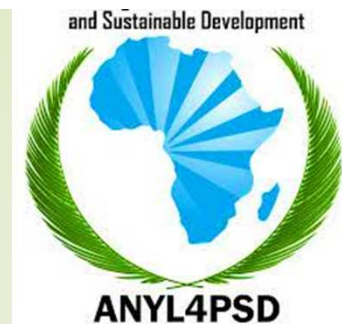


**ANYL4PSD**  
**REGIONAL TEACH-IN ON**  
**CLIMATE JUSTICE**  
**12-13 MAY 2022**



12<sup>th</sup> May-2022



# **ANYL4PSD**

## **“REGIONAL TEACH-IN ON CLIMATE JUSTICE”**

**Ambassador of the Asia**

**Aruna Randeniya**

**National Water Supply and drainage board**

**Sri Lanka**

2

## Biography

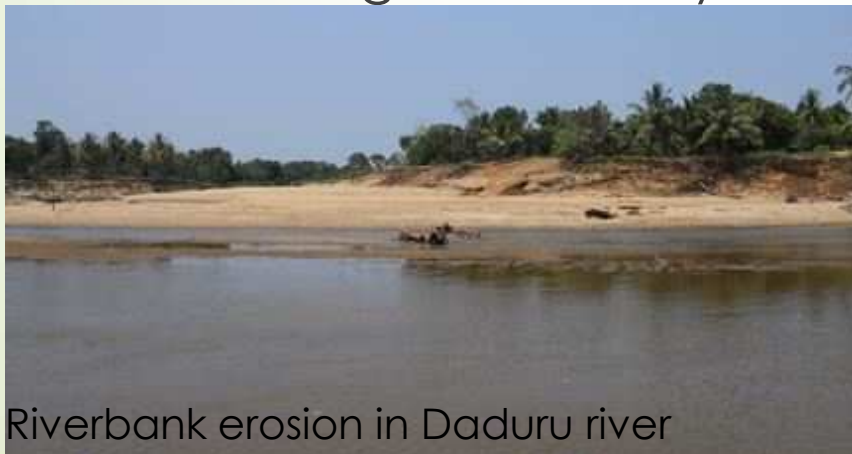


- **Name**-R.P. Aruna Shantha Randeniya
- **Profession**-Chartered Civil Engineer and Civil Society Activist
- **Education**-B.Sc. Eng. in University of Peradeniya in Sri Lanka, MBA. in University of Wayamba in Sri Lanka, M.Sc.in Water Management in the Netherlands.
- **Professional Qualification**-Member of IESL , Assessor for Plumber, Mason and Site supervisor attached to TVEC in Sri Lanka.
- **Employer**-National Water Supply and Drainage Board
- **Associated teams** -IESL,02A Engineers group, IESL(Wayamba Chapter),Water board welfare society

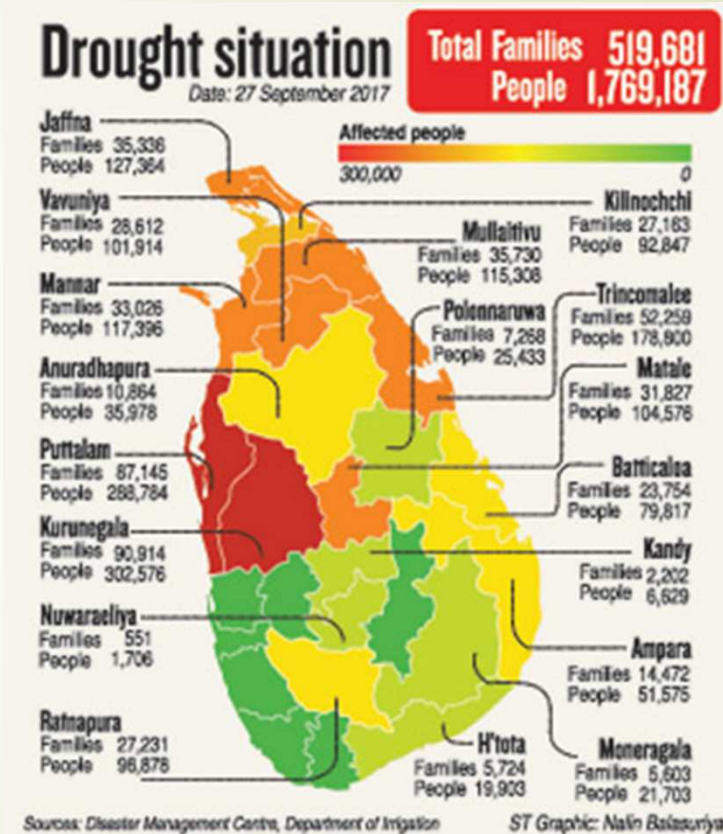
# Urgent and Pressing Issues

## Environmental Issues

- Salinity incursion in Rivers
- Riverbank erosion
- Surface water bodies pollution
- Increasing the severity of droughts



Riverbank erosion in Daduru river



## Motivation and Objectives: Environment protection

- Prevent pollution Protect water bodies
- Face frequent droughts in water shortage
- Minimize water losses through awareness
- Make beautiful and safe place to live for every one

6

## Action taken for protecting Environment

- Actively involved catchment protection under water safety plans
- Conducted awareness programme for different stakeholders.



## Action taken for protecting Environment

- ▶ Team member of IEE carried out for the proposed Salinity barrier and low flow salinity barrier structure.(ADB Project)
- ▶ Also I involved in construction phase as a Project Engineer.



Completed the salinity barrier in 2017



## Action taken for protecting Environment

- Investigated different water structures and engaged in protecting them.
- Engaged developing water bodies.



Before and after the upgrading water storage tanks



Water retaining structures protecting



## Innovations to extraction water during severe drought

- Designed a suitable mechanism to extraction water even the water level drop than the minimum level in Nelumpokuna Water supply scheme in 2017.



Intake location of Nelumpokuna Water treatment scheme during the drought.

## Action done for the society:

- Volunteer service for special school programme in 2020.
- Provided engineering knowledge for development activities of religion places.



Volunteer team with the Principal in Ananda College, Chilaw.

# Activities done using IT knowledge for the society

- Developed a database for the annual screening programme in Chilaw Hospital.

( Simple data base for the Diabetic Clinic ).

Validation status: Select...

PREVIOUS:  Display 9th names EDIT DUPLICATE

NEXT

Type	Quantity	Frequency
Annual Screening Number	457/2023	
Patient Name	S. Raja	
Patient Age	64	
Patient Photo		
Address	No 129, Indukalshore watta, Chilaw	
Contact Number	77288888	
Clinic Number	09/78/23	
Diagnosis		

Patient History

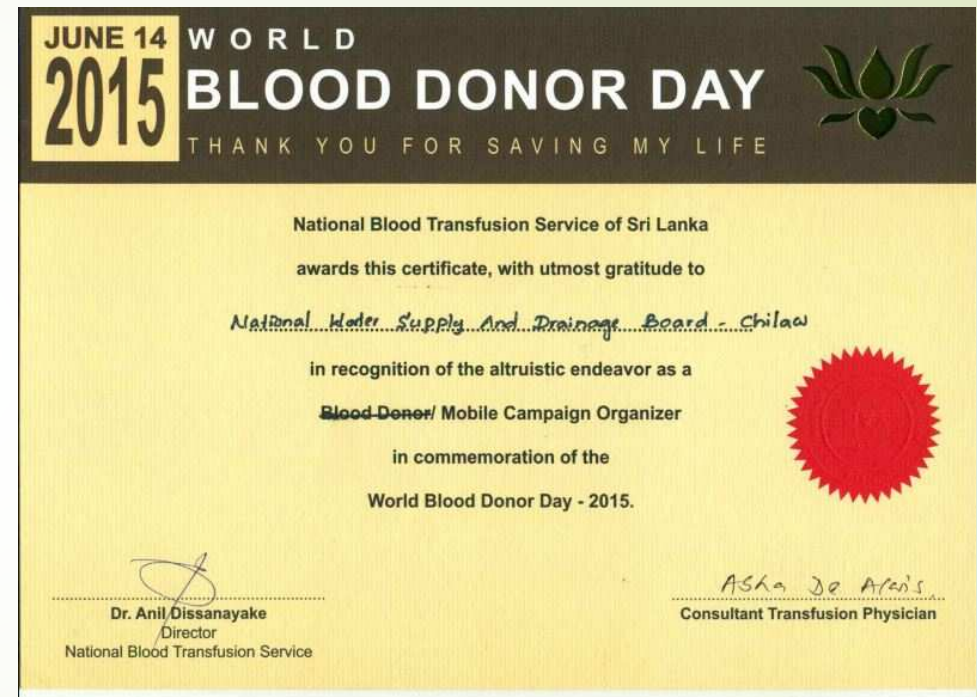
Height(CM)	173	Forward(Phar)	
Weight(Kg)	144	Forward(Phar)	
BMI Range		Assessment of footcare	Very High Risk
FBS	149	visit	2023-04-07T22:45:34.3834953Z
HbA1c	13.1	visit	2023-04-07T20:48:52.8794953Z
S. Creatinine			
S. Creatinine	1.01		

( Diabetic Clinic of the Chilaw Hospital ).



## Other activities on the social aspects

- ➔ Organized blood donation campaign.



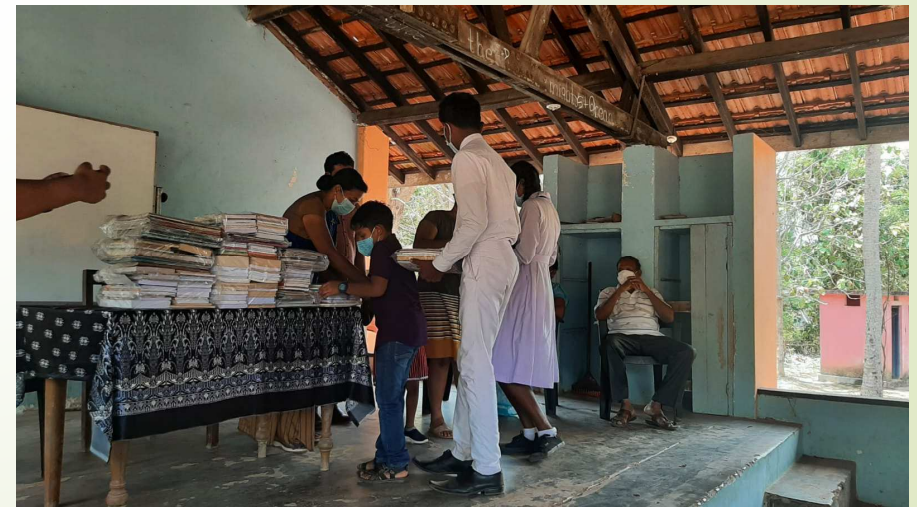
## Actions during last two months

- ▶ Strength the water safety programme and take actions to protect water bodies joining different stakeholders.
- ▶ Organize programmes to educate people about the pollution of water bodies.
- ▶ Assist ongoing chemical free farming practices
- ▶ Established a consultancy firm to get opportunity to young experts during current economic crisis in Sri Lanka.
- ▶ Introduce awareness programmes about technological usage for rural children.
- ▶ Find possibilities of providing technological accessories for enhancing their education.

## Academic development focusing the community beneficiary

- MSc research is about “Model Based study in water rationing focusing the enhancement of equity among consumers.
- Journal paper was published for equity in water distribution during water rationing.
- Serving as a key member of Plumber training programme in Training center in National water supply and Drainage to minimize water losses.
- serving community being an Assessor for Mason, plumber and construction supervisor.
- Developed a consultancy forum to work young experts those who don't have opportunities.

# Arranged donation even for a rural school



## Special donation campaign to young heart patient



Donation for Urgent heart surgery  
- 3500 \$





**Thank You**