* Sentimental analysis enables the computer to comprehend human emotions and make decisions based on those emotions.The motivation of this project is understanding human feelings and determining the emotions .Analyse customers feedback for improving the product standard and develop product quality and sales.
* sentimental analysis is a type of data mining that measures the inclination of peoples opinions through natural language processing.Initiall process wilL be recording the voice call of a customer and **Noise is removed with Amplitude and frequency of Audio by using lowpass and High pass filters.**After that the process splits into two(text analysis ,tone analysis).The recorded voice is processed and speech to text conversion will be done by using the python language.By analysing the text, the polarity,subjectivityare analysed.**Naive bayes classifier determines the probability of each word using Bayes formula and the text is classified.**The tone analysis will be done by finding the pitch of the text finally the mapped output will be displayed as Positive,Negative and Neutral.Thebemotion will be displayed as a output in the piechart.

This project understands human feelings and determines their emotions whether it is positive ,negative or neutral using natural language processing(NLP).Text and Tone analysis determines the Emotions .This helps to analyse their feedback for improving the product standard.

.1. SOFTWARE: Pycharmedu2018.1.3

2. LANGUAGE: Python.

3.ALGORITHM: Naïve bayes

Project is “HOME SECURITY SYSTEMS”.Today’s security systems include CCTV surveillance which is very costly and many of these systems do not trigger any alarm if intrusion is detected.Cost-effective and fast reactive security system.A prototype which consists of a ultrasonic sensor, a microcontroller unit- Arduino Uno board, LED’s and Buzzer.If there is any intrusion the sensor detects and read through arduino.

1.The major outcome of this project is to determine human emotions in The audio and analyses the customers feedback in improving the product standard .This develop product quality and sales .Tone and Text Analysis gives the outcome of our project.

2.The benefits of the sentimental analysis project is to analyse and understand the feedback of the customer about a product in a company .This enables to strengthen and develop product quality .This also understand the emotions of a text.