Lesson Plan — Mood2Emoji App (Ages 12–16)

Topic: Introduction to Text Classification using Mood2Emoji
Duration: 60 minutes
Objective:
Students will learn how AI can detect mood from text and build a simple Streamlit web app that returns an emoji for their sentence.

Topics Introduced:

- What is sentiment analysis?
- How text polarity works (positive, neutral, negative).
- Role of data cleaning and safety filters.
- Ethical use of AI for kids.

Detailed Lesson Flow:

Time	Step	Activity
0–10 min	Introduction	Teacher explains sentiment analysis using emojis and real-life examples ('I love pizz
10–20 min	Demo	Show the Mood2Emoji app and how it works.
20–40 min	Hands-On Activity	Students open Streamlit, type their own sentences, and observe mood changes.
40–50 min	Teacher Mode	Explain the polarity scale (-1 to +1). Show logic diagram.
50–60 min	Wrap-Up	Discussion: Can AI really 'feel'? Where do we use this in real life (chatbots, social m

Learning Outcomes:

- Understand how AI reads emotions through text.
- Learn basic programming logic and flow.
- Recognize ethical AI use (avoiding harmful content).
- Gain curiosity about Natural Language Processing (NLP).

This 60-minute session encourages creativity, digital literacy, and responsible AI exploration in a fun and safe learning environment.