CS6110 COMPILER DESIGN

B.E CSE V Q - BATCH

LAB NO: 5 **DATE: 4/10/21**

TEAM MEMBERS: **TEAM NO: 12**

S.No.	REG. NO.	NAME
1	2019103053	Sahana Dinesh
2	2019103606	Bhavya Ramkumar

Project Title: Location Identification for Crime and Disaster events by Geoparsing Twitter

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Abstract:

Timely and accurate information about ongoing events is crucial for relief organizations seeking to effectively respond to disasters and crime. Nowadays, social media platforms, especially Twitter, have gained traction as a novel source of information on such events. Unfortunately, geographical information is rarely attached to tweets, which hinders the use of Twitter for geographical applications. As a solution, geoparsing (parsing text to detect terms associated with geographic places) algorithms extract and can locate geographical locations referenced in a tweet's text.

We apply various steps to parse tweets to extract the location information from tweets. The main motive of this project is to be able to identify the location information and to identify the Crime & Disaster events mentioned in tweets for the information to reach the concerned authorities.

Deliverables:

Input Data:

Our system's input consists of tweets, and information associated with it such as tweet time and location hashtags, that have been collected using Twitter API's by searching for particular keywords related to crime and disaster events.

Output:

A database containing all information retrieved by analysing the fetched crime and disaster related tweets over a particular geographical location.