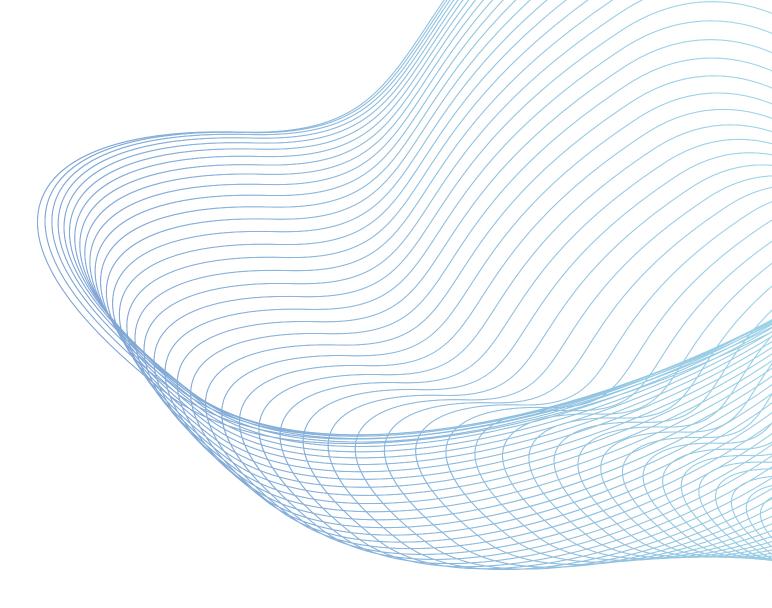
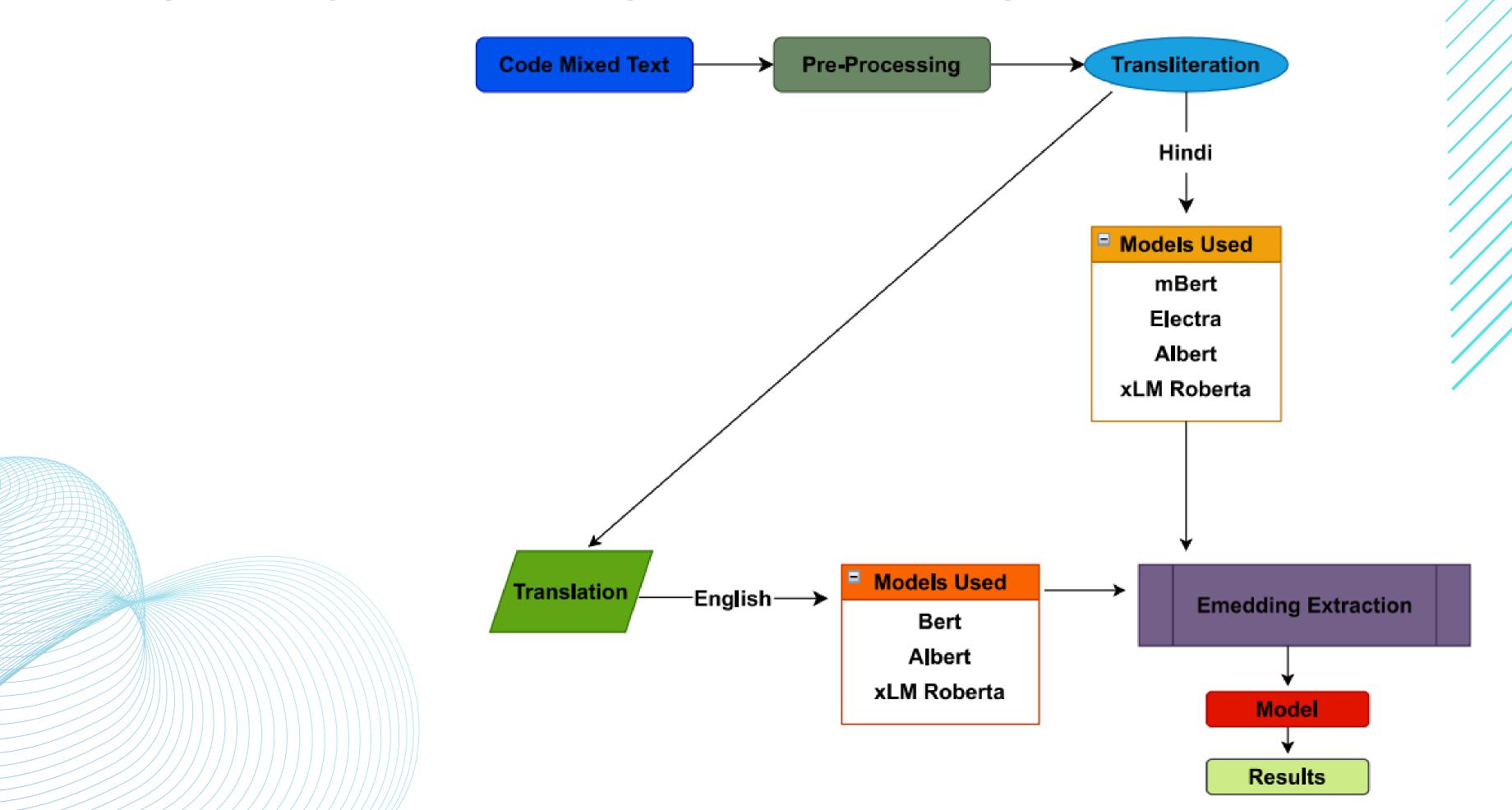


Indian Institute of Information Technology Dharwad

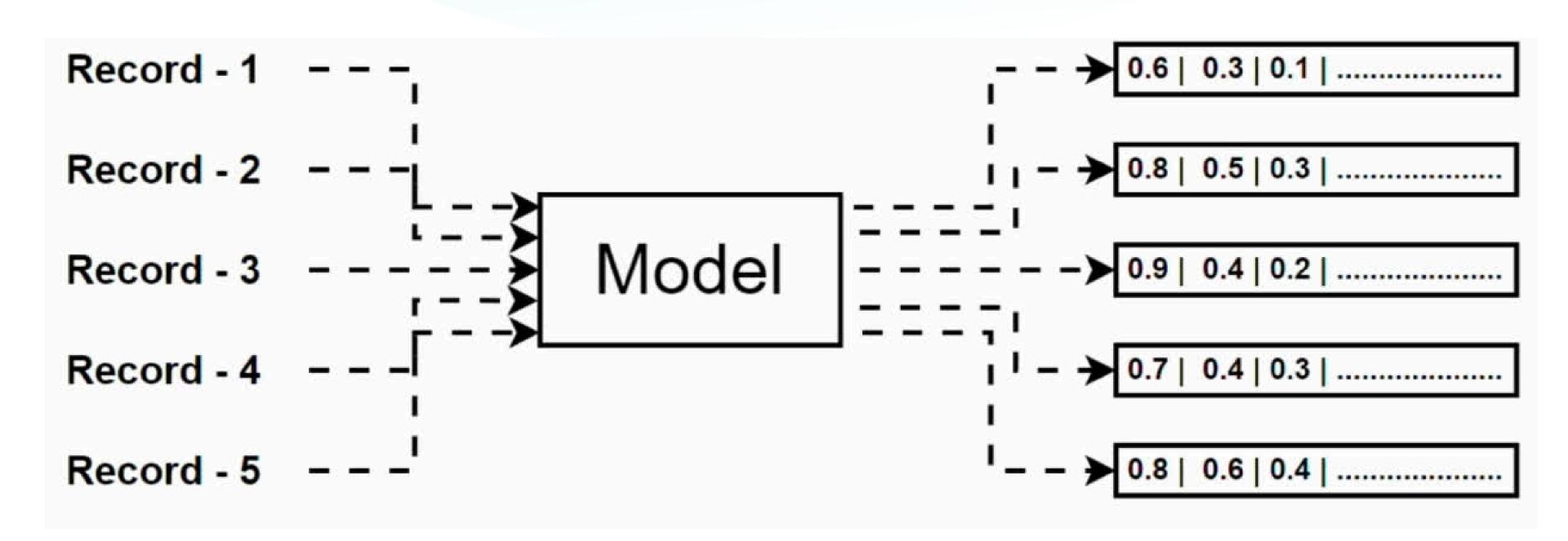
MACHINE LEARNING FAKE HATE: INVESTIGATING THE ROLE OF FAKE NARRATIVES IN SPREADING HATEFUL REACTIONS



FLOW CHART OF THE MODEL

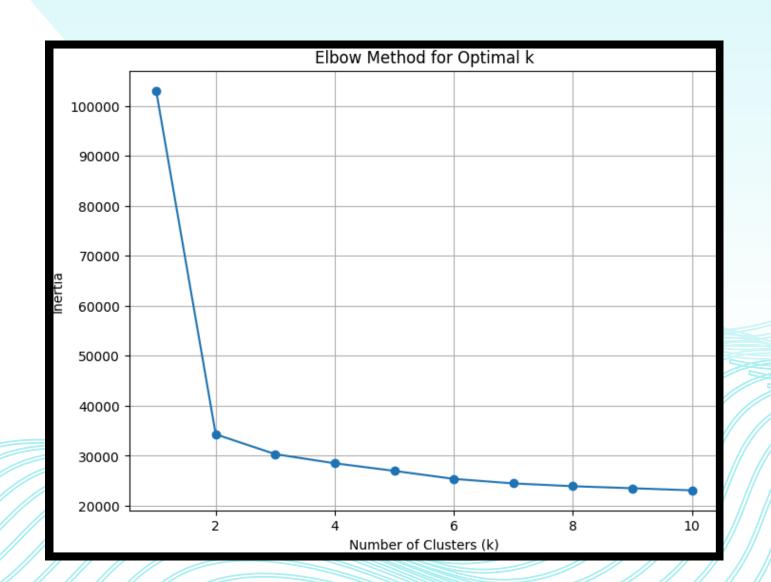


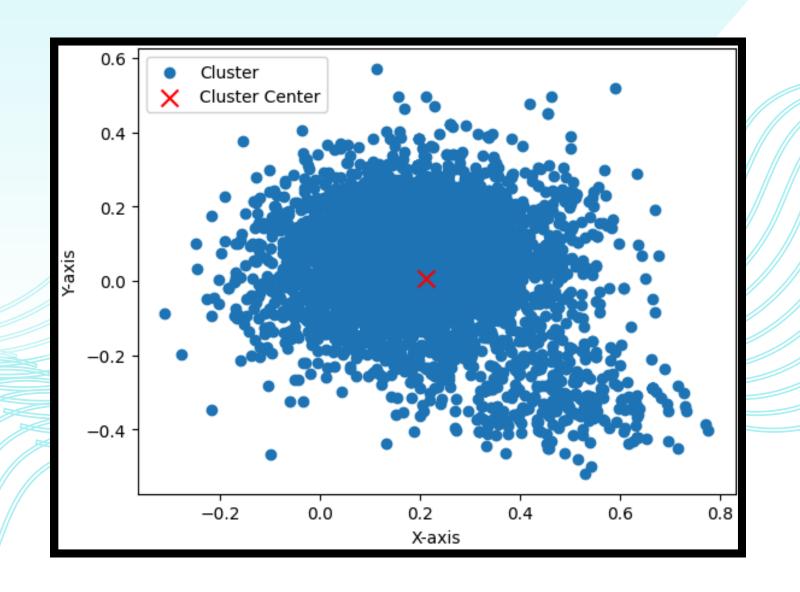
MODEL FLOW



CLUSTER FORMATION AND CALCULATING THE DISTANCES

- We utilized the HASOC-2021, Constraint_Hindi datasets to create clusters for hate and fake speech analysis respectively.
- Creation of clusters followed by measurement of cluster centers.
- Implementation of a normal distribution for outlier detection; data points beyond the range of (μ 3σ to μ + 3σ) are identified as outliers and subsequently removed.



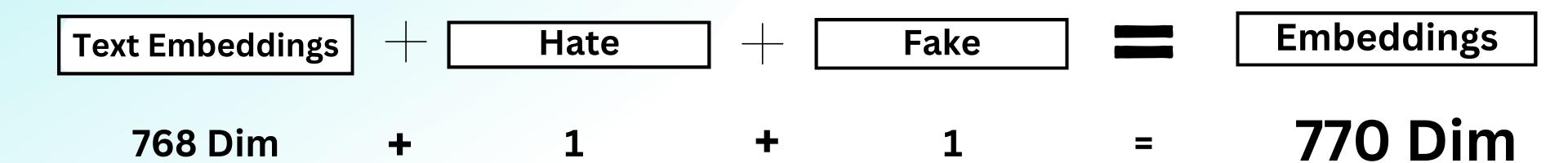


DISTANCE CALCULATION FOR OUR DATA

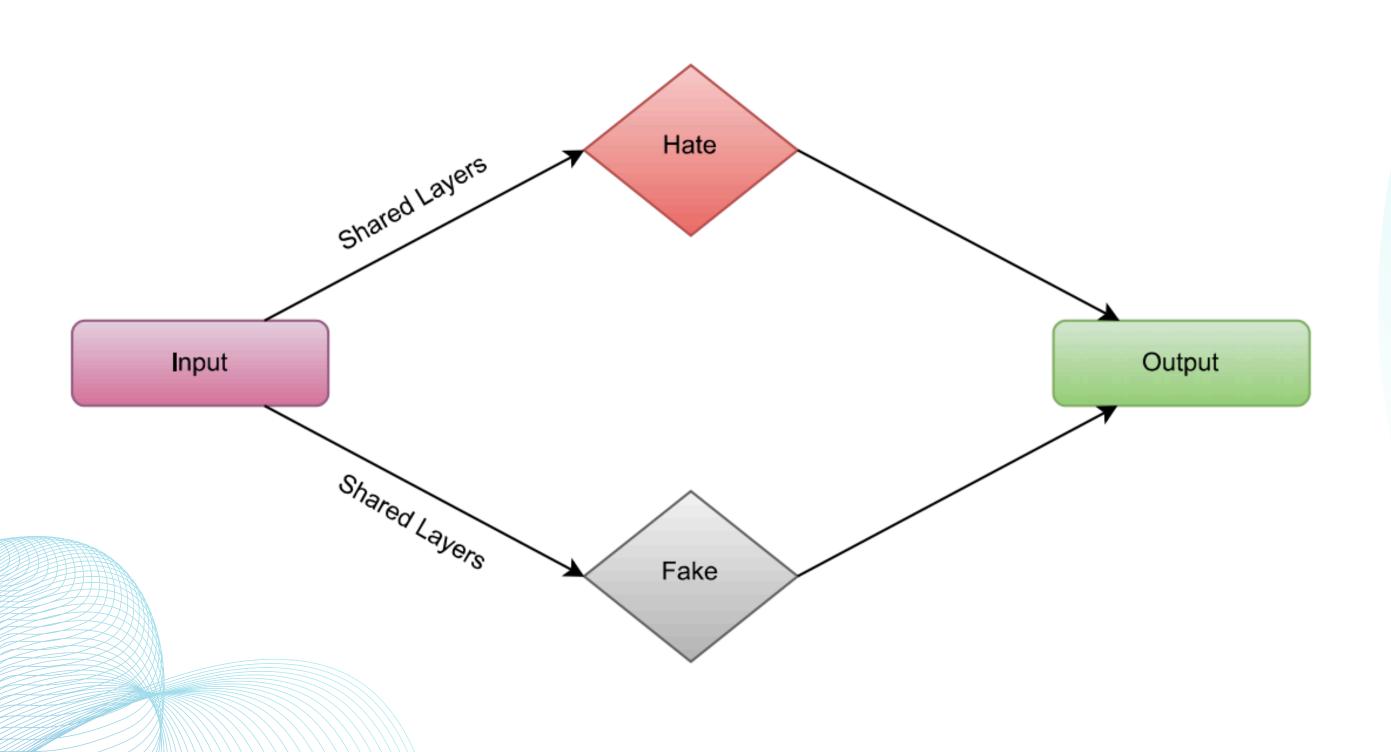
- Following the creation of clusters, we processed the data using embeddings, computing the distance of each record to the respective cluster center, and subsequently saved this information in a file.
- This procedure was applied to both translated and transliterated text datasets.

Pre_Processed_English_text	Fake	Hate	Distance_Eng_Fake	Distance_Eng_Hate
Just like coronavirus spread in China, students were brought in.	O	O	13.33701992	4.63313961
From its talk it appears that it is not the coronavirus but a scam that the Congress has done in collaboration with China	1	1	13.68127251	4.012666225

DIMENSIONS



MODEL FLOW OF SHARED LAYERS



RESULTS



RESULTS

