Live Digital Education For Internet Community Analysis To Support Emergency Management

[1]Prof. Belsare P. P. [2]Ghadage Prashant Vitthal, [3]Gawade Gajanan Shankar,
[4]Nagare Ajinath Shankar, [5]Ubale Prashant Hanumant

[1]Team Guide, [2]Team Leader, [3]Team Member, [4]Team Member, [5]Team Member
[1]Department of Computer Engineering,
[1]S. B. Patil College of Engineering Indapur, India

Abstract : This Design paper is about to analyses the Emergency Management like disaster by using the internet community. In the social media like Twitter, Fb and Insta we used for the raw data to predict the our system. In this particular model, we used the the Live datasets of the twitter to get the crisis data. In this system we used the algorithm of the machine learning to create our model. A algorithms automatically finds the relevant tweets in the twitter developer api calls. So we get that that and we used as the input of our system. Then by using various techniques of the data cleaning we cleaned that twits and make the ambiguous data to the useful data for our system. Now a days the cyclone is happening and that's why we are creating this model to predict the actual situation of the particular areas. And the TAUKTAE cyclone is the captured by our system. Most of the tweets tells to our system to which area is covered by that TAUKTAE cyclone.

IndexTerms – **Live Digital Education, Crisis Management, Emergency Situations, Prediction Model, Machine Learning.**

I. INTRODUCTION

In the Machine learning the data is the most important aspect of the system. By using the live time data we are creating the such a prediction model of the crisis management which gives the live education related to how to deal with the any disaster calamities of the world. In this system the data is taken from the live developer apis of the twitter that can be used for the analyzing and processing purpose. The Cleaning of the data, Analyzing as well as Processing and giving the output is the main three components of machine leaning.

In our system we are trying to make the response as well as rescue of the disaster or crisis by using the live datasets of the twitter. Now a days the cyclone is happening in our country due to that we are create this system, to focus on the emergency responses by that government. Our system is the total online data prediction system in that the twitter UI is also created to the make friends and manage the admin panel from that GUI system. In our system the tremendous amount of the data is processed at a time by using the keyword stuffing also. By using the keyword searching the main important keywords are the taking the from the tweets so we can take that tweets easily. In our system the primary data is taken from the user of the social media to process so we are trying to make the system more efficient to neglect the fake data from the users by sing the validations in our future works.

II. RELATED WORK

In our project this area is more sensitive because the crisis and disaster are the most dangerous to the human beings so other system are also crate the prediction model but we are trying to make more efficient. In this project the various types of the prototypes and the classification of the vectors are also included. In that the live digital education is also included to make the quick reponses to the natural calamities by using our real time prediction model.

III. WORK PROGRESS

We divide the whole project in to the three parts. Which are as follow as

1. Real Time Data Gathering : Currently we are take the Real time data from the Social media named Twitter.com which gives us the required data of our area for the processing purpose and keyword searching purpose also.

2. Data Processing : After collection of the data, that ambiguous/unclean data is to be clean by using the various methods of the machine leaning. In our system we are using the keyword Searching, Various outliers detection and also outlier removal, which gives the unclean data reduction. And we use the java as a programming language and use of the algorithm together to give the final prediction/final keywords that is used to give the actual

3. Output : In the output the final crisis are to be identified by the system and gives the result by the area wise.

IV. PROPOSED SYSTEM

Problem Statement :

Live Digital Education For Internet Community Analysis To Support Emergency Management.

Goals and Objective :

The Follow points shows the goals and objectives of our proposed system: To reduce the late responses of the natural calamities like disasters and tsunamis and much more. Our system is to be proposed to predict the actual disaster areas more faster by using the social media, cause most of the time the first news is spread on the social media by that local peoples so we take that advantage to create our prediction model to make it more faster for that regional government also.

Working of the system:

Due to the Data is noicy we used the algorithm of AOMPC which gives the active online multiple prototype classifier. Due to its algorithm, we can do the following stages without any errors :

Process 1: Identification

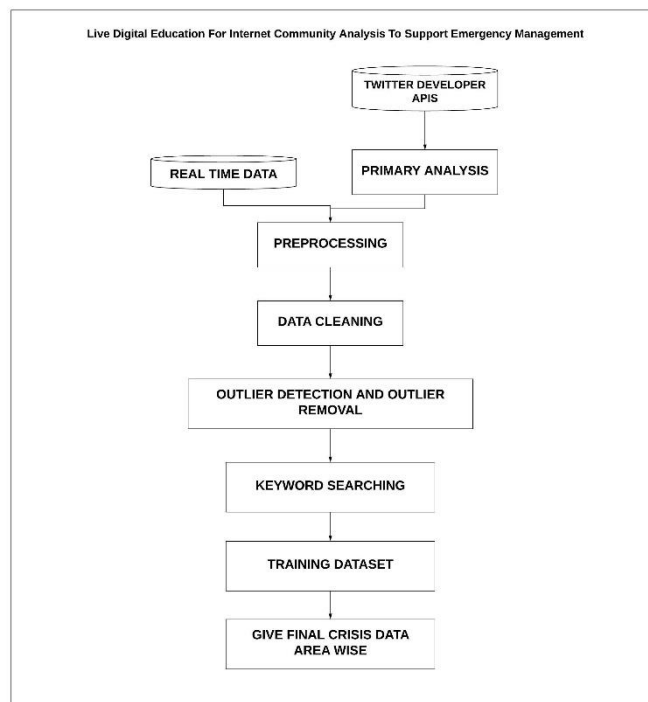Process 2: Quantification

Process 3: Response

Process 4: Control

Figure 1: Working of the system

V. APPLICATIONS :

1. System is used for Predict the Real time crisis/ emergency situations to responds immediately.

2. Concept of this this learning gives the more saving of the human lives.

VI. ADVANTAGES :

1. Due to this system / Live digital education we are try make the awareness of the faster rescue as well as the responds of the natural calamities to save the humans life. Cause human life is the most valuable.

2. Significantly increase accuracy/ faster work in the natural calamities to save the humans.

VII. CONCLUSION :

The paper will help to enhance the responds as well as the rescue in the critical/emergency situation, so try to make the prediction system/ live digital learning system it tells the actual areas of the natural calamities are going on by using the real time social media data prediction. Due to real time data prediction the system is trying to make it more accurate, we can take the immediate action on it.

This module is to make separate the relevant and irrelevant data od the user. By using the algorithms, we are taking real world social media datasets. And we use the generalization to handle the ambiguous data for the class / raw data distribution.

REFERENCES

[1] B. Hammer, D. Hofmann, F.-M. Schleif, and X. Zhu, "Learning Vector Quantization for (dis-)similarities".

[2] A. Denecke, H. Wersing, J. Steil, and E. Korner, "Online figure- ¨ ground segmentation with adaptive metrics in generalized LVQ," Neurocomputing, vol. 72, no. 7-9, pp. 1470 – 1482, 2009.

[3] M. Imran, C. Castillo, J. Lucas, P. Meier, and S. Vieweg, "AIDR: Artificial Intelligence for Disaster Response," in Proc. of the Companion Publication of the 23rd Int'l Conf. on World Wide Web, ser. WWW Companion '14, April 2014, pp. 159–162

[4] V. I. Levenshtein, "Binary Codes Capable of Correcting Deletions, Insertions and Reversals," in Soviet physics doklady, vol. 10, 1966, p. 707.

[5] B. Mokbel, B. Paassen, F.-M. Schleif, and B. Hammer, "Metric Learning for Sequences in Relational LVQ," Neurocomputing, vol. 169, pp. 306 – 322, 2015.