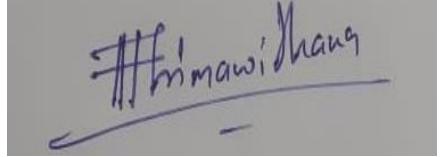
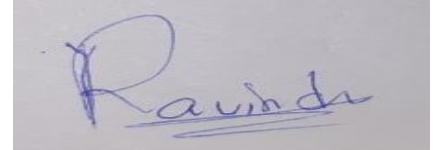
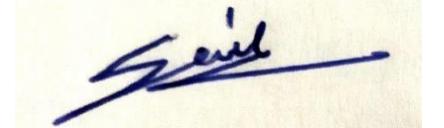




SE102.3
Web Application Development
Group Project

Group Name: Group 07
Batch No: 20.3

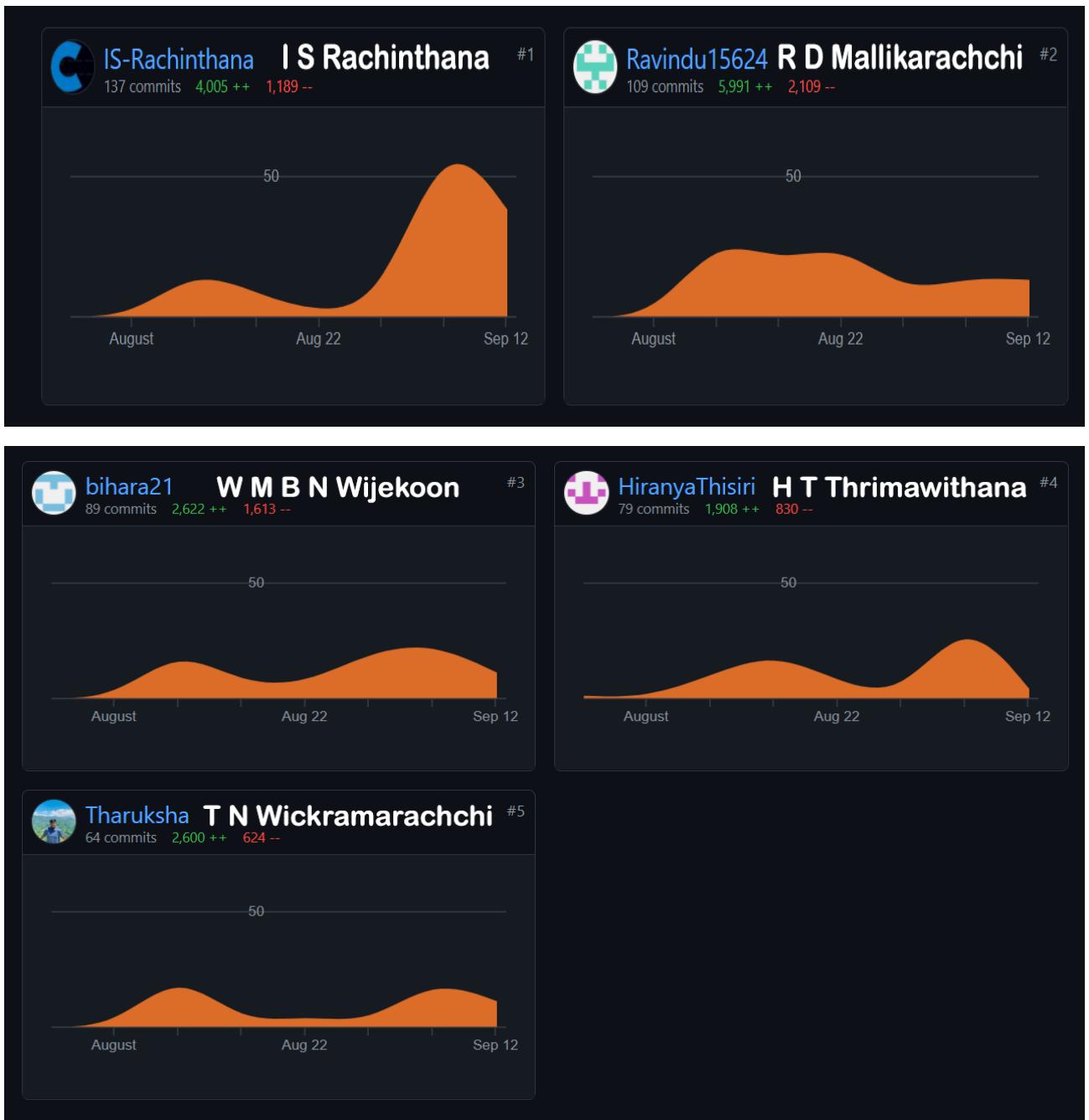
Group Details

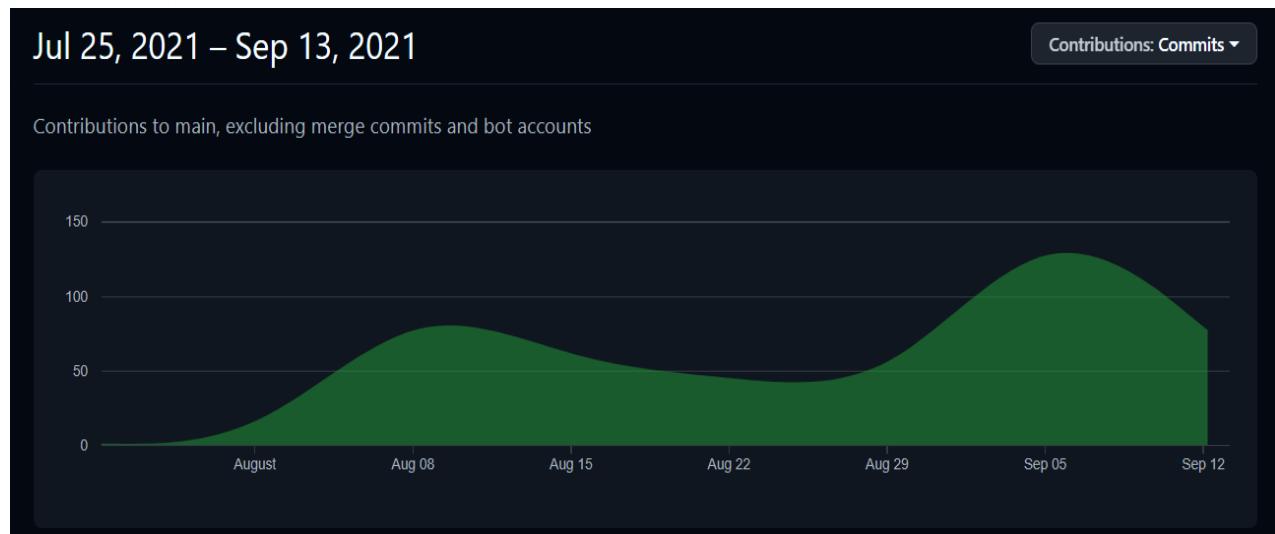
Group Number	Student Number	Student Name	Degree Program	Phone Number	Signature
07	21526	H T Thrimawithana (Group Leader)	Management Information Systems	0713871667	
	21377	R D Mallikarachchi	Management Information Systems	0773917796	
	21447	I S Rachinthana	Management Information Systems	0766031056	
	21347	T N Wickramarachchi	Software Engineering	0776505185	
	21546	W M B N Wijekoon	Management Information Systems	0703981132	
		Project Details			
Title		Save Aqua for a Better Future			
Module Leader		Mr. Chaminda Wijesinghe			

Workload Matrix

No	Full Name	Student Identity Number	Contribution
1	H T Thrimawithana (Group Leader)	21526	20%
2	I S Rachinthana	21447	20%
3	R D Mallikarachchi	21377	20%
4	T N Wickramarachchi	21347	20%
5	W M B N Wijekoon	21546	20%

Git Hub Contributions





We developed our website using Github and host the website using 000webhost powered by HOSTINGER.

- Github Link:

<https://github.com/HiranyaThisiri/Group-07-WEB-PROJECT.git>

- Website Link:

<https://saveaqua.000webhostapp.com/>

- Web Host Mail Address:

abctutu86@gmail.com

- Web Host Password:

Doba@2001

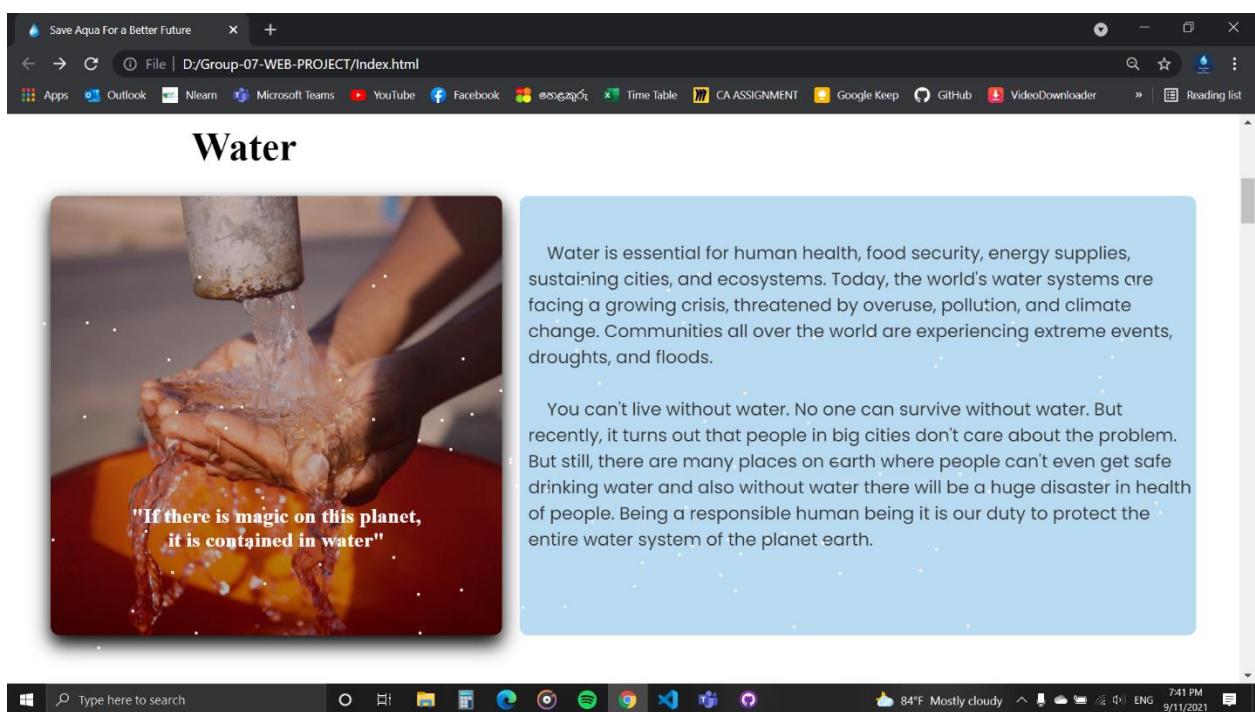
- Website Database:

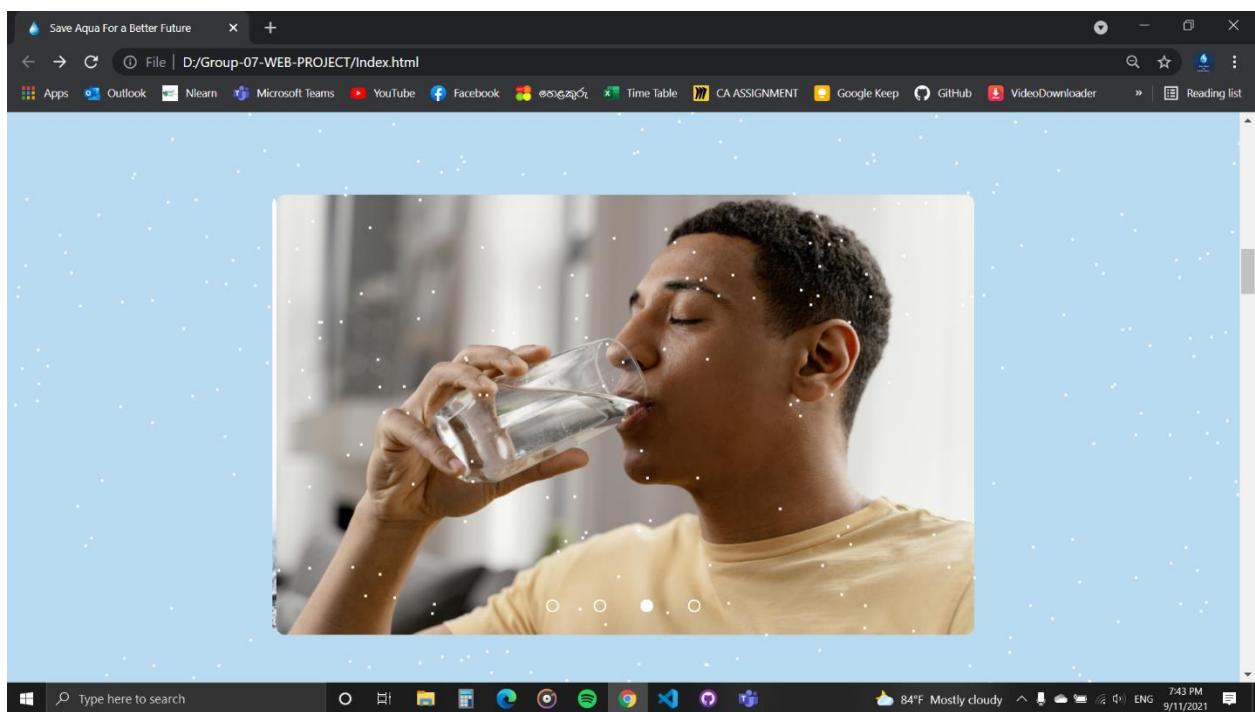
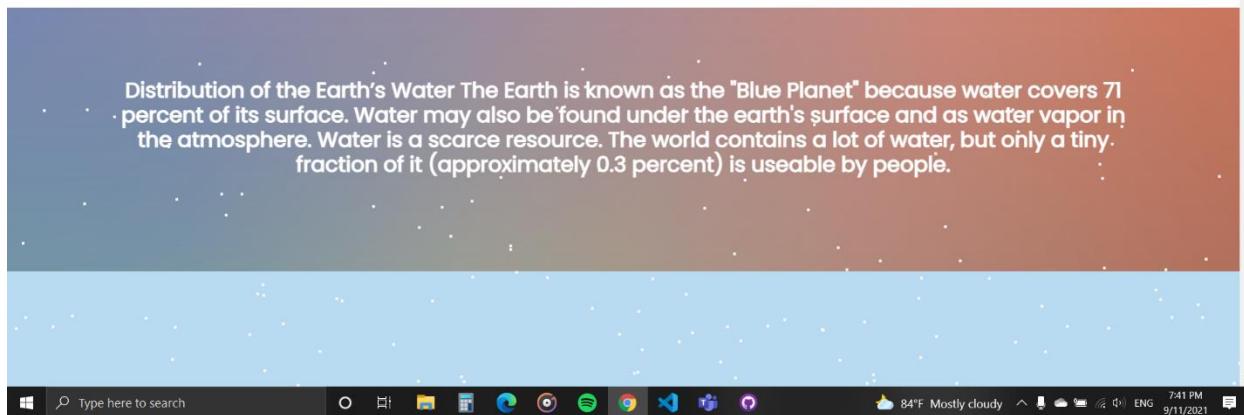
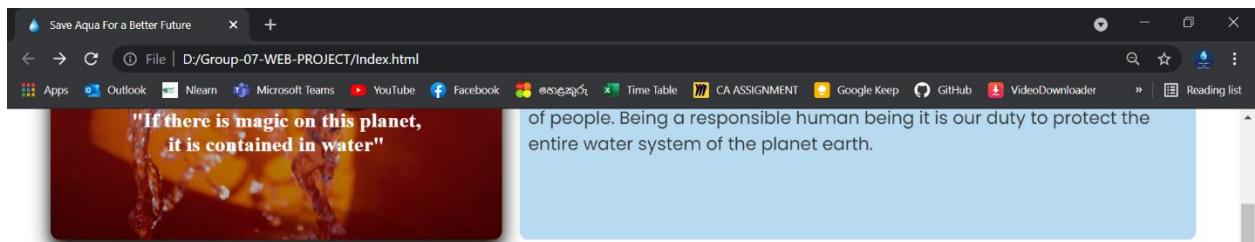
My Databases			+ New Database	1/2
DB Name	DB User	DB Host		
id17576355_save_aqua_db	id17576355_saveaqua2030	localhost	Manage ▾	

Use the above Website link to visit the web site.

Web Site Screenshots

Home Page (R D Mallikarachchi's Page)





Save Aqua For a Better Future

← → C File | D:/Group-07-WEB-PROJECT/Index.html

Apps Outlook Nlearn Microsoft Teams YouTube Facebook Time Table CA ASSIGNMENT Google Keep GitHub VideoDownloader Reading list

Sanitation

Sanitation is the process of keeping places clean and healthy, especially by providing a sewage system and a clean water supply. Preventing human contact with feces is part of sanitation, as is hand washing with soap. Sanitation systems aim to protect human health by providing a clean environment that will stop the transmission of disease, especially through the fecal–oral route.

For example, diarrhea, a main cause of malnutrition and stunted growth in children, can be reduced through adequate sanitation. Basic sanitation entails having access to facilities for the safe disposal of human waste (feces and urine), as well as the ability to maintain sanitary conditions through garbage collection, industrial/hazardous waste management, and wastewater treatment and disposal.

Save Aqua For a Better Future

← → C File | D:/Group-07-WEB-PROJECT/Index.html

Apps Outlook Nlearn Microsoft Teams YouTube Facebook Time Table CA ASSIGNMENT Google Keep GitHub VideoDownloader Reading list



Save Aqua For a Better Future

← → C File | D:/Group-07-WEB-PROJECT/Index.html

Apps Outlook Nlearn Microsoft Teams YouTube Facebook Time Table CA ASSIGNMENT Google Keep GitHub VideoDownloader Reading list

Importance Of Water & Sanitation

Did you know that each year, nearly 2.2 billion people do not have the access to safe and clean water?

And furthermore nearly 1.37 billion people do not have handwashing facilities at home. Lots of people across the world continue to lack access to safe and clean drinking water. Human existence depends on clean water. Access to clean and safe water help people to stay healthy and protected from illness, grow food and prosper in vulnerable areas.

Safe drinking water and lack of sanitation affect all aspects of life:

- **Access to safe drinking water affects health**

Almost two billion people worldwide depend on health facilities without adequate services, base water. As we all know, washing hands with soap has proven to be one of the best preventative measures available to save lives, but the reality is that globally one in six healthcare facilities (16%) is healthy without functional hand sanitizers at the point of service or toilet.

84°F Mostly cloudy 7:44 PM 9/11/2021

Save Aqua For a Better Future

← → C File | D:/Group-07-WEB-PROJECT/Index.html

Apps Outlook Nlearn Microsoft Teams YouTube Facebook Time Table CA ASSIGNMENT Google Keep GitHub VideoDownloader Reading list



"A drop of water is worth more than a sack of gold to a thirsty man"



"You will never solve poverty without solving water and sanitation!"

84°F Mostly cloudy 7:44 PM 9/11/2021

Save Aqua For a Better Future

File | D:/Group-07-WEB-PROJECT/Index.html

Apps Outlook Nlearn Microsoft Teams YouTube Facebook Google 9/11/2021 Time Table CA ASSIGNMENT Google Keep GitHub VideoDownloader Reading list

Water Resources

Water resources are natural resources of water that are potentially useful as a source of water supply. Natural sources of fresh water include surface water, under river flow, groundwater and frozen water. Artificial sources of fresh water can include treated wastewater (reclaimed water) and desalinated seawater.

Of these, the resources most available for use are the waters of the oceans, rivers, and lakes other available water resources include groundwater and deep subsurface waters and glaciers and permanent snowfields. We are responsible for protect those water resources.

Save Aqua For a Better Future

File | D:/Group-07-WEB-PROJECT/Index.html

Apps Outlook Nlearn Microsoft Teams YouTube Facebook Google 9/11/2021 Time Table CA ASSIGNMENT Google Keep GitHub VideoDownloader Reading list



84°F Mostly cloudy 7:44 PM 9/11/2021

Save Aqua For a Better Future

File | D:/Group-07-WEB-PROJECT/Index.html

Apps Outlook Nlearn Microsoft Teams YouTube Facebook තොගුරු Time Table CA ASSIGNMENT Google Keep GitHub VideoDownloader Reading list

CONTACTS

All to contact us

Our Address

NSBM Green University
Pitipana - Thalagala Rd,
Homagama

+1 - 2344567890

saveaqua2021@gmail.com

Write To Us

How can we protect water?
What are the benefits of proper sanitation?
Do you have any ideas, suggestions, questions or anything?
You are free to write anything for us...

WRITE

Useful Links Follow Us Technologies

Type here to search 84°F Mostly cloudy 7:44 PM 9/11/2021

Save Aqua For a Better Future

File | D:/Group-07-WEB-PROJECT/Index.html

Apps Outlook Nlearn Microsoft Teams YouTube Facebook තොගුරු Time Table CA ASSIGNMENT Google Keep GitHub VideoDownloader Reading list

Pitipana - Thalagala Rd,
Homagama

+1 - 2344567890

saveaqua2021@gmail.com

How can we protect water?
What are the benefits of proper sanitation?
Do you have any ideas, suggestions, questions or anything?
You are free to write anything for us...

WRITE

Useful Links Follow Us Technologies

- Home
- Problems
- Solutions
- Overview
- Suggestions

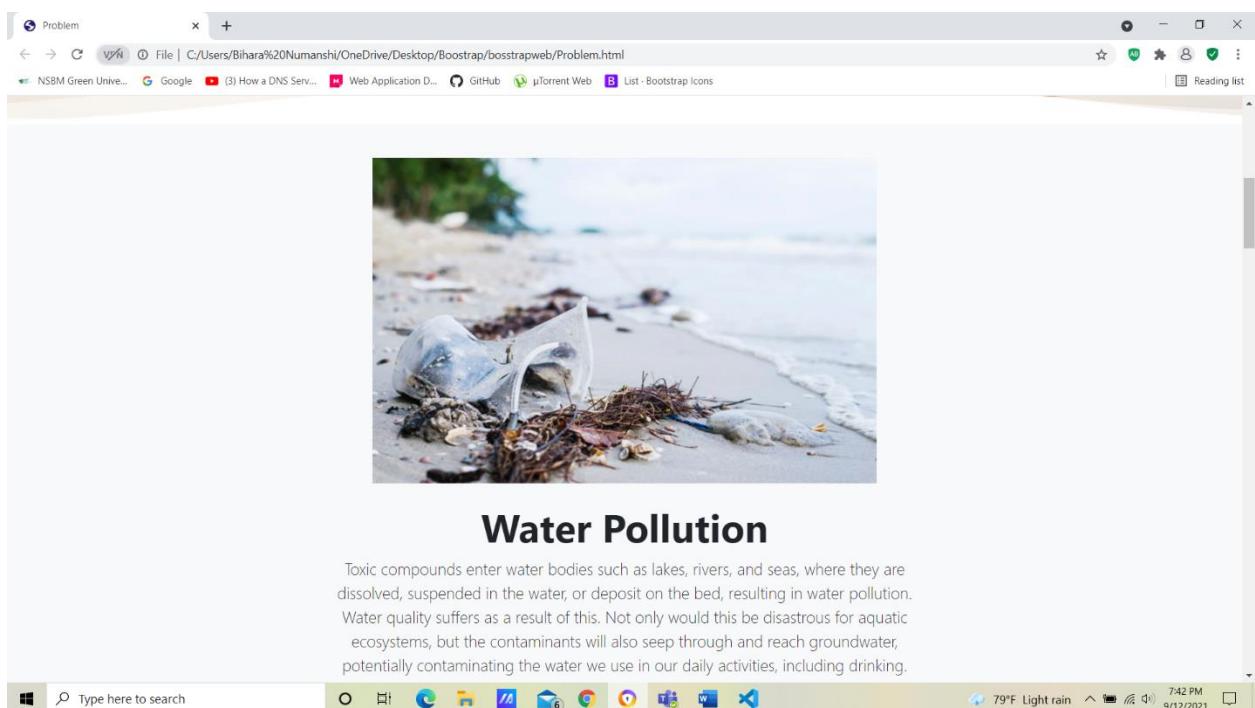
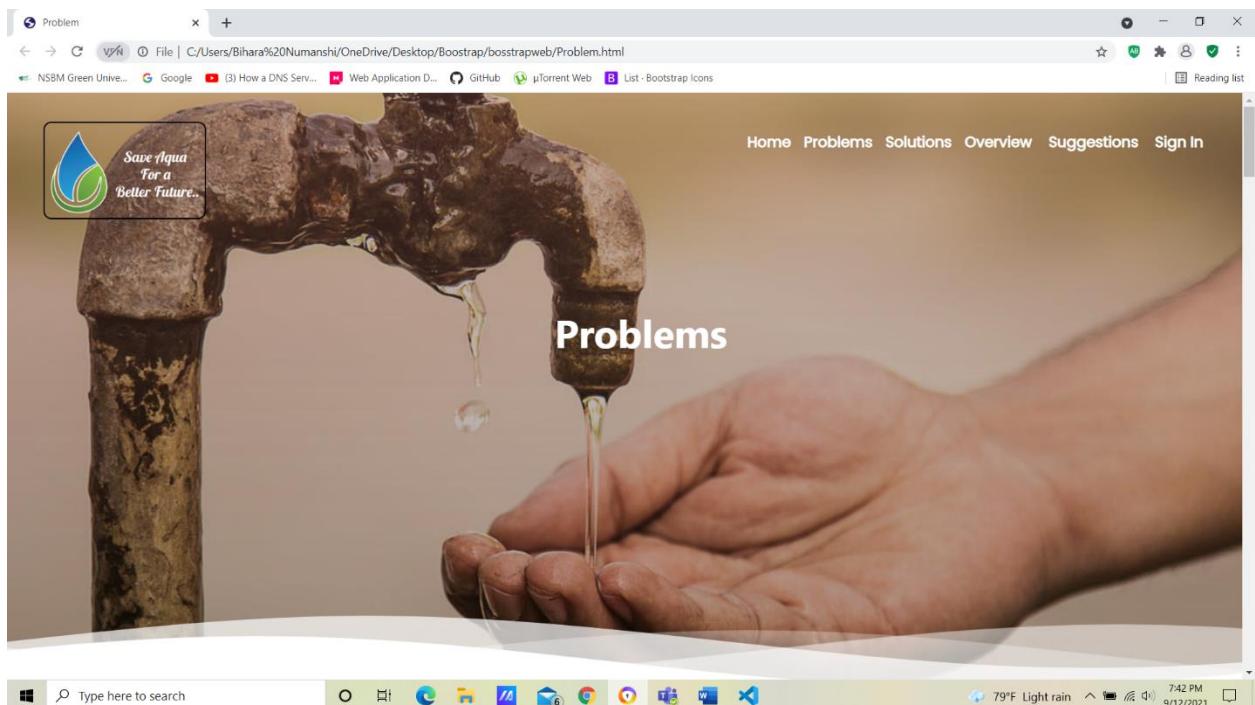
- Facebook
- YouTube
- Gmail
- SDG

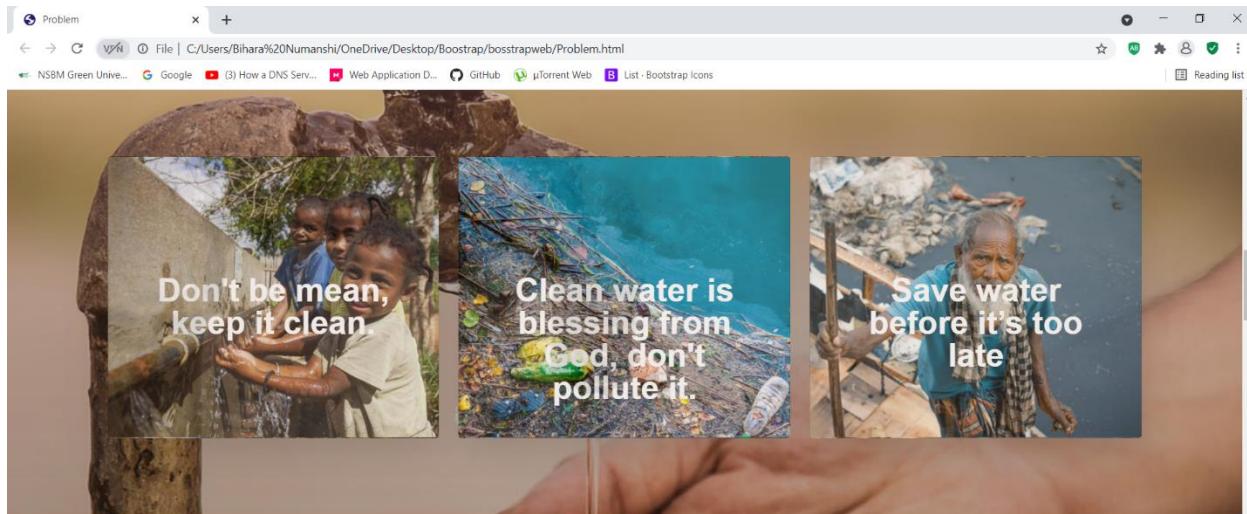
- HTML
- CSS
- PHP
- SQL
- Bootstrap

Copyright © 2021 - Designed & Developed by WEB Application Development Group 07

Type here to search 84°F Mostly cloudy 7:45 PM 9/11/2021

Problem Page (W M B N Wijekoon's Page)





Sources of Water Pollution

Sewage (Waste Water) Sewage is another name for waste water from domestic and

Causes of Water Pollution

Water pollution can occur in a variety of ways, with city sewage and industrial waste discharge

Water Pollution Effects

On The Environment

Water pollution truly harms biodiversity and

79°F Light rain 7:42 PM 9/12/2021

Oil Pollution	Human farming activities, as well as poorly disposed of industrial wastes, are found in soils and groundwaters.
River dumping	
Marine Dumping	

On Human Health
A lot of diseases result from drinking or being in contact with contaminated water, such as diarrhea, cholera, typhoid, dysentery or skin infections. In zones where there is no available drinking water, the main risk is dehydration obviously.

663 million people do not have access to clean water

1 child dies every 21 seconds from water-related illness

40 billion hours spent by women walking to water sources

40% of the world's population suffer from water scarcity



Problem

File | C:/Users/Bihara%20Numanshi/OneDrive/Desktop/Bootstrap/bootstrapweb/Problem.html

NSBM Green Univ... Google (3) How a DNS Serv... Web Application D... GitHub µTorrent Web List - Bootstrap Icons Reading list



Poor Sanitation

Poor sanitation is when people who live in a particular setting don't have access to safe water, good sewage system and live in a dirty environment. And more importantly lacks access to proper latrine.

How does Poor Sanitation Affect Health

For millions of people, illnesses caused by germs and worms in feces are a regular source of suffering. These infections can last for years and can lead to additional health issues like dehydration, anemia, and malnutrition.

79°F Light rain 7:42 PM 9/12/2021

Problem

File | C:/Users/Bihara%20Numanshi/OneDrive/Desktop/Bootstrap/bootstrapweb/Problem.html

NSBM Green Univ... Google (3) How a DNS Serv... Web Application D... GitHub µTorrent Web List - Bootstrap Icons Reading list



Causes of poor sanitation

Globally, the most significant cause of poor sanitation is a lack of education. Even the simple act of washing hands on a regular basis can have a significant impact on a community's overall health. Let's look at a few of the factors that contribute to poor sanitation.

Open defecation

Open defecation pollutes the environment and is a leading cause of preventable disease transmission.

Unsafe drinking water

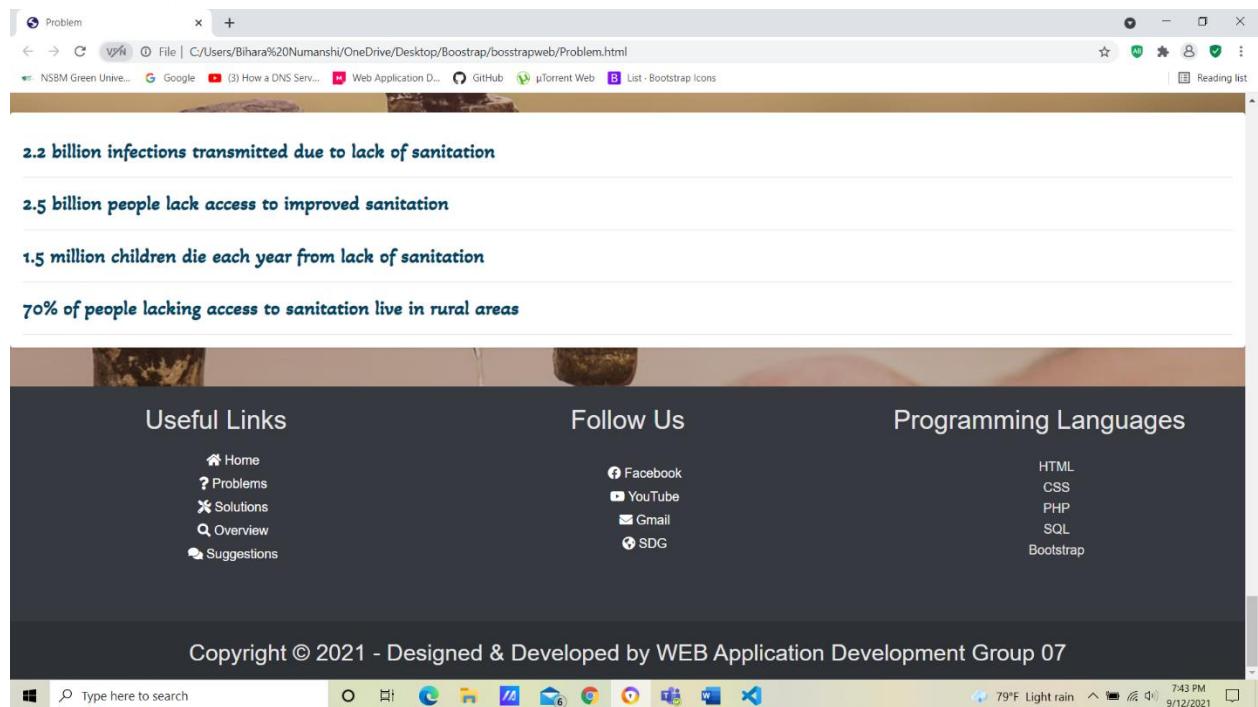
Each year, it is estimated that unsafe, untreated, and contaminated drinking water causes more than 500,000 diarrhoeal fatalities. Simple sanitary measures and clean drinking water could avoid many of them. In locations where clean drinking water is scarce, diseases such as diarrhoea, cholera, dysentery, typhoid, and polio are common.

High density living

In regions where informal or semi-permanent settlements emerge, the high density of these areas.



79°F Light rain 7:42 PM 9/12/2021



2.2 billion infections transmitted due to lack of sanitation

2.5 billion people lack access to improved sanitation

1.5 million children die each year from lack of sanitation

70% of people lacking access to sanitation live in rural areas

Useful Links

- Home
- Problems
- Solutions
- Overview
- Suggestions

Follow Us

- Facebook
- YouTube
- Gmail
- SDG

Programming Languages

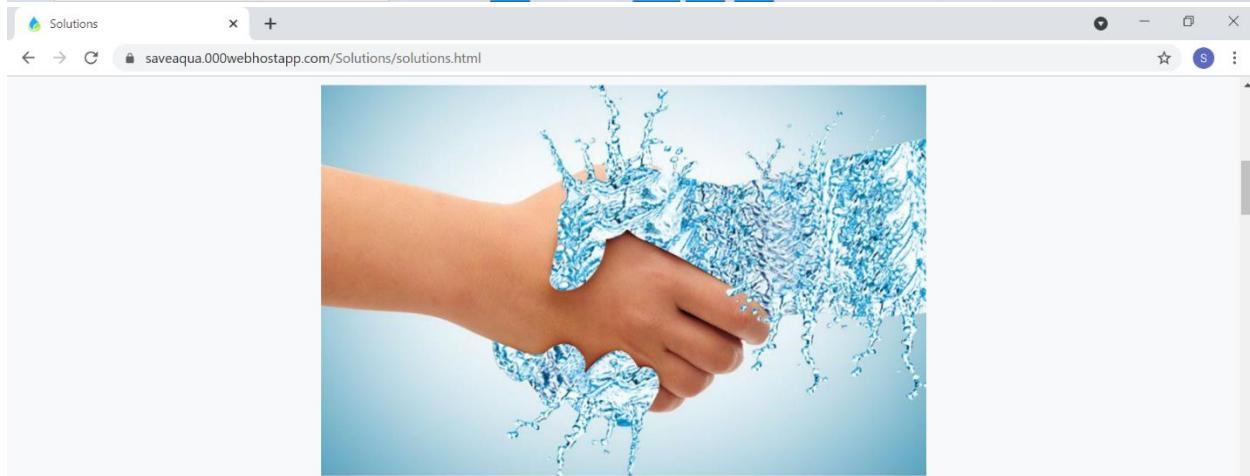
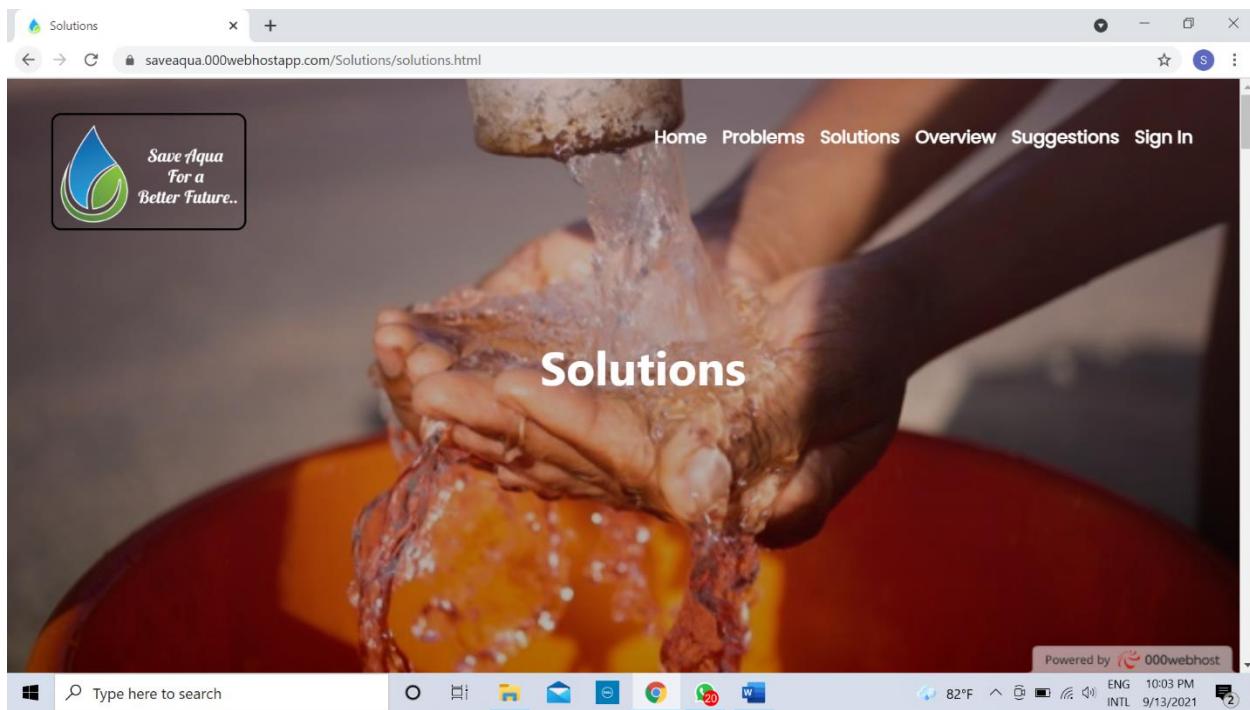
- HTML
- CSS
- PHP
- SQL
- Bootstrap

Copyright © 2021 - Designed & Developed by WEB Application Development Group 07

Type here to search

79°F Light rain 7:43 PM 9/12/2021

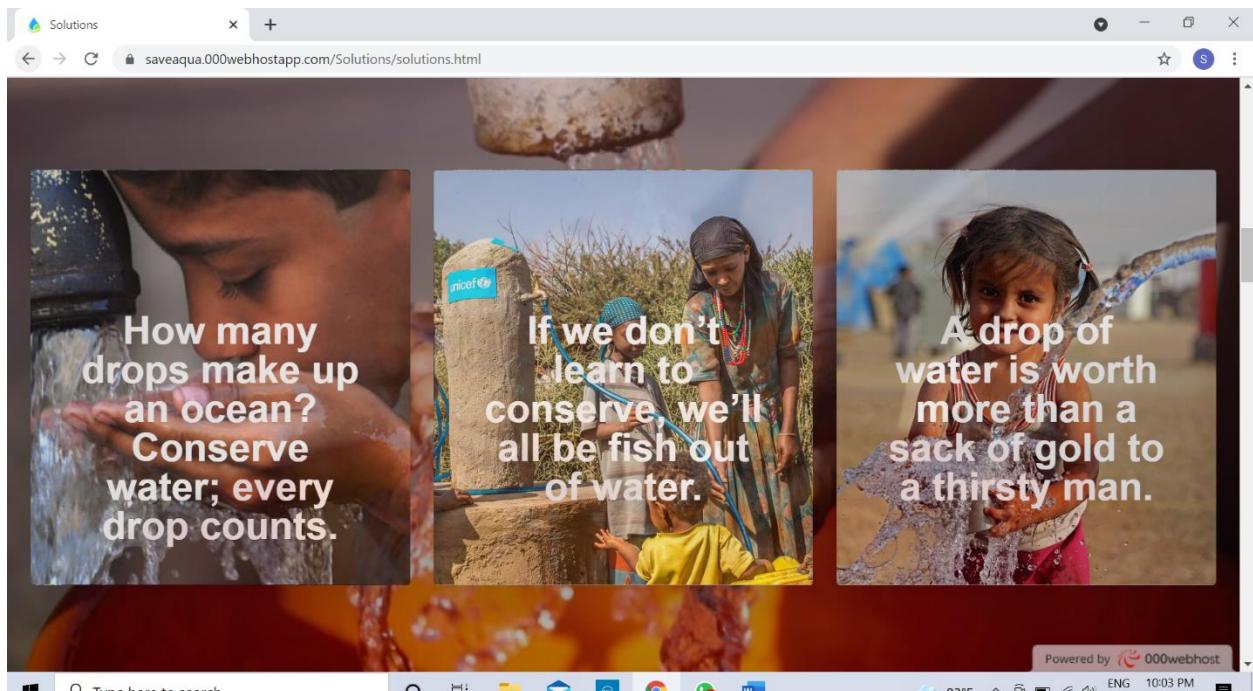
Solutions Page (H T Thrimawithana's Page)



What do you want to solve?

We believe that access to clean & safe water is the most effective and powerful way to ensure sustainable community development around the world. Giving simple and best solutions to people which can be implemented very practically is the best thing we can do to protect the





Solution 1: Use of filtration methods

Filtration, Ultraviolet Sterilization (UV), Ozonation, Nano filtration, Ultra Filtration, Reverse Osmosis, De-salination are some of the treatment methods. There are many filtration methods have been created by various organizations in the world and people can purchase according to affordable price. World Health Organization has published the parameters of the water for the suitable drinking water. Any person can test their water by using these standards and they can select treatment methods according to water analysis report.

Solution 2: Capture and disposal of airborne pollutants in waterways

Floating pollutants can be contained and recovered relatively easily using a floating boom. The boom is designed to act as a barrier to airborne water pollution. Floating material can be contained, deflected, or eliminated, depending on how the boom is mounted. There is a boom in managing and disposing of almost all airborne pollutants in manageable locations, from garbage and seaweed to oil. There are many ways to use booms, but they generally fall into one of two categories: debris booms and oil booms.

Solution 3: Capture and filter water containing waterway deposits

Coastline construction projects disrupt and expose soil, creating a situation where exposed soil is washed away into nearby waters. This produces (turbid) water containing turbid sediments, which has a significant negative impact on the marine environment. It harms all aquatic life in the area, including plants, fish, insects and animals. Muddy water can also be caused by events that stir the sediments on the seafloor. For example, pipes and streams released into waters at high speeds stir floor sediments and create turbidity. Dredging and underwater construction projects (dock construction, power line pylon, etc.) also generate turbid water that needs to be managed.

Solutions x +

savequa.000webhostapp.com/Solutions/solutions.html

663 million people do not have access to clean water

1 child dies every 21 seconds from water-related illness

40 billion hours spent by women walking to water sources

40% of the world's population suffer from water scarcity



Type here to search

Powered by 000webhost

82°F ENG 10:04 PM INTL 9/13/2021

Solutions x +

savequa.000webhostapp.com/Solutions/solutions.html



Sanitation

"Sanitation is firstly about human behaviour; and to be successful, systems need to prioritise such things as affordability, comfort, dignity, privacy, odour control, ease of cleaning and user acceptance by men, women, elderly and children. To be sustainable, sanitation systems must build in all these aspects." (Arno Rosemarin, Sanitation Now 2008)

Type here to search

Powered by 000webhost

82°F ENG 10:05 PM INTL 9/13/2021

Solutions

savequa.000webhostapp.com/Solutions/solutions.html

Sanitation Is:

Development and establishment of environmental conditions favorable to public health.



Solutions for Sanitation

Poor hygiene can lead to transmission of diseases such as cholera, diarrhea, dysentery, hepatitis A, typhoid fever, and polio, which can exacerbate stunting. Poor hygiene reduces human well-being, social and economic development due to the effects of anxiety, the risk of sexual assault, and the loss of educational opportunities.

Packet Latrines

Individual, single-use biodegradable bags for point-of-use sanitation

Type here to search

Powered by 000webhost

82°F ENG 10:05 PM INTL 9/13/2021

Solutions

savequa.000webhostapp.com/Solutions/solutions.html

Packet Latrines

Individual, single-use biodegradable bags for point-of-use sanitation that are buried or properly disposed:Bags typically inside reusable buckets Brand names: Peepoople, Wagbag

Bucket Latrines or Elevated Toilets

Elevated temporary structure over large container or tank that can be lined with large, replaceable plastic bag.Large containers typically easily procured Suitable for sites where digging of latrines is not feasible or suitable. Well suited to areas with high water table or where flooding occurs. Larger tank requires less frequent emptying.

Chemical Toilets

A portable prefabricated sanitary unit with a watertight excrement retention tank containing a chemical solution to aid digestion and reduce odor.Portable. Hygienic. Minimize odor. Can be mobilized rapidly. Demonstrated success in the Dominican Republic 2003 flooding. Well suited to areas with high water table or where flooding occurs.

Promote good sanitation habits through education.

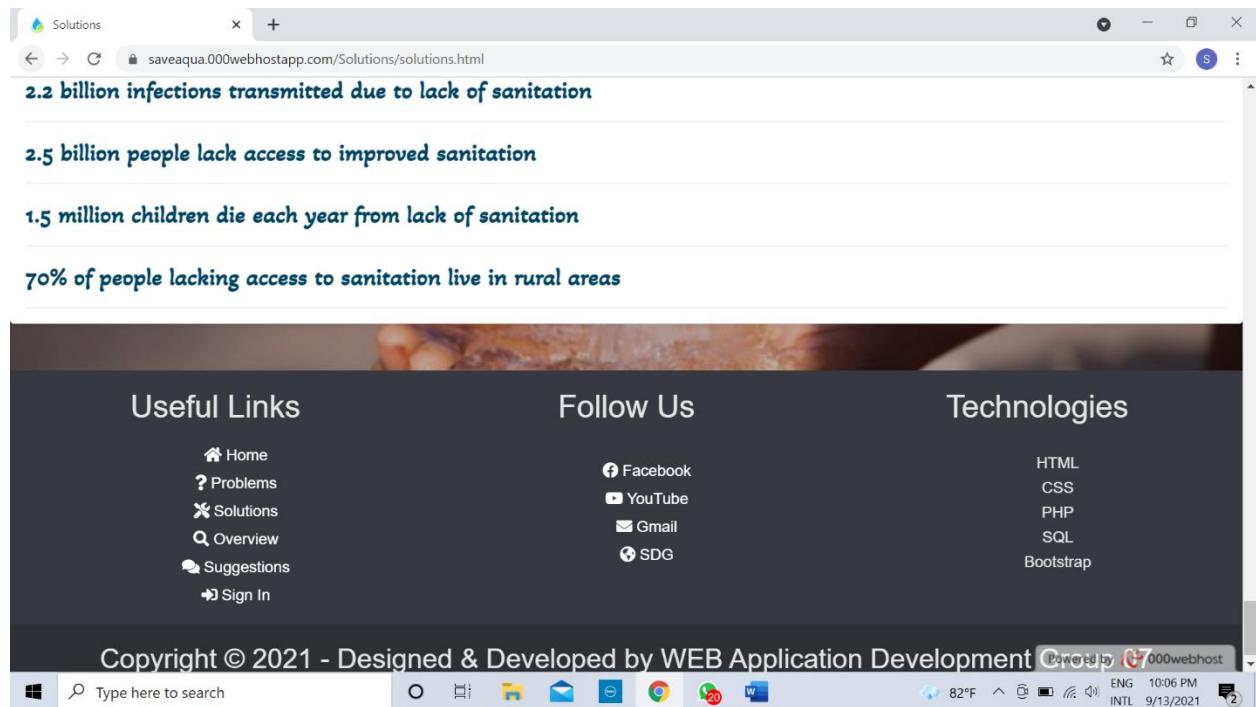
"We must remember that the soap will finish, but the education we provide to children will never end."



Type here to search

Powered by 000webhost

82°F ENG 10:05 PM INTL 9/13/2021



Solutions

savequa.000webhostapp.com/Solutions/solutions.html

2.2 billion infections transmitted due to lack of sanitation

2.5 billion people lack access to improved sanitation

1.5 million children die each year from lack of sanitation

70% of people lacking access to sanitation live in rural areas

Useful Links

- Home
- Problems
- Solutions
- Overview
- Suggestions
- Sign In

Follow Us

- Facebook
- YouTube
- Gmail
- SDG

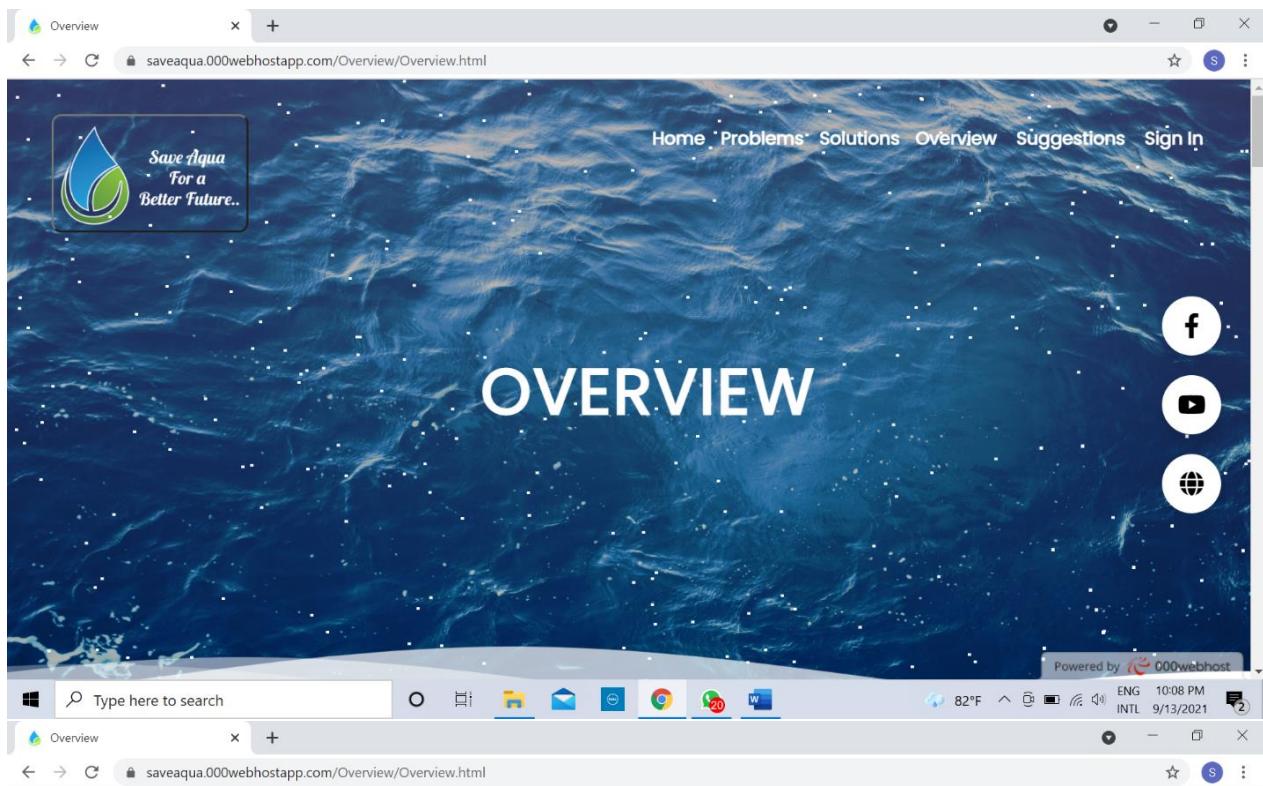
Technologies

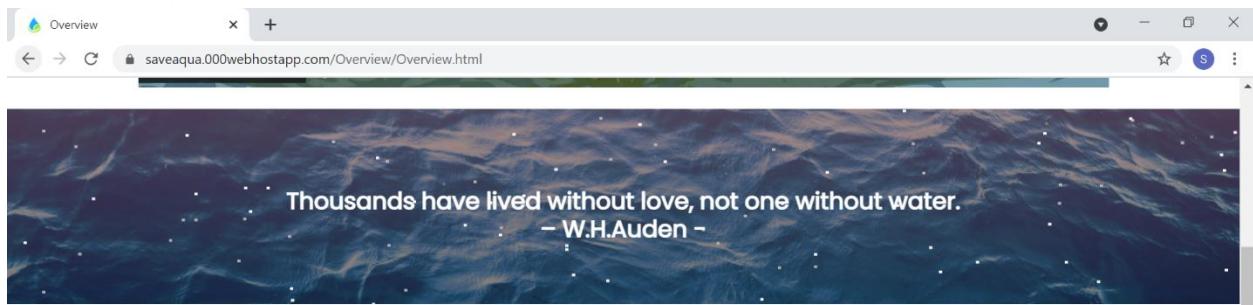
- HTML
- CSS
- PHP
- SQL
- Bootstrap

Copyright © 2021 - Designed & Developed by WEB Application Development Group

82°F 10:06 PM ENG 9/13/2021

Overview Page (T N Wickramarachchi's Page)





Save Water
Save Life
Slogans

Save Every
Drop of Water
Slogans

Save Water
Slogans in
English

BIG LIST OF SLOGANS

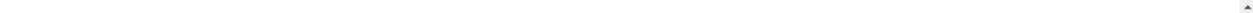
SAVE
WATER
SLOGANS

Shout &
Creative Save
Water Slogans

Say Rain
Water Slogans

Save Drinking
Water Slogans

Powered by 000webhost



Save Water
Save Life
Slogans

Save Every
Drop of Water
Slogans

Save Water
Slogans in
English

Save Water
Slogans With
Posters,
Images, Info
Graphs

BIG LIST OF SLOGANS

SAVE
WATER
SLOGANS

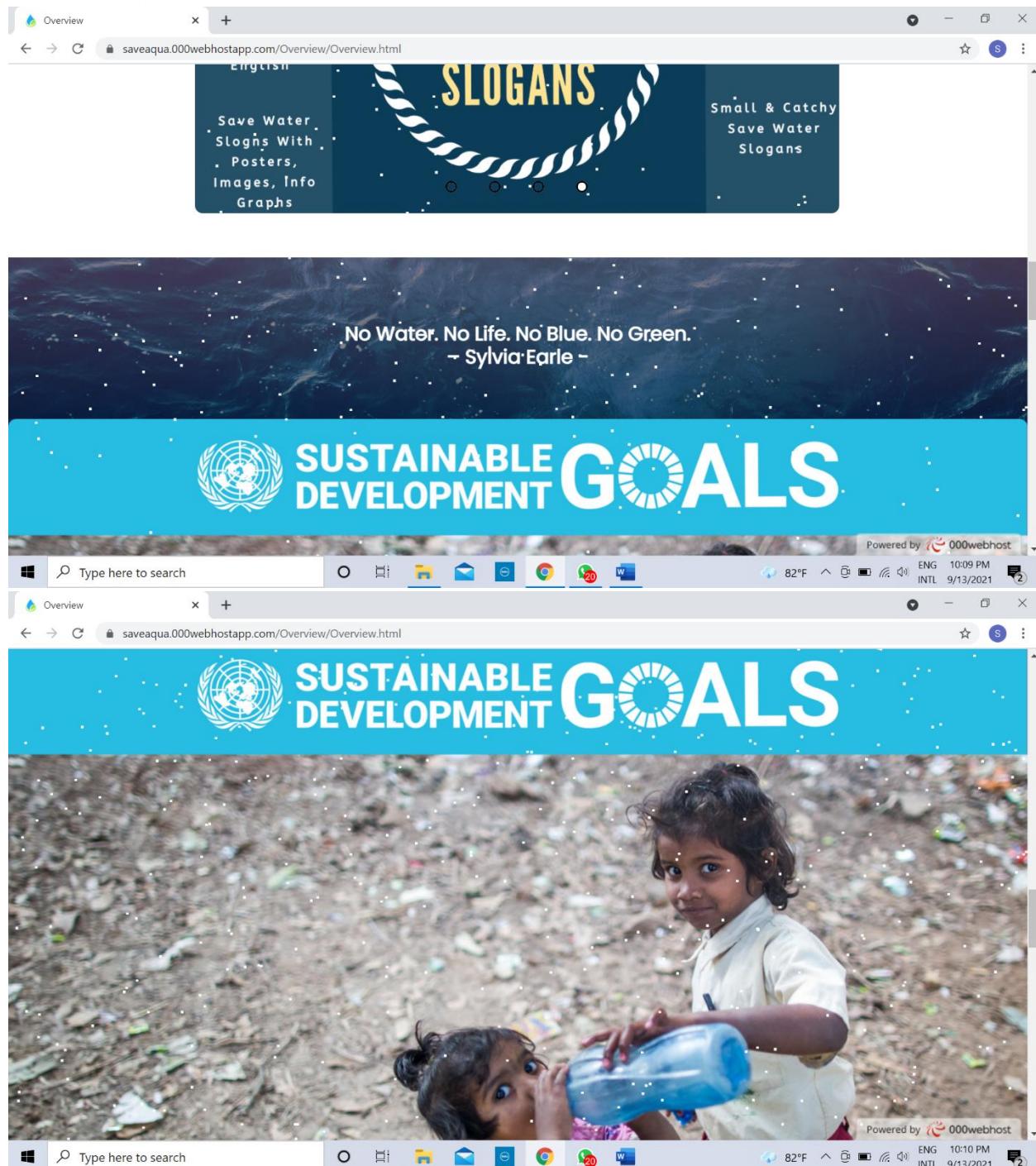
Shout &
Creative Save
Water Slogans

Save Rain
Water Slogans

Save Drinking
Water Slogans

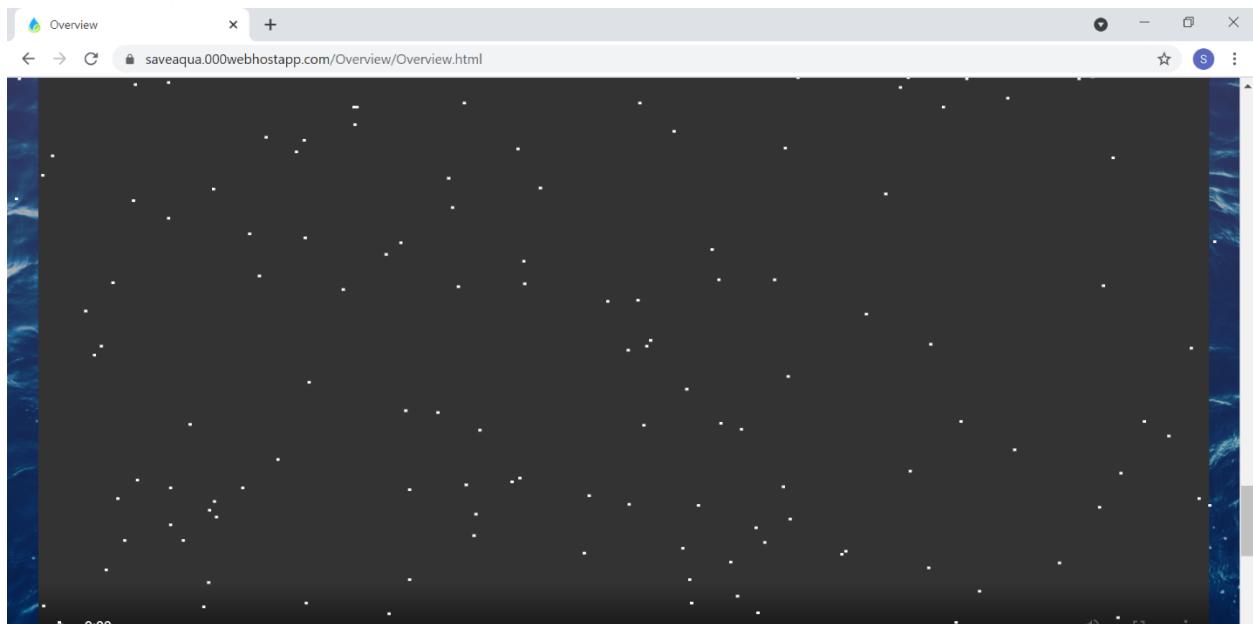
Small & Catchy
Save Water
Slogans





The image displays three separate browser windows showing different pages of a web application. All three windows have a header bar with a search bar containing 'Type here to search', a toolbar with various icons, and a status bar at the bottom indicating 'Powered by 000webhost', '82°F', 'ENG 10:09 PM INTL 9/13/2021'.

- Top Window:** The title is 'Overview'. The page features a dark blue header with the word 'SLOGANS' in large yellow letters. To the left, there's a sidebar with the text 'Save Water Slogans With Posters, Images, Info Graphs' and a link to 'English'. To the right, it says 'Small & Catchy Save Water Slogans'. Below the header is a dark background with a wavy white line graphic.
- Middle Window:** The title is 'Overview'. The page has a dark background with a wavy white line graphic at the top. In the center, there is a quote: 'No Water. No Life. No Blue. No Green.' followed by '- Sylvia Earle -'. Below the quote is a large blue banner with the United Nations Sustainable Development Goals logo on the left and the text 'SUSTAINABLE DEVELOPMENT GOALS' in large white letters.
- Bottom Window:** The title is 'Overview'. The page has a dark background with a wavy white line graphic at the top. Below it is a large blue banner with the United Nations Sustainable Development Goals logo on the left and the text 'SUSTAINABLE DEVELOPMENT GOALS' in large white letters. The main content area shows a photograph of two young children, one holding a blue plastic bottle to drink from.

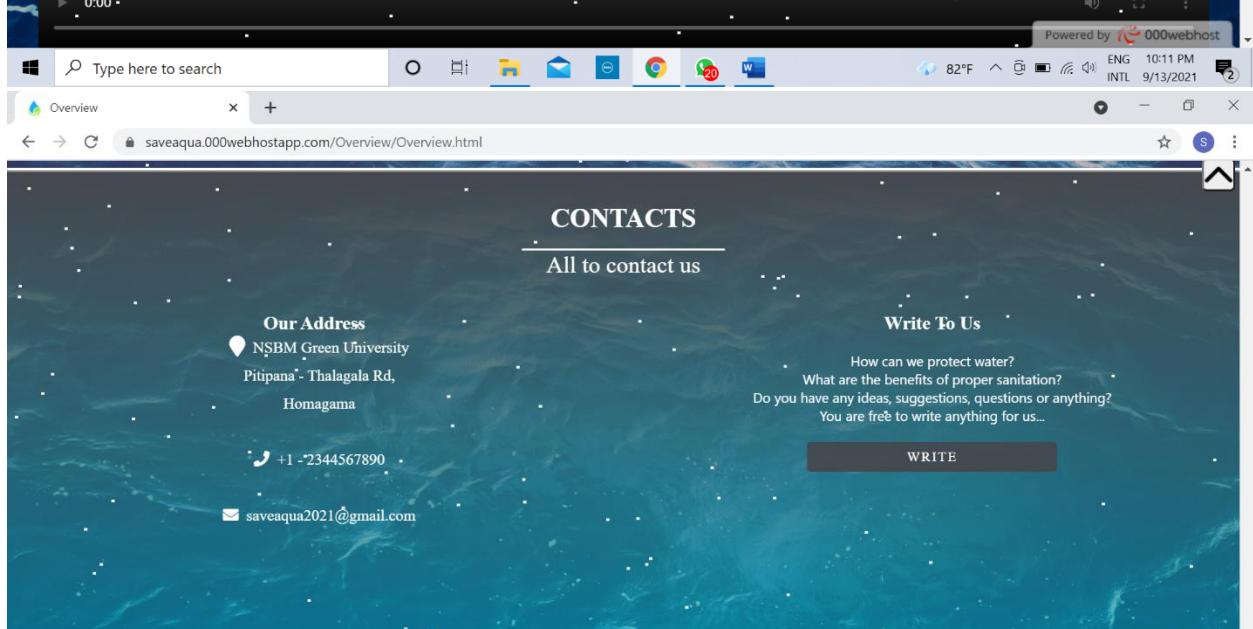


Overview

saveaqua.000webhostapp.com/Overview/Overview.html

0:00

Powered by 000webhost



CONTACTS

All to contact us

Our Address

N\$BM Green University
Pitipana - Thalagala Rd,
Homagama

+1-2344567890

saveaqua2021@gmail.com

Write To Us

How can we protect water?
What are the benefits of proper sanitation?
Do you have any ideas, suggestions, questions or anything?
You are free to write anything for us..

WRITE



Useful Links

Home

Type here to search

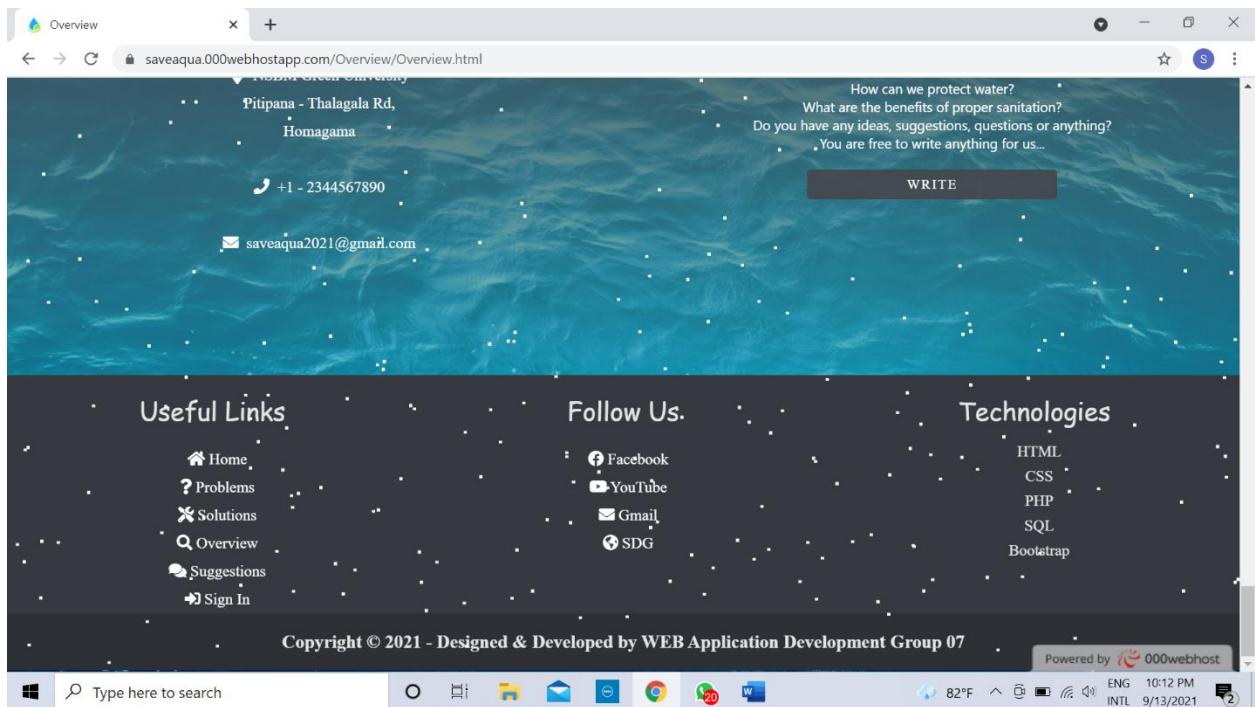
Follow Us

Facebook

HTML
CSS

Powered by 000webhost

82°F 10:11 PM ENG INTL 9/13/2021



Overview

savequa.000webhostapp.com/Overview/Overview.html

NSBM Green University

Pitipana - Thalagala Rd,
Homagama

+1 - 2344567890

savequa2021@gmail.com

How can we protect water?
What are the benefits of proper sanitation?
Do you have any ideas, suggestions, questions or anything?
You are free to write anything for us...

WRITE

Useful Links

- Home
- Problems
- Solutions
- Overview
- Suggestions
- Sign In

Follow Us.

- Facebook
- YouTube
- Gmail
- SDG

Technologies

- HTML
- CSS
- PHP
- SQL
- Bootstrap

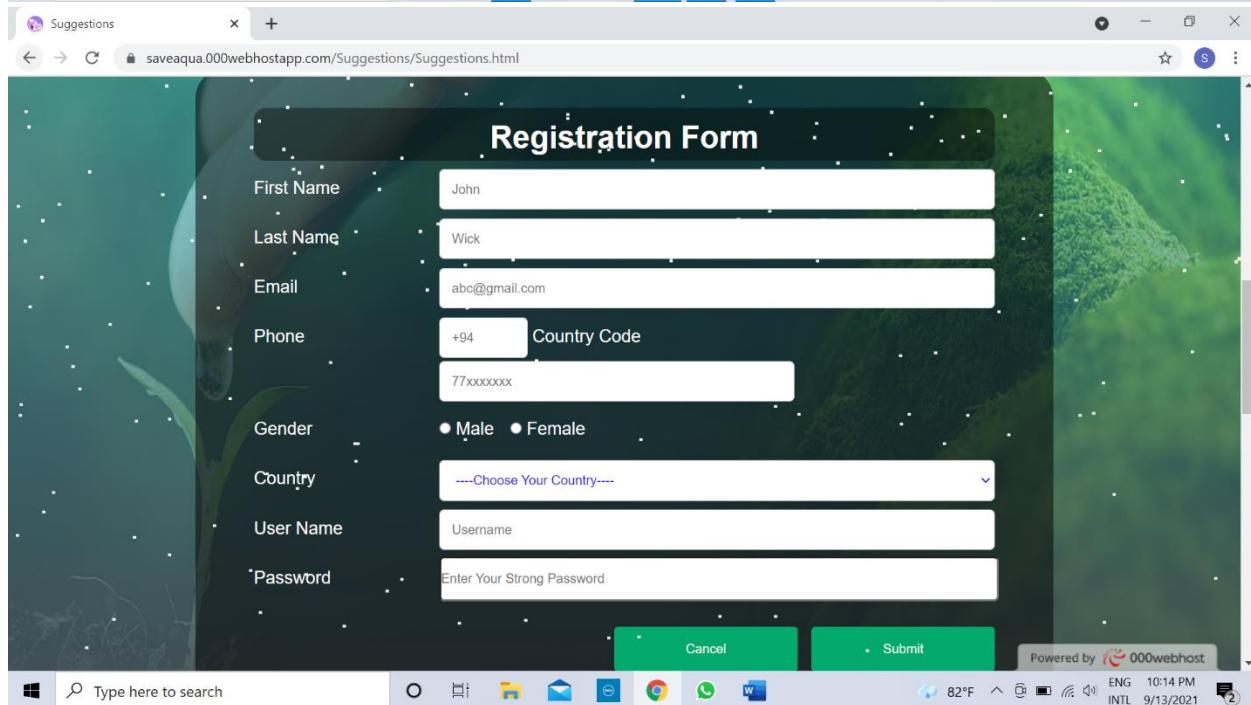
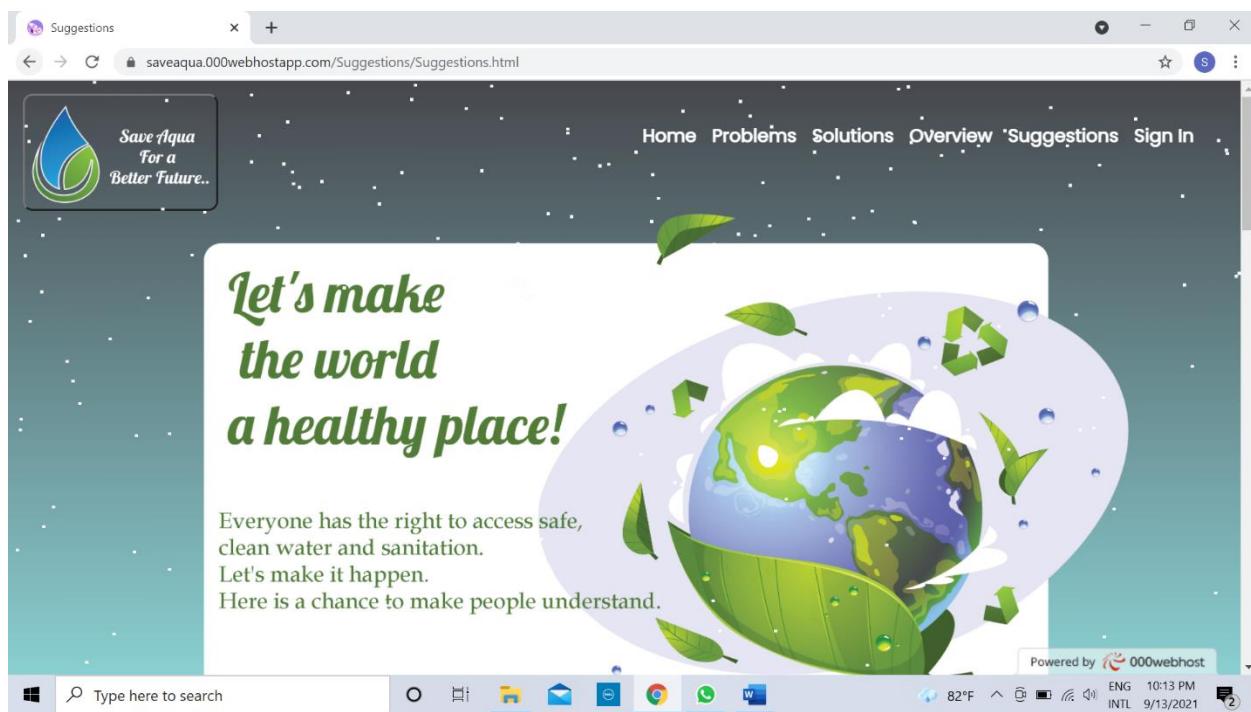
Copyright © 2021 - Designed & Developed by WEB Application Development Group 07

Powered by 000webhost

Type here to search

82°F 10:12 PM ENG 9/13/2021

Suggestions Page (IS Rachinthana's Page)



Suggestions - X

savequa.000webhostapp.com/Suggestions/Suggestions.html

CONTACTS

All to contact us

Our Address

NSBM Green University,
Pitipana-Thalagala Rd,
Homagama.

Phone: 0115 445 000

Email: savequa2021@gmail.com

Powered by  000webhost

Write To Us

Your Name
E-mail
Subject
Message

Send

Type here to search ○ H: M: E-mail C: G: W: Powered by  000webhost ENG 10:14 PM INTL 9/13/2021

Suggestions - X

savequa.000webhostapp.com/Suggestions/Suggestions.html

Message

Send

Type here to search ○ H: M: E-mail C: G: W: Powered by  000webhost ENG 10:14 PM INTL 9/13/2021

Useful Links

- [Home](#)
- [Problems](#)
- [Solutions](#)
- [Overview](#)
- [Suggestions](#)
- [Sign In](#)

Subscribe

- [Facebook](#)
- [YouTube](#)
- [Gmail](#)
- [SDG](#)

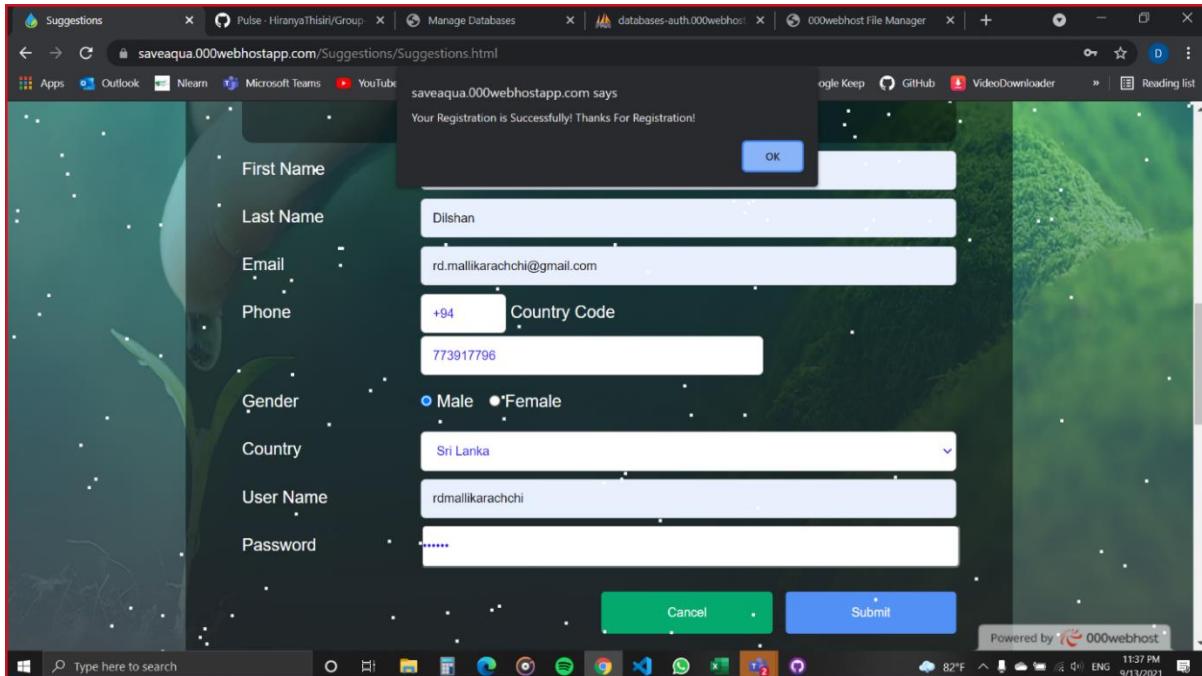
Technologies

- HTML
- CSS
- PHP
- SQL
- Photoshop
- Bootstrap

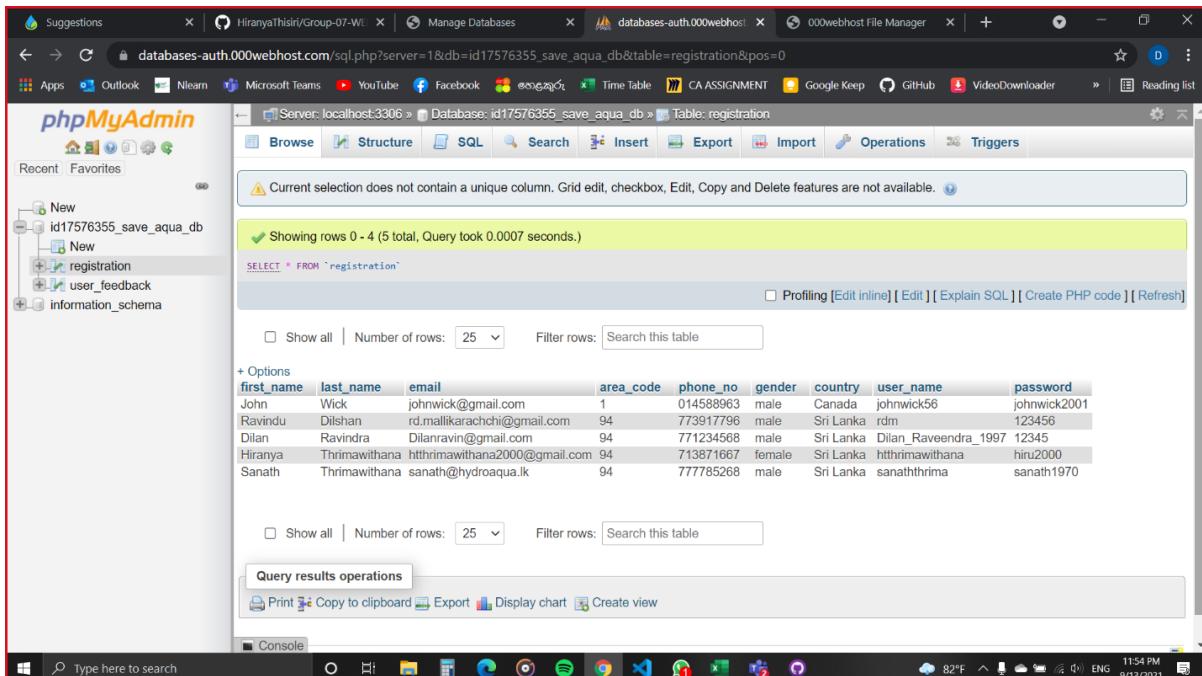
Copyright © 2021 - Designed & Developed by WEB Application Development Group 07 Powered by  000webhost

PHP & My SQL Database (IS Rachinthana's Page)

Registration Form & SQL Database

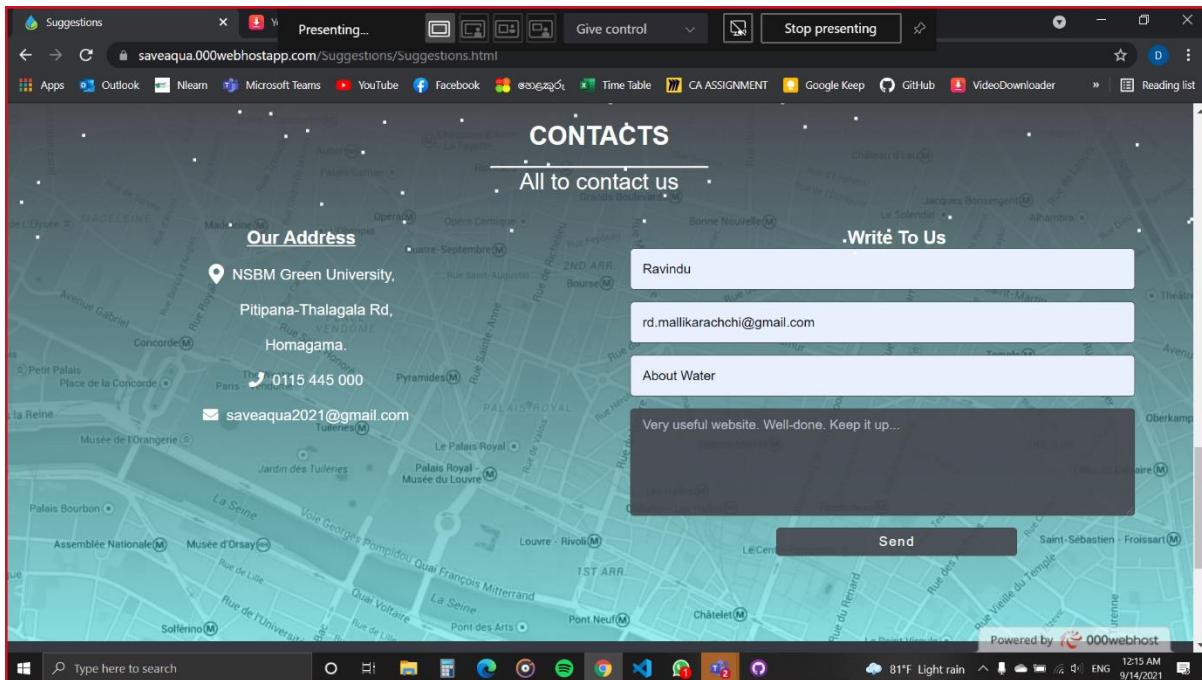


When a visitor registers to the website, using the above form, all the details of him/her will transfer into “save_aqua_db” database which is located in phpMyAdmin. And all the details will be stored in registration table.

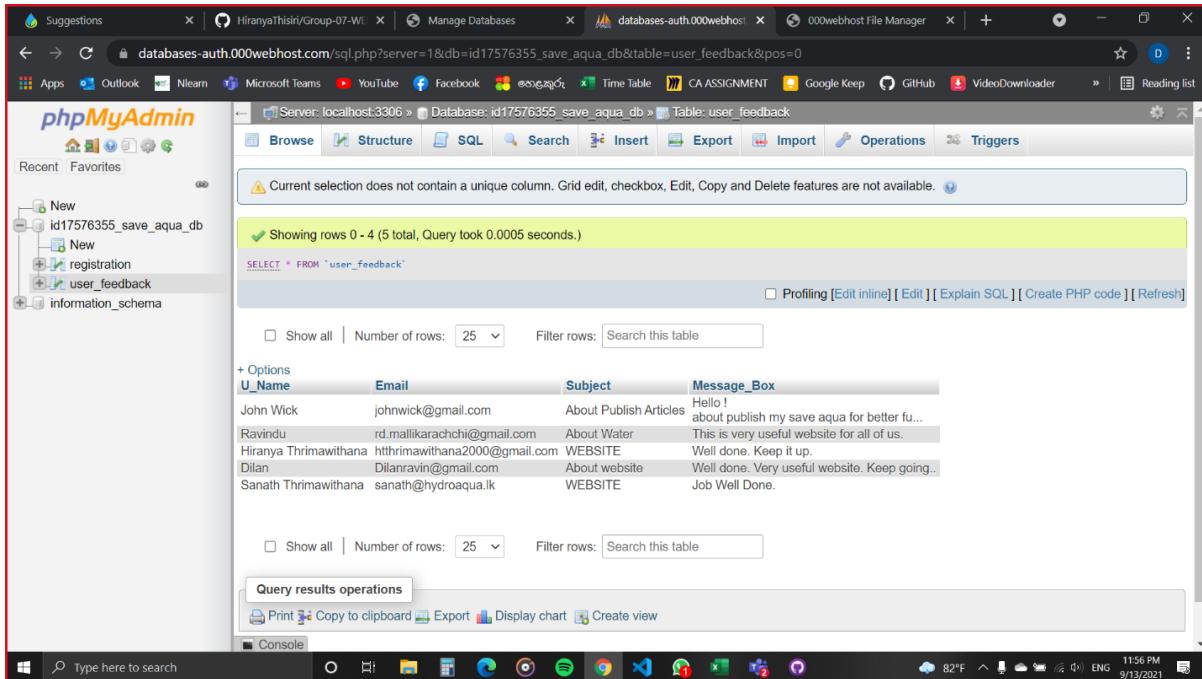


first_name	last_name	email	area_code	phone_no	gender	country	user_name	password
John	Wick	johnwick@gmail.com	1	014588963	male	Canada	johnwick56	johnwick2001
Ravindu	Dilshan	rd.mallikarachchi@gmail.com	94	773917796	male	Sri Lanka	rdm	123456
Dilan	Ravinda	Dilanravin@gmail.com	94	771234568	male	Sri Lanka	Dilan_Raveendra_1997	12345
Hiranya	Thrimawithana	hthrimawithana2000@gmail.com	94	713871667	female	Sri Lanka	hthrimawithana	hiru2000
Sanath	Thrimawithana	sanath@hydroaqua.lk	94	777785268	male	Sri Lanka	sanaththrima	sanath1970

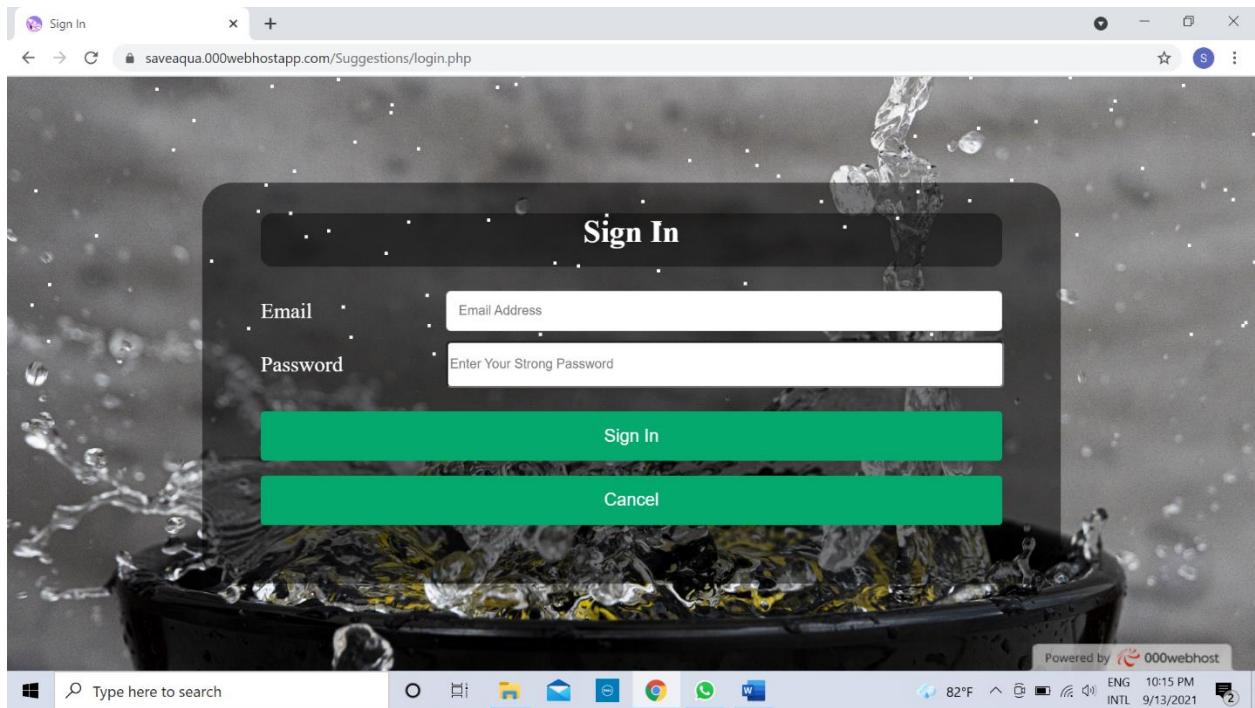
User Feedback Form & SQL Database



Any visitor can place their comments or suggestions through this form. And once they submitted their comments to the “write to us” form, those comments will transfer into the “`save_aqua_db`” database. And it will be store in `user_feedback` table.

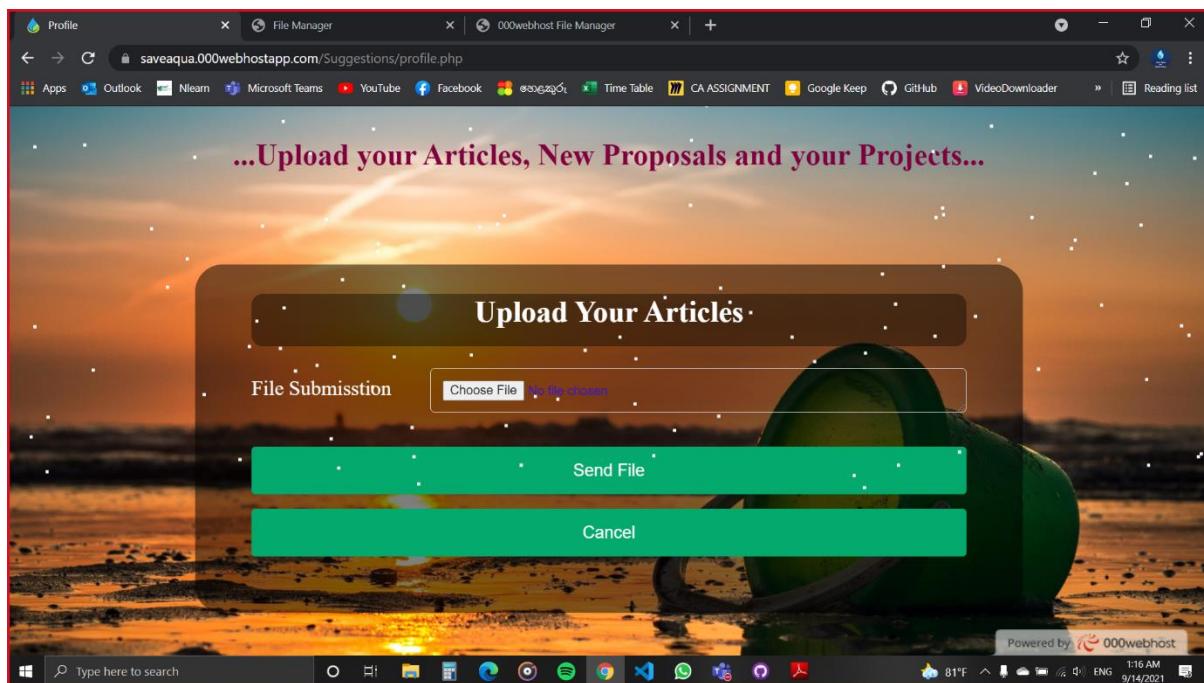


Sign In Page (IS Rachinthana's Page)



After the registration, visitors can sign in to the website through this form. If the email or password is not same as the registered details, it will show an error message as “invalid Email or password”.

Article Uploading (IS Rachinthana's Page)



People who are interested in this field, they can post any of their articles, proposals and projects, through this file uploading form. If the uploading is done correctly, it will show a message as “File upload successfully”. And the uploaded file will be stored in articles folder in our 000WebHost file manager.

