Model Development Phase Template

Date	23 september 2024
Team ID	LTVIP2024TMID25030
Project Title	FAKE NEWS ANALYSIS IN SOCIAL MEDIA
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
User Account Age	The length of time the user account has existed	Yes	Fake news often spreads from newly created or suspicious accounts
Content Virality	The rate and pattern of content sharing	Yes	High virality within a short time may indicate manipulative or misleading content
Source Credibility	The trustworthiness of the source	Yes	Verified, credible sources are less likely to post fake news
Emotional Language	Use of emotionally charged or exaggerated language	Yes	Fake news often uses emotional triggers to generate strong reactions

Fact-Checking Label	Presence of a fact-checking label from platforms	Yes	News flagged as "fact-checked" can be a sign of misinformation or content requiring scrutiny
User Engagement	Comments and likes to assess audience reaction	No	User engagement alone is not enough to determine contents truthfulness, but may indicate reach
Image/Video Authenticity	Verification of media authenticity	Yes	Fake news often includes manipulated images or videos to mislead viewers
Headline Sensationalism	Degree of sensationalism or clickbait in the headline	Yes	Sensational or clickbait headlines are often used to attract attention, potentially misleading
URL Structure	Unusual or suspicious URL structure(Ex: Fake domains)	Yes	Fake or misleading websites often use unusual or deceptive domain names to appear legitimate