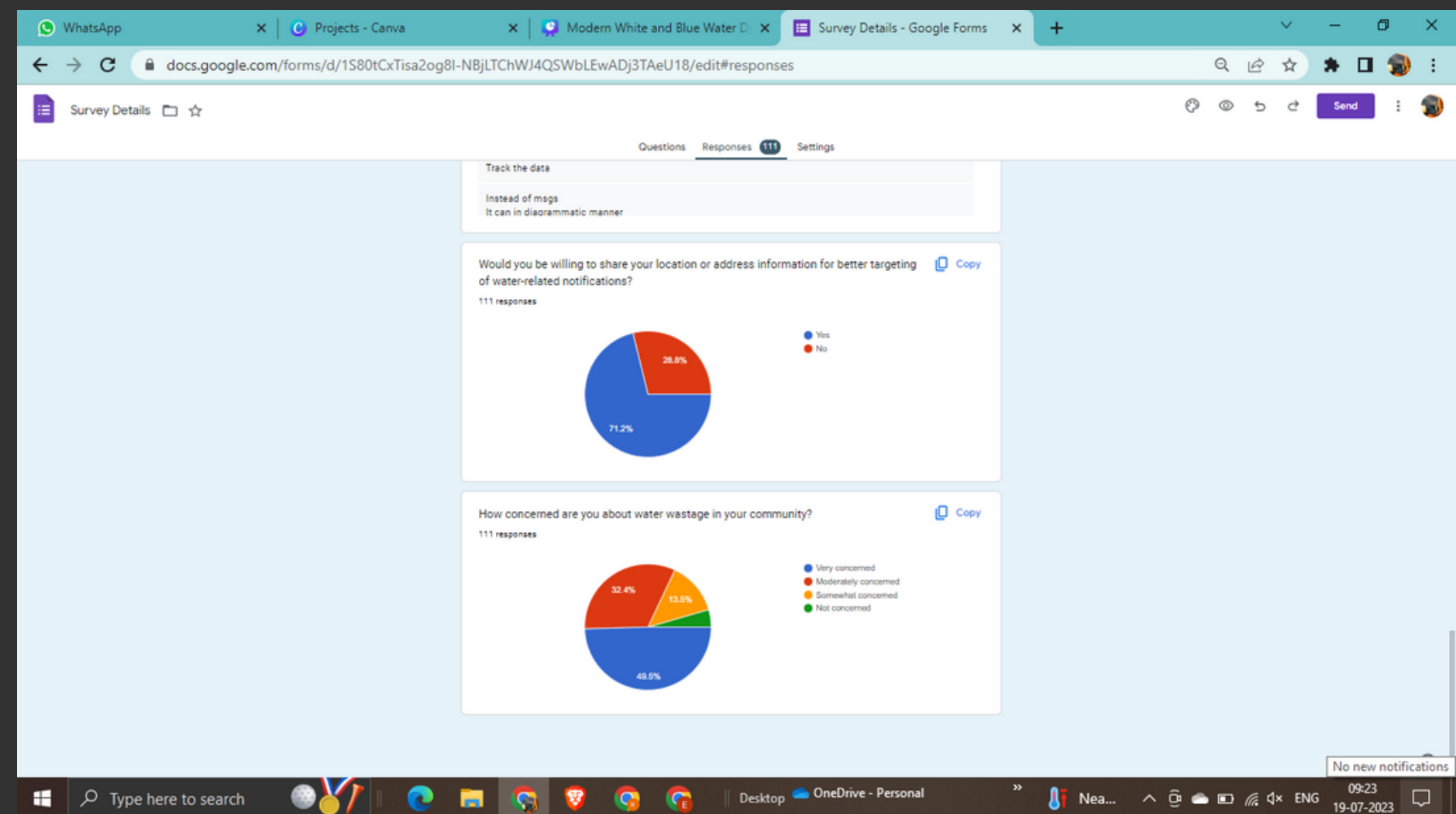
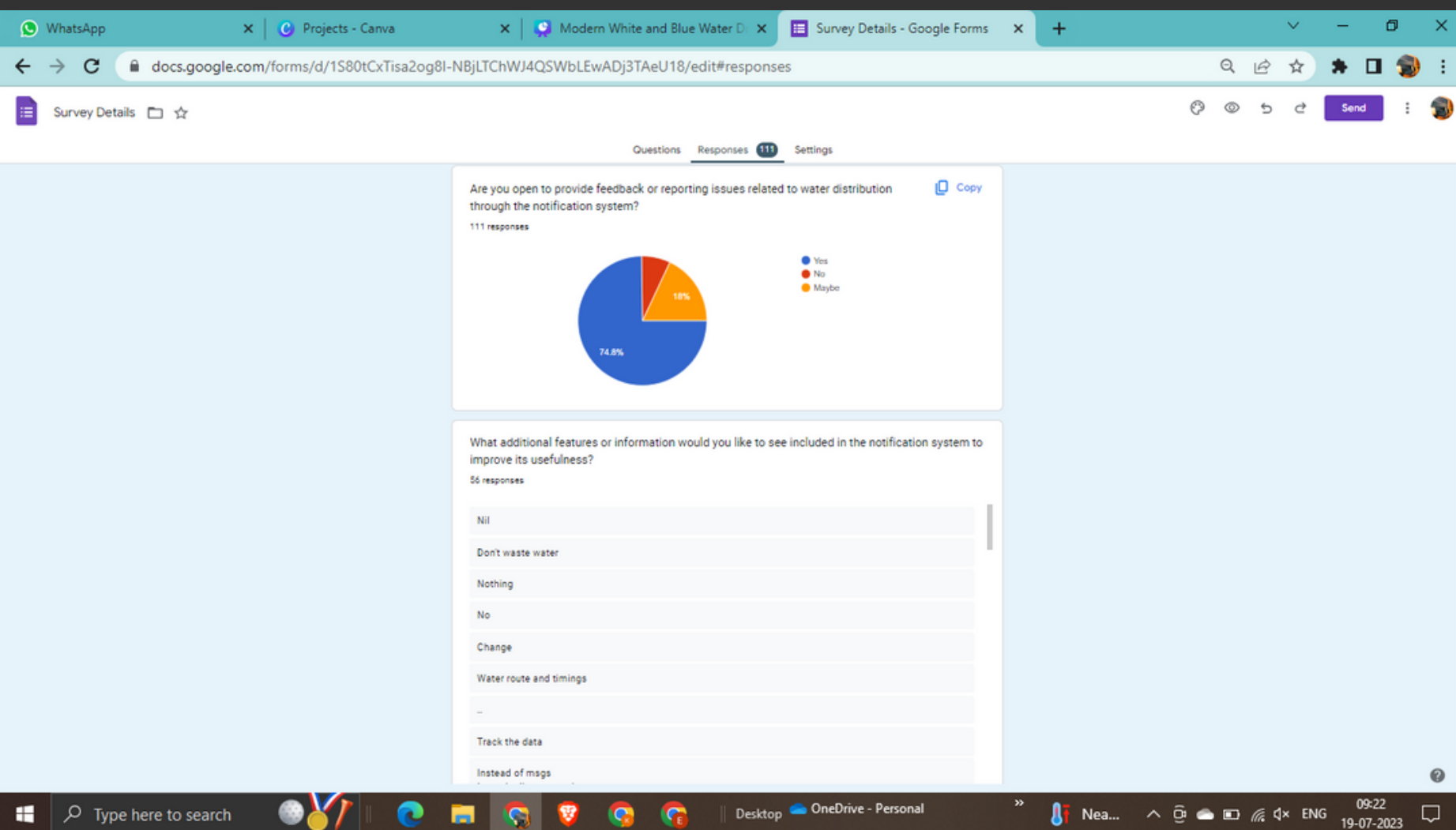
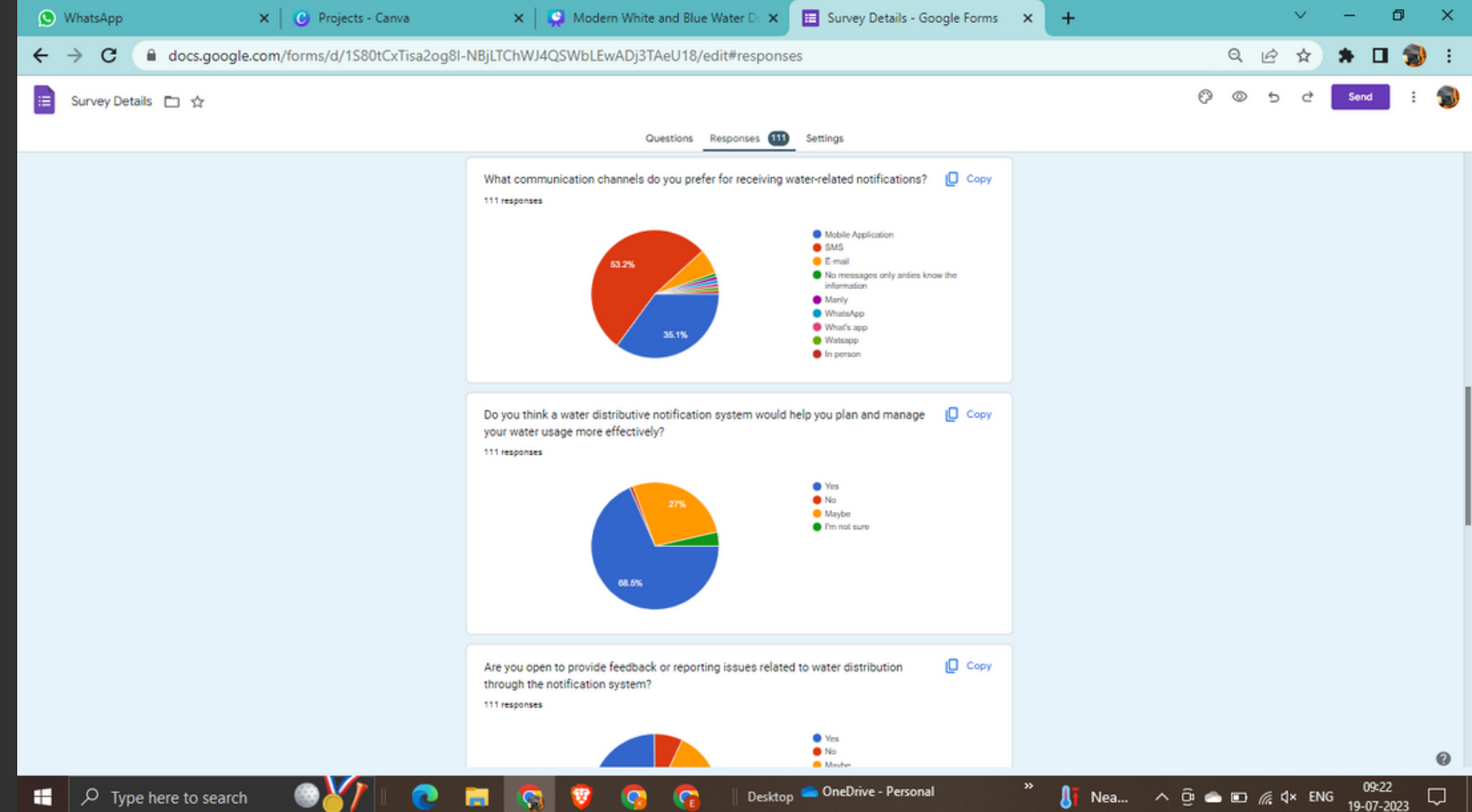
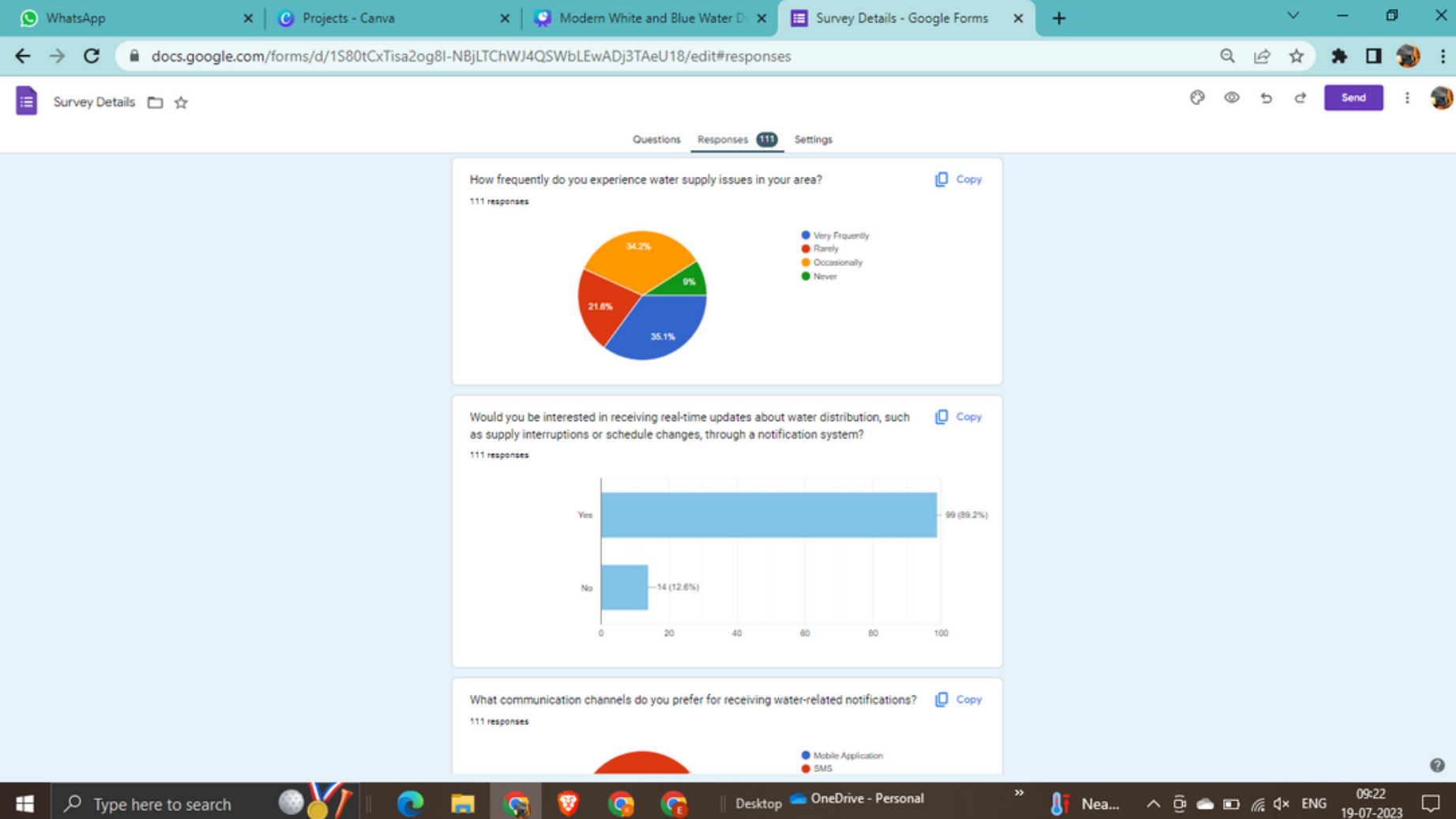
AquaNotify
Hello user2a34x7 🖐️
Water from Coimbatore, Sulur municipality to Kadampadi panchayat, Defence colony has been scheduled on today 11:00am to 12:30pm.
Thank you ,Have a cool day 😊

AquaNotify
Hello user2a34x7 🖐️
Water from Coimbatore, Sulur municipality to Kadampadi panchayat, Defence colony has started to stream.
Thank you ,Have a cool day 😊



A stylized, light blue line-art map of a city grid is overlaid on a dark blue background. The map features a dense network of streets, with some major thoroughfares highlighted by thicker lines. The overall aesthetic is clean and modern, typical of urban planning or transportation-related graphics.

SURVEY DETAILS



*Thank
You*