Flood Victim Support Platform

Tracking and Assisting Flood-Impacted Individuals

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Introduction

Purpose: Help track and support individuals impacted by floods.

Platform: Community Cloud

Project Overview

1

Project Goals:

2

Track impacted families and individuals.

3

Provide a platform for volunteers and NGOs to share onsite information.

4

Capture details about senior citizens, kids, pets, crops, houses, vehicles, total loss, and compensation.

Key Features

Incident Tracking: Record details for each impacted family.

Volunteer/NGO Reporting: Onsite reporting of incidents by volunteers and NGOs.

Data Visualization: View incidents, charts, and statistics.

Family Details: Capture demographics, property, and impact details.

Architecture

Development Stack:

- **Frontend:** Lightning Web Components (LWC)
- **Charts:** Chart.js for data visualization
- **Community Cloud:** Platform for building a connected community experience

Technologies Used:

- **Lightning Web Components (LWC):**
  - Used to create a dynamic and responsive user interface.
  - Modular components for efficient development and maintenance.
  - Seamless integration with Salesforce data and services.

- **Chart.js:**
  - JavaScript library for creating interactive and visually appealing charts.
  - Used to display data visualization, statistics, and insights.
  - Enhances the user experience with graphical representation of flood impact data.

- **Community Cloud:**
  - Platform for building customized, branded communities.
  - Provides a secure and scalable environment for NGO and volunteer collaboration.
  - Leverages Salesforce infrastructure for data storage and management.

Data Model (FloodTrack__C)

Field Name	Data Type	Explanation
Id	Salesforce Id	Unique identifier for each record in the FloodTrack__c object.
FloodIncidentName__c	Text	Name or identifier for the flood incident.
FloodIncidentDate__c	Date	Date when the flood incident occurred.
SeniorCitizensCount__c	Number	Count of senior citizens impacted by the flood.
ChildrenCount__c	Number	Count of children impacted by the flood.
FamilyMemberCount__c	Number	Total count of family members impacted.
TotalLossAmount__c	Currency	Monetary value representing the total loss incurred.
ExpectedCompensationAmount__c	Currency	Expected compensation amount for the incident.
SeverityStatus__c	Picklist	Indicates the severity status of the flood incident.
ImpactedProperty__c	Text	Description of the impacted property (e.g., house, farm).
ImpactedPet__c	Text	Details about impacted pet animals.
ImpactedHealth__c	Text	Information about health impact due to the flood.
DeathCasesCount__c	Number	Count of reported death cases in the incident.
Note__c	Long Text Area	Additional notes or comments related to the incident.
FeedBack__c	Text	Feedback or comments provided by volunteers or NGOs.
Volunteer__c	Lookup(User)	Link to the Salesforce User representing the volunteer.
EmergencyHelp__c	Checkbox	Indicates if emergency help is required for the incident.

User Roles

VOLUNTEERS

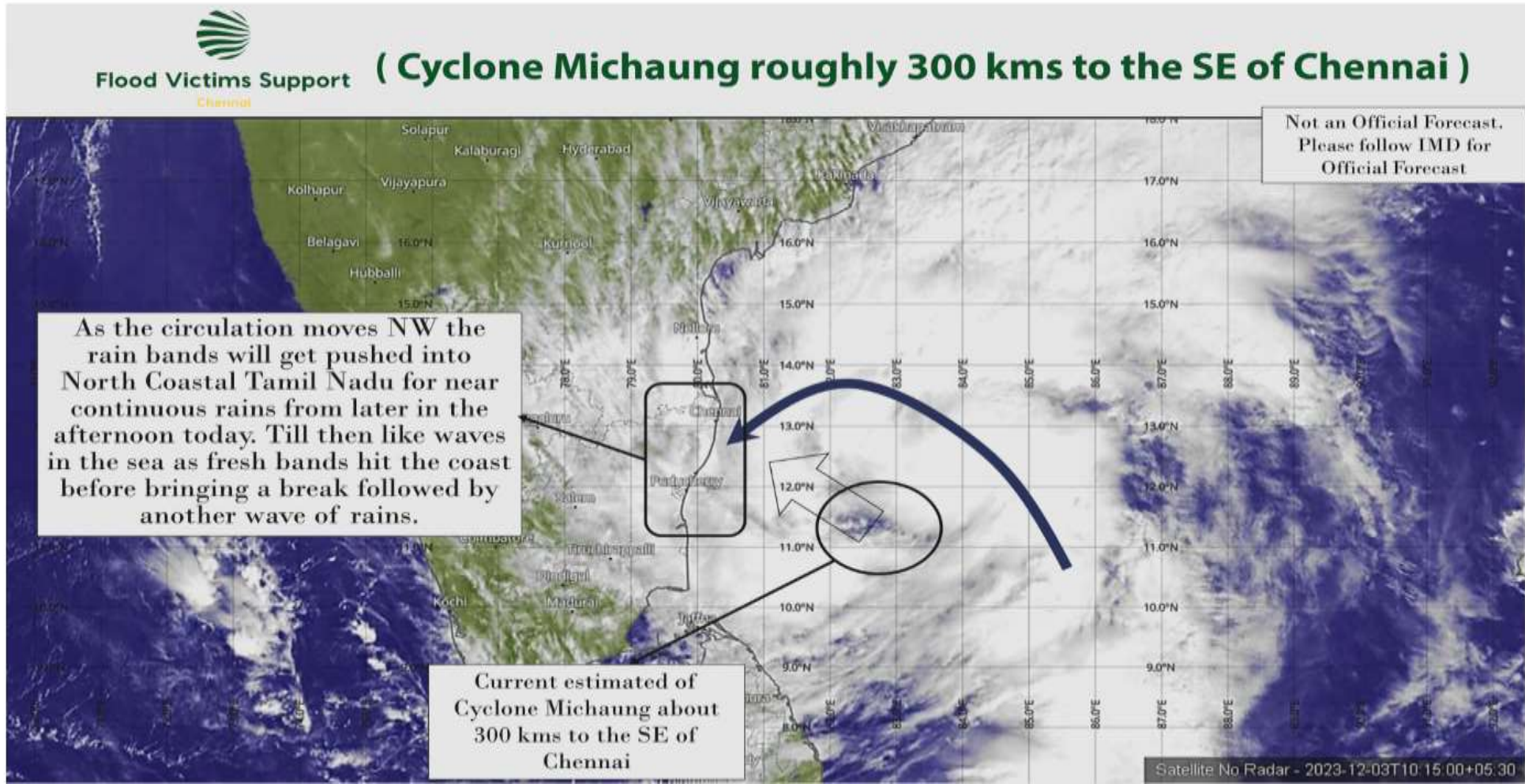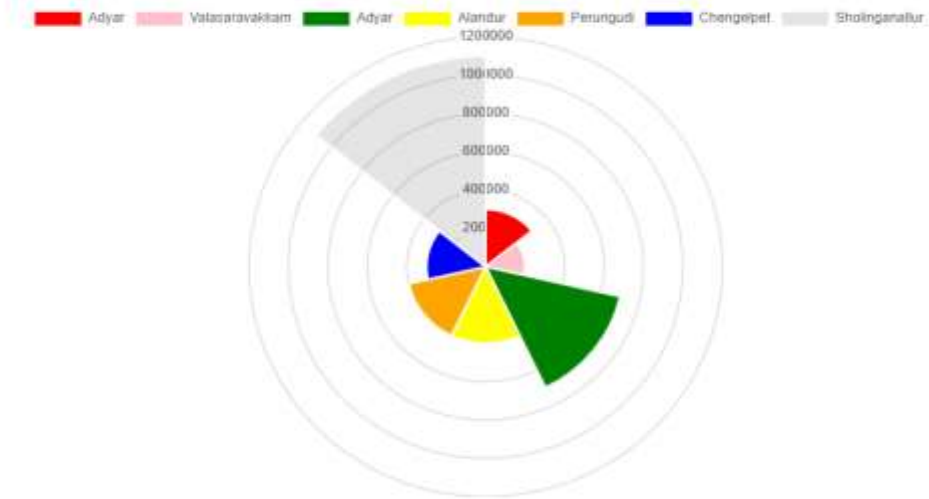NGOS

ADMINISTRATORS

Experience Cloud

Data visualization charts.

Cyclone Michaung flood 2023

Flood Victims Support
Chennai
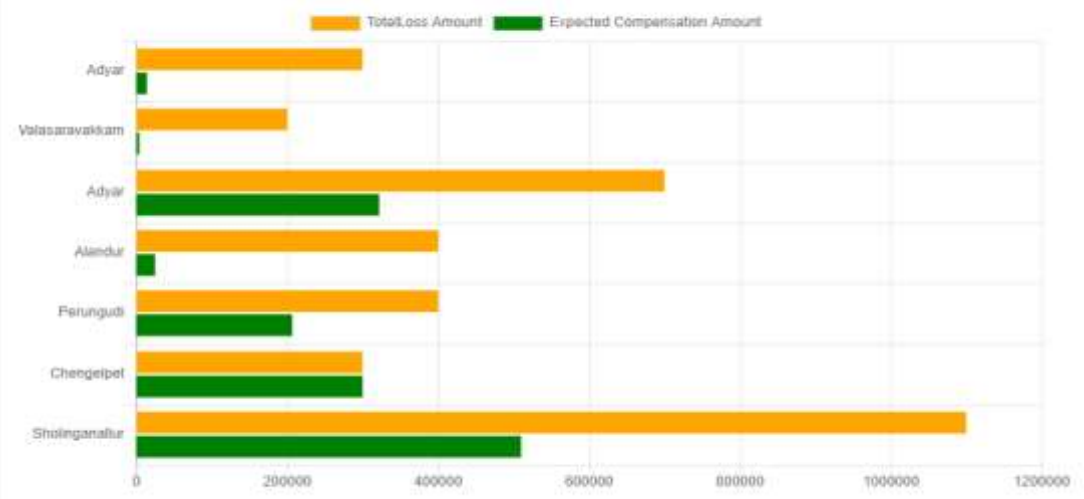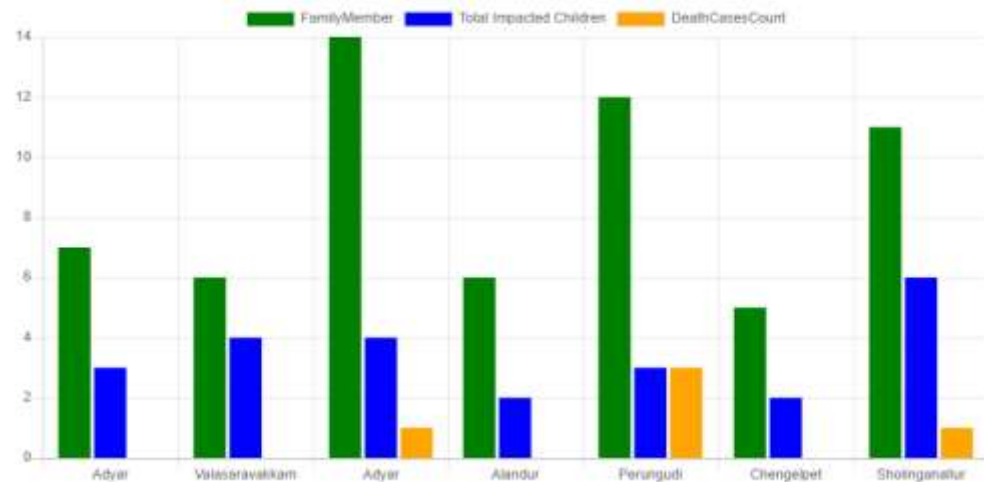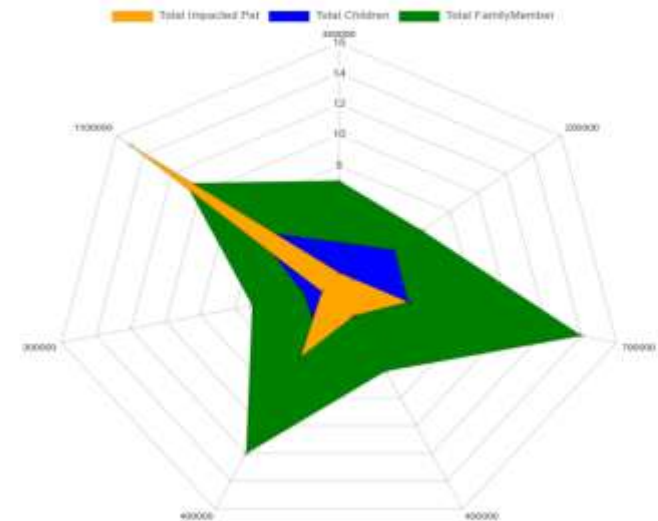
Record-breaking rains flooded many parts of Chennai.

Chennai Corporation teams baled out water from 35 areas that reported water stagnation on Saturday. The zones with persistent water stagnation on Saturday include Tiruvottiyur, Manali, Madhavaram, Tondiarpet, Royapuram,

Overall Total Loss A...	Total Expected Com...	Total Impacted Family	flood track Report2	Death Cases Count
₹4.3M	₹1.4M	74	39	
View Report (flood track Report1)	View Report (flood track Report1)	View Report (flood track Report1)	View Report (flood track Report2)	View Report (flood track Report1)

Sum of Expected Compensation Amount

Chennai Flood 2023

- Adyar ₹336K
- Alandur ₹25K
- Chengelpet ₹300K
- Perungudi ₹207K
- Royapuram ₹5K
- Sholinganallur ₹510K
- Tondiarpet ₹10K
- Valasaravakkam ₹4K

View Report (flood track Report1)

Chennai Flood 2023

Sum of Total Loss Amount

₹4.3M

- Adyar ₹1M
- Alandur ₹400K
- Chengelpet ₹300K
- Perungudi ₹400K
- Royapuram ₹400K
- Sholinganallur ₹1.1M

View Report (flood track Report1)

Total Impacted Pet

Sum of Total Impacted Pet

Chennai Flood 2023

- Adyar 5
- Alandur 2
- Chengelpet 1
- Perungudi 5
- Royapuram 8
- Sholinganallur 15
- Tondiarpet 2
- Valasaravakkam 1
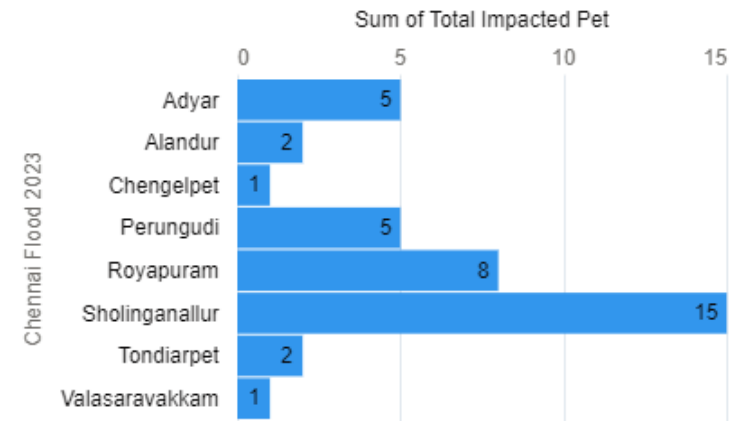
View Report (flood track Report2)

Impacted Family Members Count	Impacted Children Count

Impacted Family Members Count
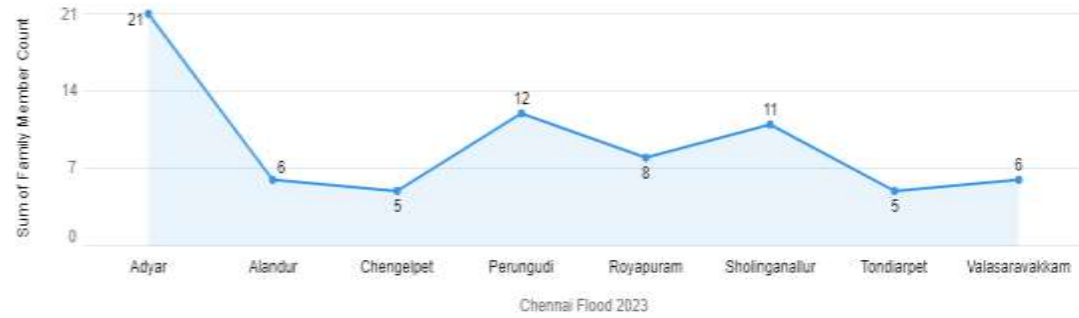
Chennai Flood 2023

Impacted Children Count

Chennai Flood 2023
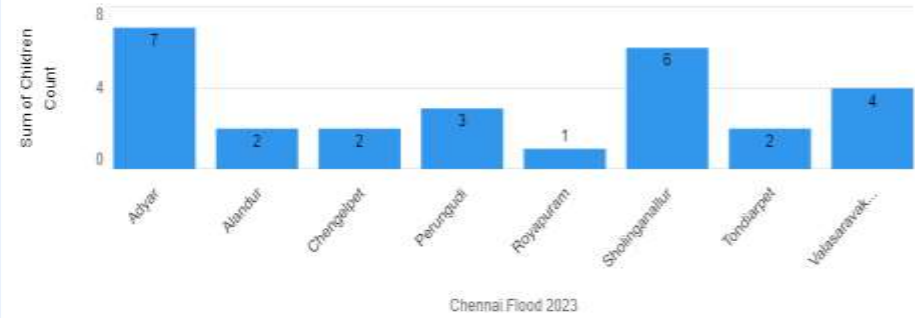
flood track Report1

Id Type ⬆	Id Number	Flood Incident Name	Impact User: Full Name	Impacted Pet
Aadhar	86754434354	Cyclone Michaung flood	Muthu Mani	Hens / other birds
Aadhar	84566787906578	Cyclone Michaung flood	Muthu Mani	Hens / other birds
Aadhar	9655243557567	Cyclone Michaung flood	Prema Latha	Cow
Aadhar	845576780954	Cyclone Michaung flood	athu jith	Cow
Aadhar	6767809809043556	Cyclone Michaung flood	Satheesh kumar	Cow
Pan Card	56667880990-	Cyclone Michaung flood	sathya Narayanan	Dog
Pan Card	5456789890	Cyclone Michaung flood	athu jith	Cow

Areawise Total loss

Sum of Total Loss Amount: ₹3.6M

Chennai Flood 2023
- Adyar
- Alandur
- Chengelpet
- Perungudi
- Royapuram
- Sholinganallur

₹1M
₹400K
₹300K
₹400K
₹400K
₹1.1M

Volunterwise List ▼ 📌

12 items • Sorted by Chennai Flood 2023 • Filtered by My floodtracks • Updated a few seconds ago

⚙ ▼ | ▦ ▼ | C | ✎ | ◐ | ▼

		Fl... ∨	Chennai Flood ... ↑ ∨	Impact User ∨	Family Me... ∨	Children C... ∨	Volunteer ∨	Severit... ∨	Senior Cit... ∨	Impacted He... ∨	Death C... ∨	Total Loss Amo... ∨	
1	☐	Cy...	Adyar	Kannan	7	3	V- Shaji	Modera...	1	Low	0	₹3,00,000	▼
2	☐	Cy...	Adyar	Arun vijay	8	2	V- Siva	High	0	High	1	₹4,00,000	▼
3	☐	Cy...	Adyar	Bilma Shaji	6	2	V- Siva	High	0	High	0	₹3,00,000	▼
4	☐	Cy...	Alandur	Prema Latha	6	2	V- Siva	High	0	High	0	₹4,00,000	▼
5	☐	Cy...	Chengelpet	Aijay	5	2	V- Ankita	High	0	Moderate	0	₹3,00,000	▼
6	☐	Cy...	Perungudi	Bala Krishn...	7	2	V- Shaji	High	1	Moderate	0	₹2,00,000	▼
7	☐	Cy...	perungudi	sathya Nara...	5	1	V- Ankita	High	1	High	3	₹2,00,000	▼
8	☐	Cy...	Royapuram	Muthu Mani	8	1	V- Shaji	Low	0	Low	0	₹4,00,000	▼
9	☐	Cy...	Sholinganallur	athu jith	5	3	V- Ankita	High	0	Moderate	1	₹5,00,000	▼
10	☐	Cy...	Sholinganallur	Thanka Ma...	6	3	V- Siva	High	0	Moderate	0	₹6,00,000	▼
11	☐	Cy...	Tondiarpet	Satheesh k...	5	2	V- Shaji	Low	0	High	0	₹5,00,000	▼
12	☐	Cy...	Valasaravakkam	Sasi Naraya...	6	4	V- Shaji	Modera...	0	High	0	₹2,00,000	▼

Google Maps

⚠ **High Imapcted Area in Chennai**

Cyclone Michaung Flood 2023 (5)

Severity Status
Sholinganallur, TN

Severity Status
Adyar, TN

Severity Status
Tondiarpet, TN

Severity Status
Valasaravakkamar, TN

Severity Status
Alandur, TN

Incident Tracking form.

Volunteer/NGO Reporting Interface.

Flood Track Records

	Id	Incident Name	Incident Date	Family members C...	Senior Citizens Count	Total Loss Amount
	a005g00003H1TXXAA3	Cyclone Michaung flood	Dec 2, 2023	6	0	300000
	a005g00003H1TEDAA3	Cyclone Michaung flood	Dec 3, 2023	8	0	400000
	a005g00003H1TEFAA3	Cyclone Michaung flood	Dec 2, 2023	6	0	600000
	a005g00003H1TEEAA3	Cyclone Michaung flood	Dec 3, 2023	8	0	400000
	a005g00003H1TDnAAN	Cyclone Michaung flood	Dec 2, 2023	7	1	300000
	a005g00003H1TDsAAN	Cyclone Michaung flood	Dec 2, 2023	5	0	500000
	a005g00003H1TDrAAN	Cyclone Michaung flood	Dec 2, 2023	5	1	200000
	a005g00003H1TDqAAN	Cyclone Michaung flood	Dec 2, 2023	6	0	400000
	a005g00003H1TDpAAN	Cyclone Michaung flood	Dec 2, 2023	6	0	200000
	a005g00003H1TDoAAN	Cyclone Michaung flood	Dec 2, 2023	5	0	500000
	a005g00003H1SQ7AAN	Cyclone Michaung flood	Dec 1, 2023	7	1	200000
	a005g00003H1RmXAAV	Cyclone Michaung flood	Dec 2, 2023	5	0	300000

Thank You