**14/8/19 EXPERIMENT -1 FEASIBILITY REPORT**

**A Social Media Threat Assessment Tool**

**Objective:** Improve law enforcement intervention to threats communicated over social media.

**Description:**

Police intervention in Facebook and Twitter post cases is difficult

**Problem in existing system:**

* Manual investigative process-requires investigators to manually intervene the social media text.
* Multiple court orders or search warrants to provide internet protocol (IP) address information, a name for the internet provider for the threatening post.
* Even if a suspect is identified quickly, during times of high threat volume, investigators must decide which threats to put limited manpower toward. There is no standardized guidance for how to make these decisions

**Cost Analysis:**

**Software Cost-**

* social language sentiment software
* a public records search engine
* a confidence scoring tool interface
* Twitter Api
* SQL
* Cloud storage

**Hardware Cost-**

* Laptop
* Company server

**Future Scope:**

analysis of social-media language can identify risks to a company’s reputation through a coding process.

Using this tool could also help determine which threats have a higher probability of happening.

confidence scoring provides a ranking based on how probable an event is to happen

Reference:

Obtaining the identity of a Twitter account holder requires court paperwork based on probable cause or exigent circumstances. Second, social media allow people to repost tweets from the original threatener, whereby the same threat appears to originate from many different people. In this case, it is difficult to identify which poster poses the highest risk of violence.