S.No	Problem Statement ID	Problem Statement Name	Domain
12	CT-AICS - 08	Fake News Detection System	AI Cyber Sec

Description:

The **Fake News Detection System** is a tool designed to identify and flag fake or misleading news articles, posts, or messages. It uses artificial intelligence (AI) to analyze content, cross-check facts, and determine whether the information is genuine or fake.

This tool is especially useful for combating the spread of misinformation on social media, websites, and other communication platforms, helping individuals and authorities maintain trust in the information they consume or share.

Objectives:

1. **Identify Fake News:**
   ○ Analyze text content to determine its authenticity and highlight misinformation.
2. **Promote Reliable Information:**
   ○ Help users verify the accuracy of news or information before sharing it.
3. **Educate Users:**
   ○ Raise awareness about fake news and provide tips for spotting it.
4. **Assist Law Enforcement:**
   ○ Help authorities identify and act against sources spreading fake news, particularly content that incites fear, hate, or panic.

Expectations:

1. **For Individuals:**
   ○ Provide a simple interface where users can input news links or text to check its authenticity.
   ○ Offer a reliability score or clear verdict (e.g., "Fake," "Real," or "Unverified").
2. **For Authorities:**
   ○ Monitor the spread of fake news and provide alerts for content that violates laws or poses risks to public safety.
3. **For General Use:**
   ○ Include features like fact-checking and source verification to make information more reliable.

Expected Results:

1. **Reduced Spread of Fake News:**
   ○ Misinformation is flagged and prevented from going viral.
2. **Informed Citizens:**
   ○ People can trust the information they consume and share.
3. **Support for Authorities:**
   ○ Law enforcement can take action against fake news creators and distributors.
4. **Increased Awareness:**
   ○ More people become aware of fake news and learn how to identify it independently.