

DEPRESSION MONITORING SYSTEM

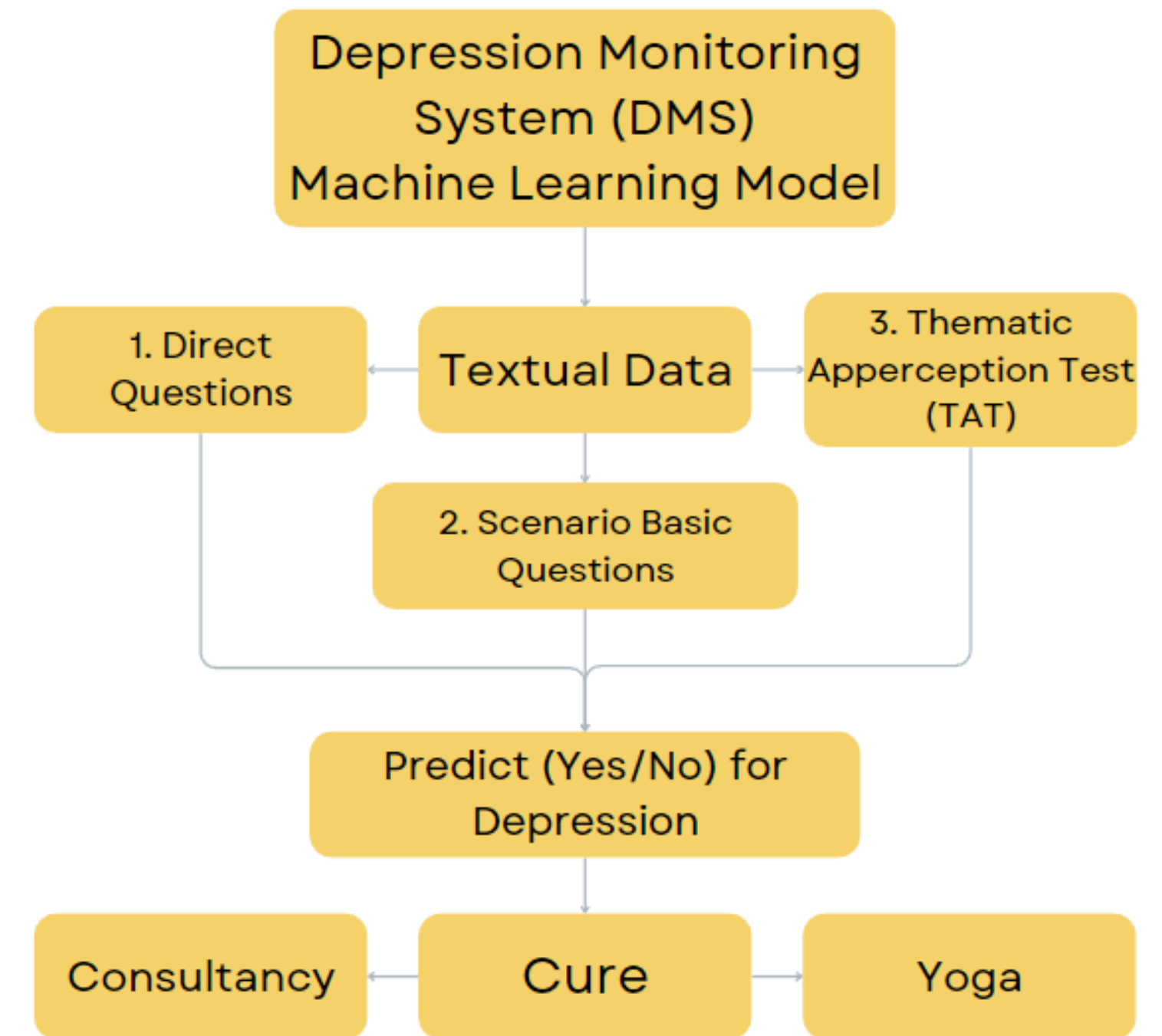
PROBLEM STATEMENT

- **Depression** is a **widespread issue**. Acc to **WHO** it **constitutes more than 40% of mental health disorders** among young people in world.
- It's essential to address this issue to support the well-being of individuals and reduce its economic burden on society.

TECHNOLOGY STACK



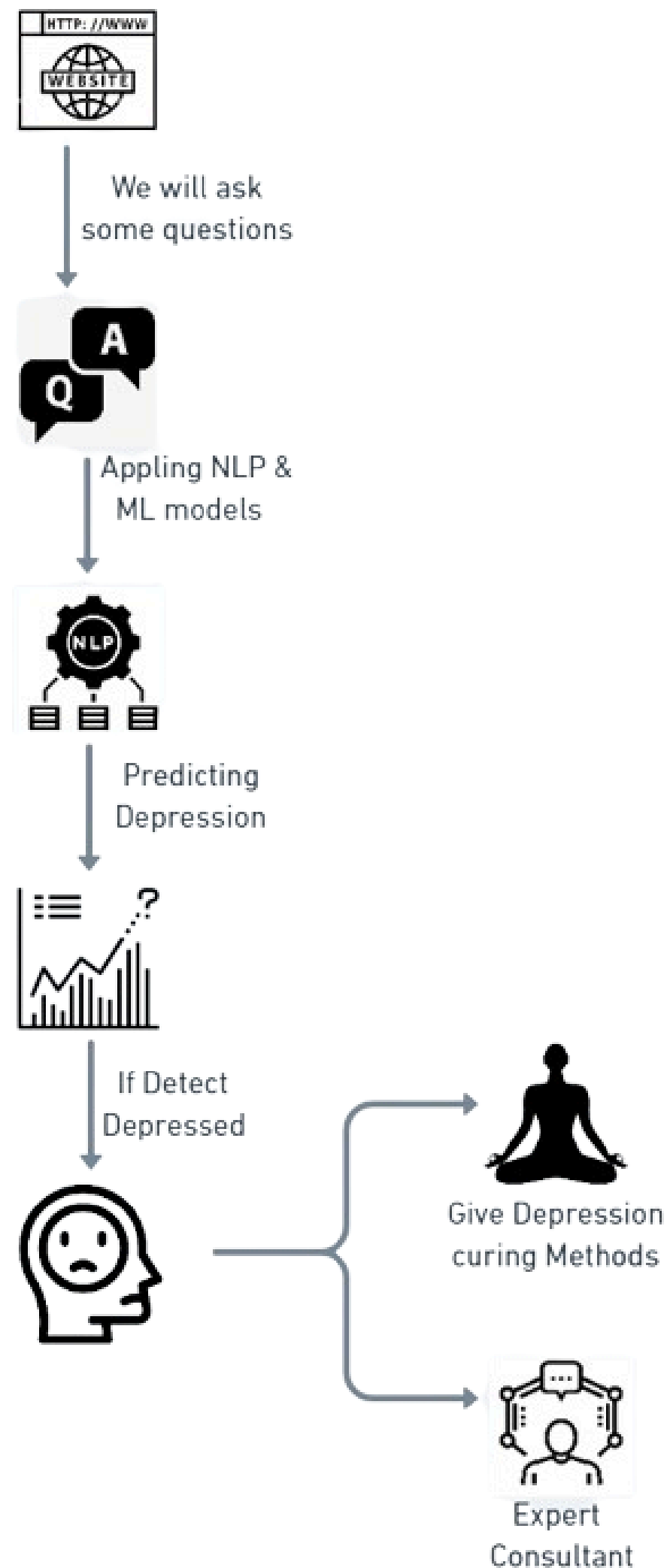
PROPOSED SOLUTION



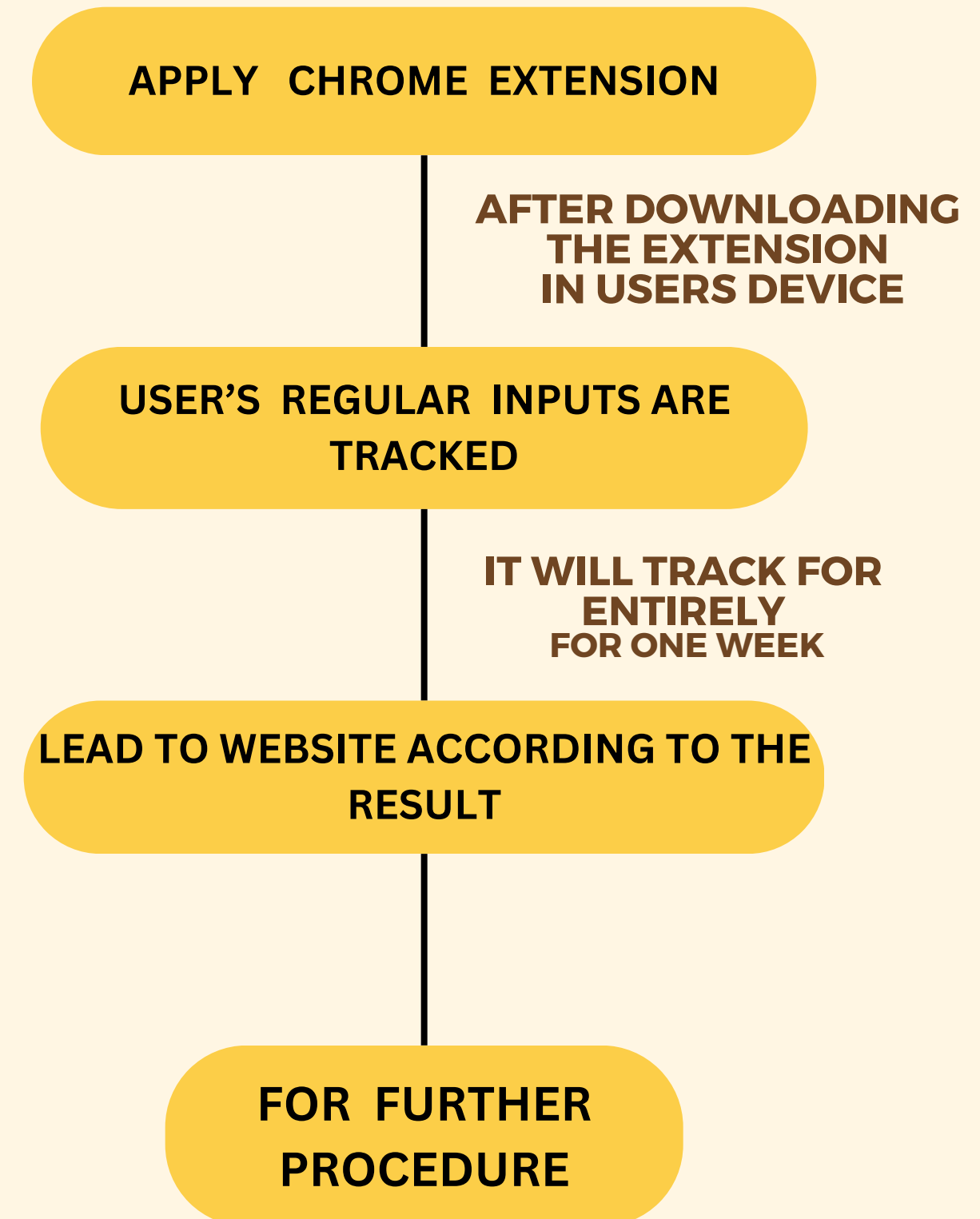
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METHODOLOGY



SPECIAL FEATURE



USE -CASES

1. Self-Assessment Tool:

- a. Users input text to assess potential depression symptoms.
- b. Receive instant feedback on their mental well-being status.

2. Personalized Guidance:

- a. Tailored recommendations are offered for uplifting mood.
- b. Strategies provided based on analysis results.

3. Web Extension Integration:

- a. Model is available as a browser extension for real-time text analysis.
- b. Users can check social media posts for signs of depression.

DEPENDENCIES

1. **Dataset:** We have considered textual data till now which is from social media.

2. **Pre-processing:** the tokenization is made to understand the text by the machine.

3. **Model Selection:** common choices include Logistic Regression, Naive Bayes, Random Forest, Decision Tree, and KNN.

4. **Deployment:** We are integrating the model with a Web Application and Google extension with a beautiful logo.

ADVANTAGES

1. Proactive Intervention:

- a. Addresses mental health issues before they worsen.
- b. Provides timely support, promoting better outcomes.

2. Accessible Support:

- a. Convenient assistance for those hesitant about traditional therapy.
- b. Break down barriers to seeking help with immediate resources.

3. Privacy and Confidentiality:

- a. Ensures private assessment of mental well-being.
- b. Maintains strict confidentiality, safeguarding user data.

4. Cost-Effective Solution:

- a. Affordable alternative to traditional therapy.
- b. Reduces reliance on expensive diagnostics, improving accessibility.

5. Empowerment and Awareness:

- a. Empower individuals to manage their mental health actively.
- b. Promotes open discussions, reducing stigma surrounding mental health.

REVENUE MODEL

Freemium Model:

Free and charge for premium features such as personalized therapy sessions, or expert consultations.

Partnerships and Collaborations:

Partner with mental health professionals, therapists, or wellness coaches to offer joint services. Earn revenue through commissions or collaboration fees.

Enterprise Solutions:

License the AI model to healthcare organizations, Universities etc. to integrate into their platforms.

THANK YOU