

Missing Alert and Report System (MARS)

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Abstract - The Missing Alert and Report System is developed to facilitate the search process when a person goes missing. Connecting the people through emails and text messages is critical for ensuring the safe recovery of a child. The MARS alerts will not only expedite the search and recovery of the missing child but will also ease the financial and emotional burden of the search. Media can be a very effective method for bringing the missing child home. Media can be very helpful for reaching new people and these people can uncover new leads. Thus, the MARS system uses emails and text messages which are widely used in India.

Key Words: Missing, Alert, Report, Kidnap, Find

1. INTRODUCTION

In India, every year, 100,000 children go missing. The most common causes of suicides and run-away cases are anxiety, stress and drugs.

When an individual is missing for more than 24 hours, a missing case is filed. When they go missing, their family begins to worry and ask questions to people around them. Finding the missing person is difficult by only asking questions.

A search for the missing individual begins once it is confirmed that the person has been missing for more than twenty-four hours without anyone having a clue of their location. It is important to take quick action for bringing the missing person home at the earliest. MARS provides the resources required for sending out alerts using information technology. Printing posters and putting them around can be time consuming and expensive. MARS provides a cheaper and much quicker alternative to the traditional posters by sending alerts through emails and text messages.

1.1 Motivation

When a child goes missing, feelings become raw and these can hinder the ability of parents to make decisions.

One has to wait 24 hours for a missing case to be identified. Taking steps within 24 hours, though, is essential to bring a lost child home. In India, a child goes missing about every 7 to 10 minutes, according to the National Crime Records Bureau (NCRB). At this rate around 52,560 children go missing every year.

India has a high figure of child trafficking. In some cases, children are abducted and sold in the market.

1.2 Problem Statement

The application of MARS (Missing Alert and Report System) will connect the people in an area through emails and messages and to notify them about any missing reports in that area. This system will have a record of the contact numbers and email ids of people according to their addresses. These details will be used to send them alerts about missing cases in their area. In the 'New Alert' section the user can enter the details of the missing child along with a recent photograph. This section will also take from user two contact numbers. The emails sent by the system will have all the details of the missing child along with the photograph that is uploaded by the parent/guardian. The text messages sent by the system will have the name of the missing child.

2. Architecture/Framework-



Fig-1: Block Diagram

As we have a database connected here, the client gets connected to the web and application servers as he/she begins providing with the required information. All of this

data is stored in the database that loads and processes in the backend and is kept safe and secured.

3. Algorithm-

After clicking on 'Get Started' button the user will be directed to a login page where in he/she will have to login using a username and their password.

If the user does not have an existing account, he/she can click on the 'create an account' button to get directed to the sign-up page. Here the user will have to enter the required information for account creation. The user will now be directed to the about us page where the information about the application will be available. On clicking the 'new alerts' button the user can create a new report by entering the required information of the missing person and an image of that person for better judgment. On clicking the 'view records' button the user will be able to view all existing records of the missing people which were reported on the application.

The user will be able to access his/her profile by clicking the 'view profile' button and the user can also check the list of all the people he/she has reported missing at the bottom of this page.

If a missing person is found then the respective user can delete that particular record from this page using the delete button on this page.

4. Experiment and Result

The 'New Alert' page is designed for the users to enter the details of the missing child. This page keeps in mind the smallest of details of the missing person to make sure that the child is identified easily. The parents/guardians of the missing child can enter their contact numbers and if the child is seen by anyone the parents can be contacted immediately. The image of the child can be uploaded and this image will be sent by mail to people staying in that area where the child was last seen.

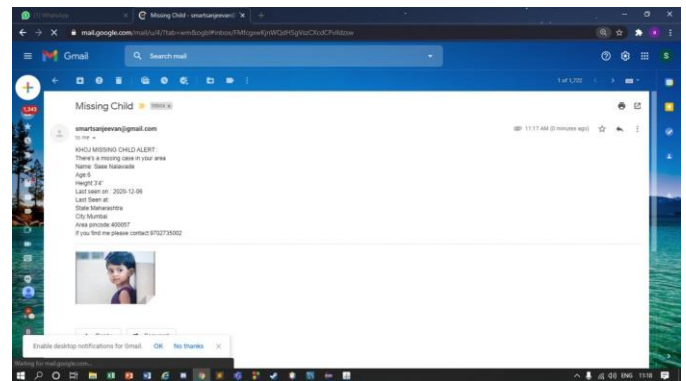


Fig-2: Email

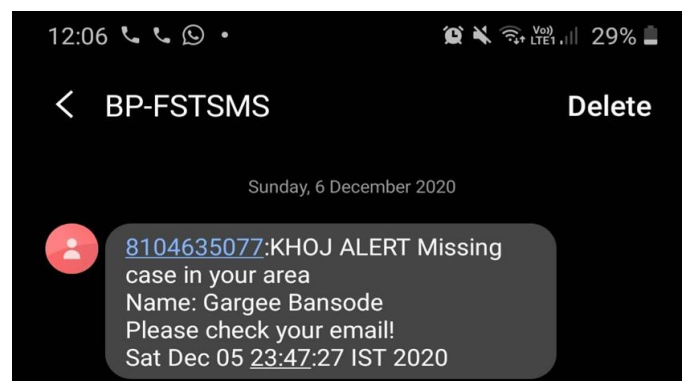


Fig-3: Message

The MARS project has an attractive signup page which enables users and organizations to independently access MARS. Whenever a new user registers via the signup page their records will be updated in the database. The signup page also has validations to make sure only valid users are registered in the system (for example a person below the age of 18 will not be able to access the system).

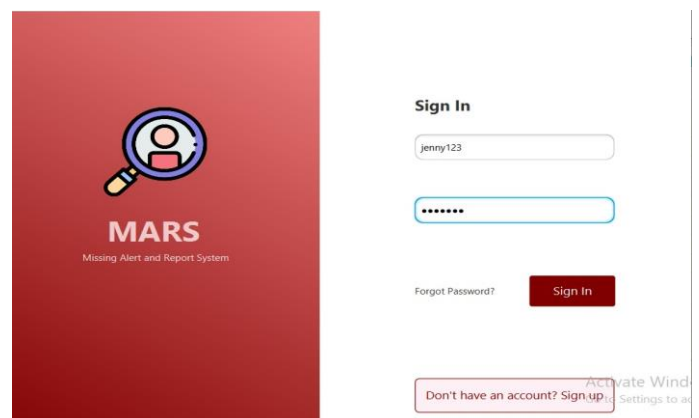


Fig-4: Sign In Page

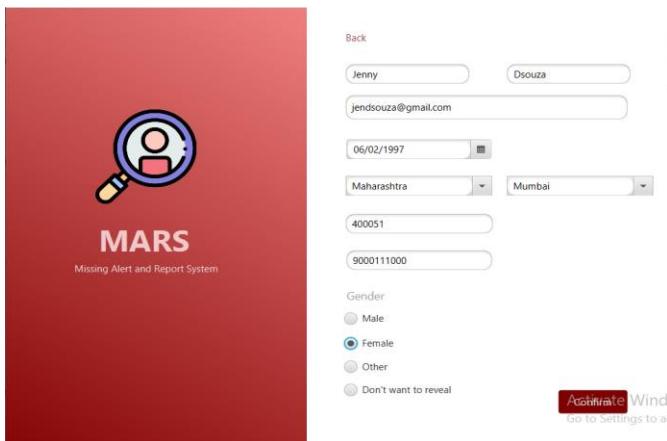


Fig-5: Registration Page

5. CONCLUSIONS

We believe MARS (Missing Alert and Report System) will prove helpful for finding missing people. This application majorly benefits in finding the children that have gone missing and helps NGOs and other concerned civilians to help find those missing children. The interface is user friendly and easy to use with no complications. It has a friendly environment that connects customer willingly. The user provided information is secured in our database with less chance of comprising it. It can be fully customized by integrating different API's.

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