



Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Ministry of Information and Broadcasting

PS Code: SIH1329

Problem Statement Title: 360-degree feedback software for the government of India related News stories in Regional Media using Artificial Intelligence / Machine Learning

Team Name: ZHAGARAM

Team Leader Name: Gnana Padmesh C K

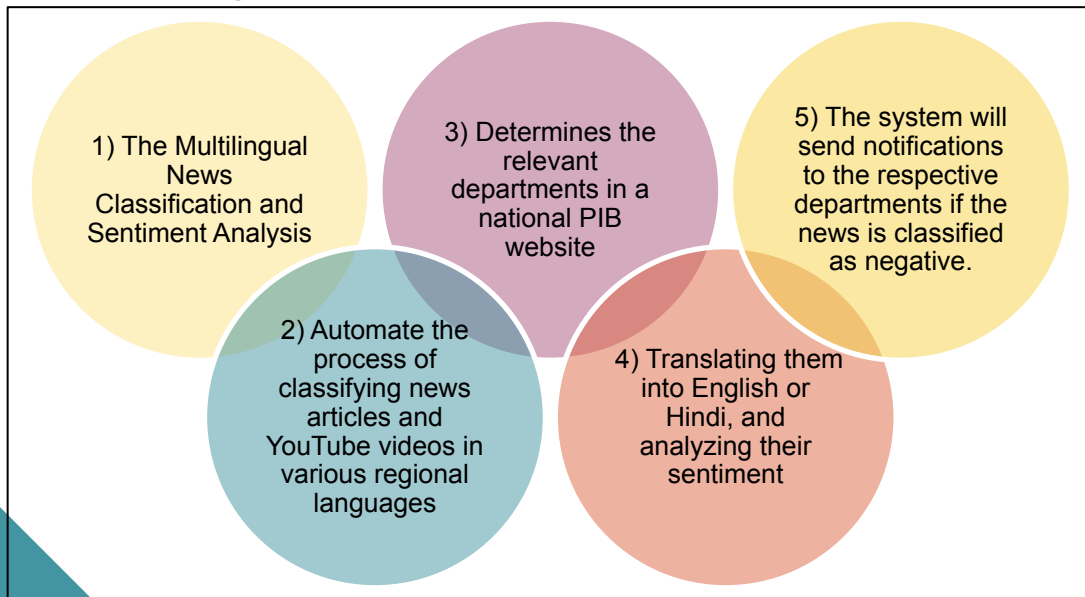
Institute Code (AISHE): 1-9319122726

Institute Name: Sri Sairam Engineering College

Theme Name: Smart Automation

Idea/Approach Details

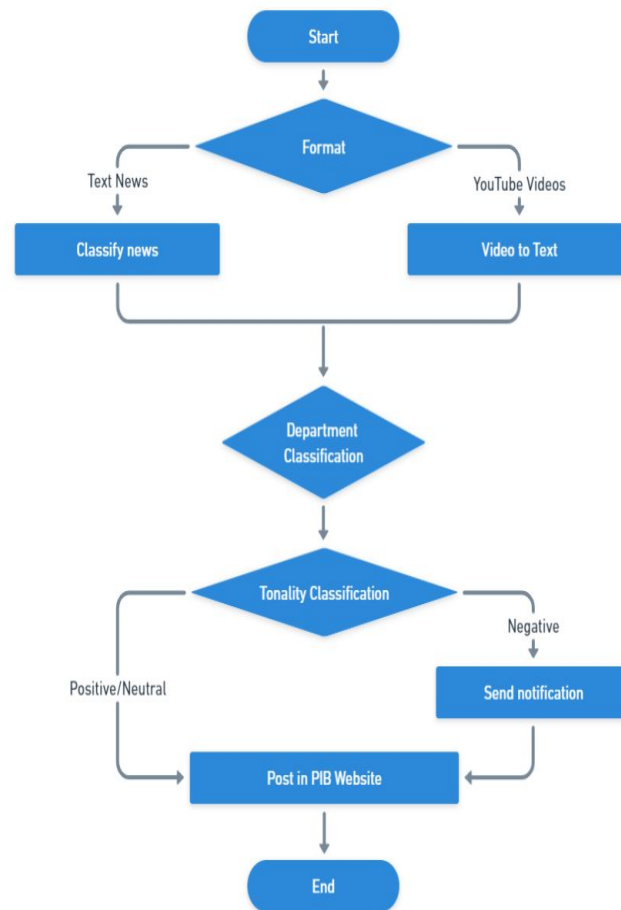
Description:



Technology Stack:

- NLP techniques and Algorithm along with BERT model
- Random Forest Classifier algorithm ,Naive Bayes Classifier algorithm
- SMS Gateway API, Pushing Box / Firebase Cloud Messaging
- Optical Character Recognition
- Front end Technologies (Javascript and React JS)
- Automatic Speech Recognition using DeepSearch
- Stream Lit and Firebase for Database Management

Flow Chart:

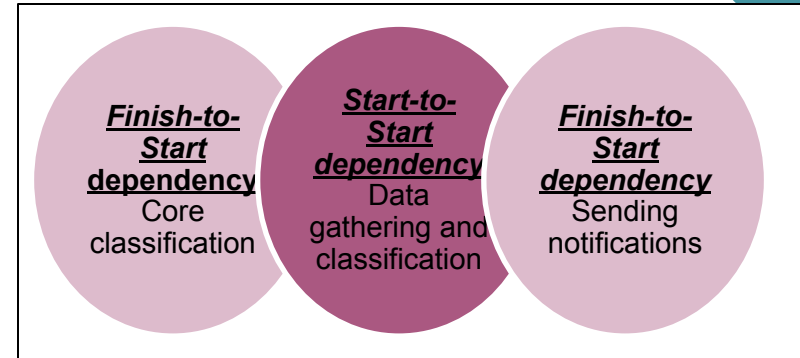


Idea/Approach Details

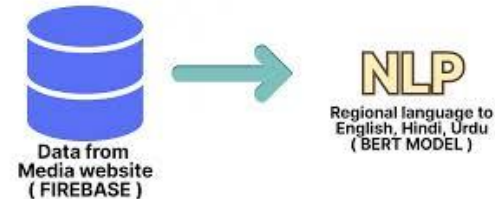
Use Cases:

- ❑ **System:** News sentiment analysis with 360° feedback tracker application
- ❑ **Actor:** Government officials, General Public
- ❑ **Application:** To deliver real-time, multilingual sentiment analysis on government news for informed decision-making in India.
- ❑ **Description:** The system offers tonality analysis, classifying news as positive, negative, or neutral upon user request. It also categorizes news into relevant departments and allows users to sort news by department and tonality, providing a streamlined and customizable experience.

Dependencies:



Show stopper - Animated Technical Video:



Team Member Details

Team Leader Name: GNANA PADMESH C K

Branch : B. Tech	Stream : IT	Year : IV
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Team Member 1 Name: SRINIVAS S

Branch : B.E	Stream : MECH	Year : IV
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Team Member 2 Name: SHANMUGHA JEYASHREE B

Branch : B.E	Stream : ECE	Year : III
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Team Member 3 Name: HEMAKRISHNAN A

Branch : B.E	Stream : ECE	Year : III
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Team Member 4 Name: KIRUTHIKA A

Branch : B.E	Stream : ECE	Year : III
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Team Member 5 Name: SANDHIYA KARTHIGEYAN

Branch : B.E	Stream : ECE	Year : III
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Team Mentor 1 Name: Dr UMAMAHESWARAN S K

Category : Academic	Expertise : AI and ML	Domain Experience : 28 Years
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