Behavioural change monitoring software

SMART INDIA HACKATHON 2023

TEAM GATIMAN

Problem Statement

Setting Boundaries:

1.**Domain** - behavioural nudges with respect to consumer practices and LiFE activities

2.**Tasks (ouput)** - automate definition of relevant indicators for a given nudge

- monitoring success on the basis of these indicators

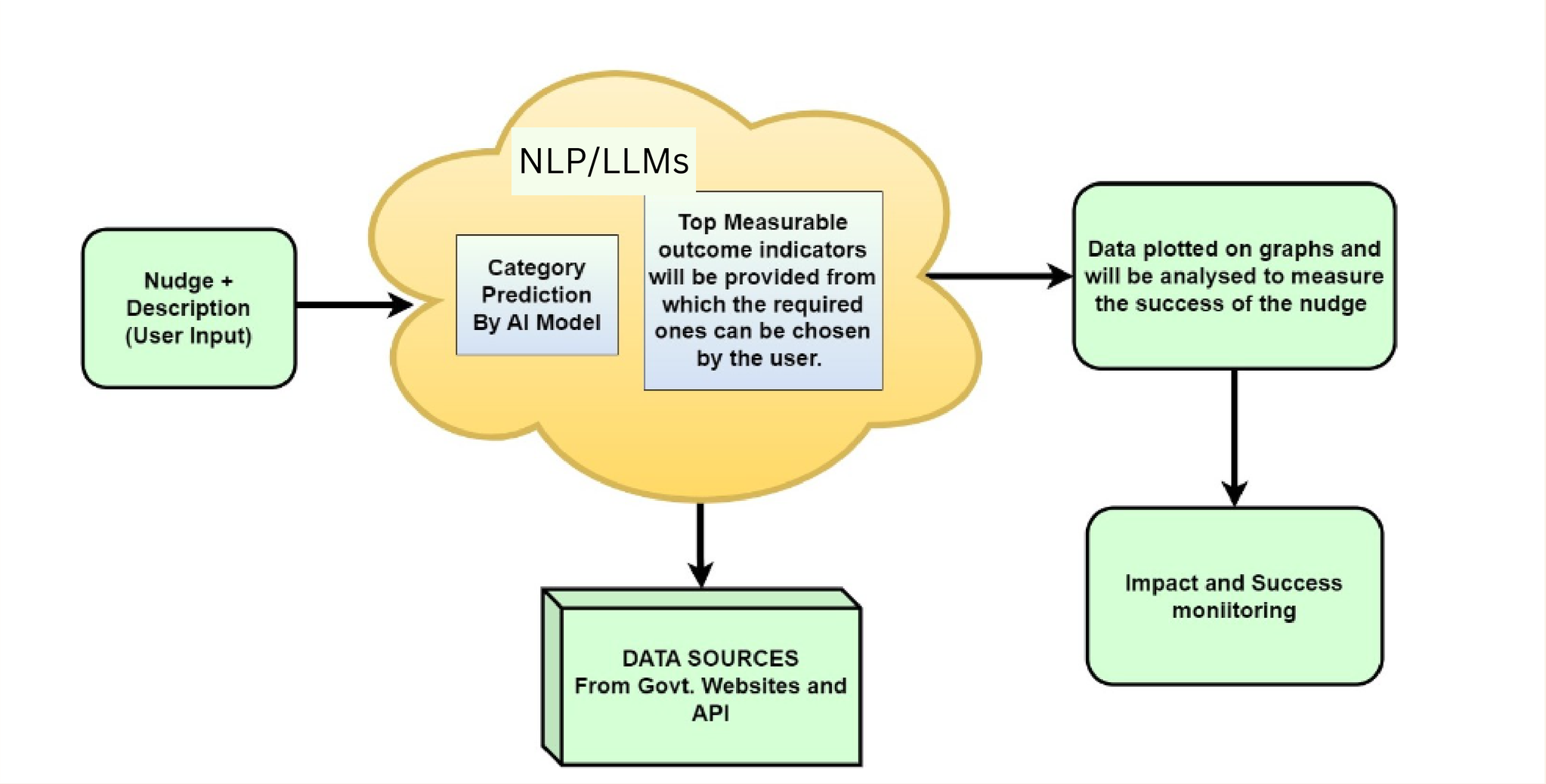
3. **Consumer**

4. **Data Source** (based on insights gained from the panel during mentorship round)

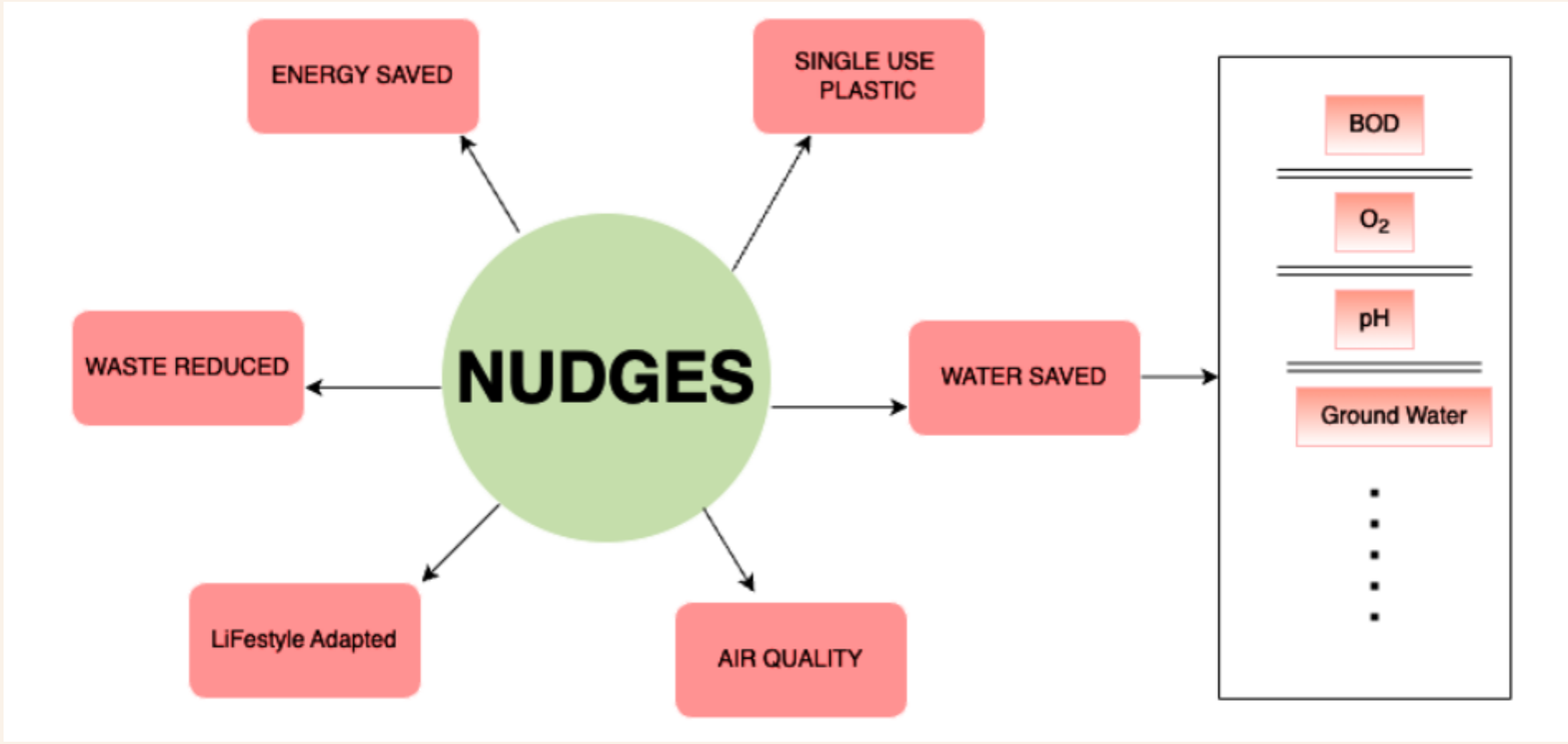
- either directly from consumer interaction (primary)

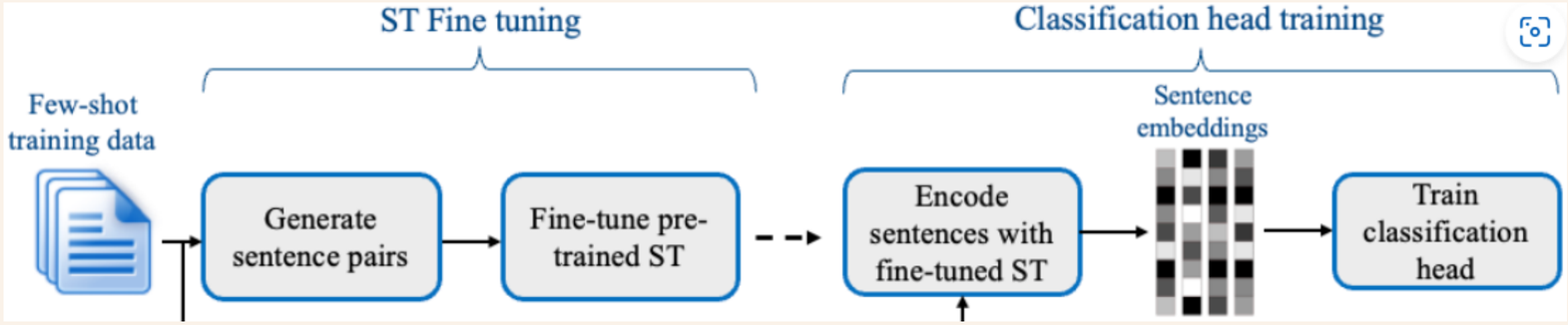
- secondary (government defined indicators that are correlated to consumer behavioural choices and lifestyle practices)

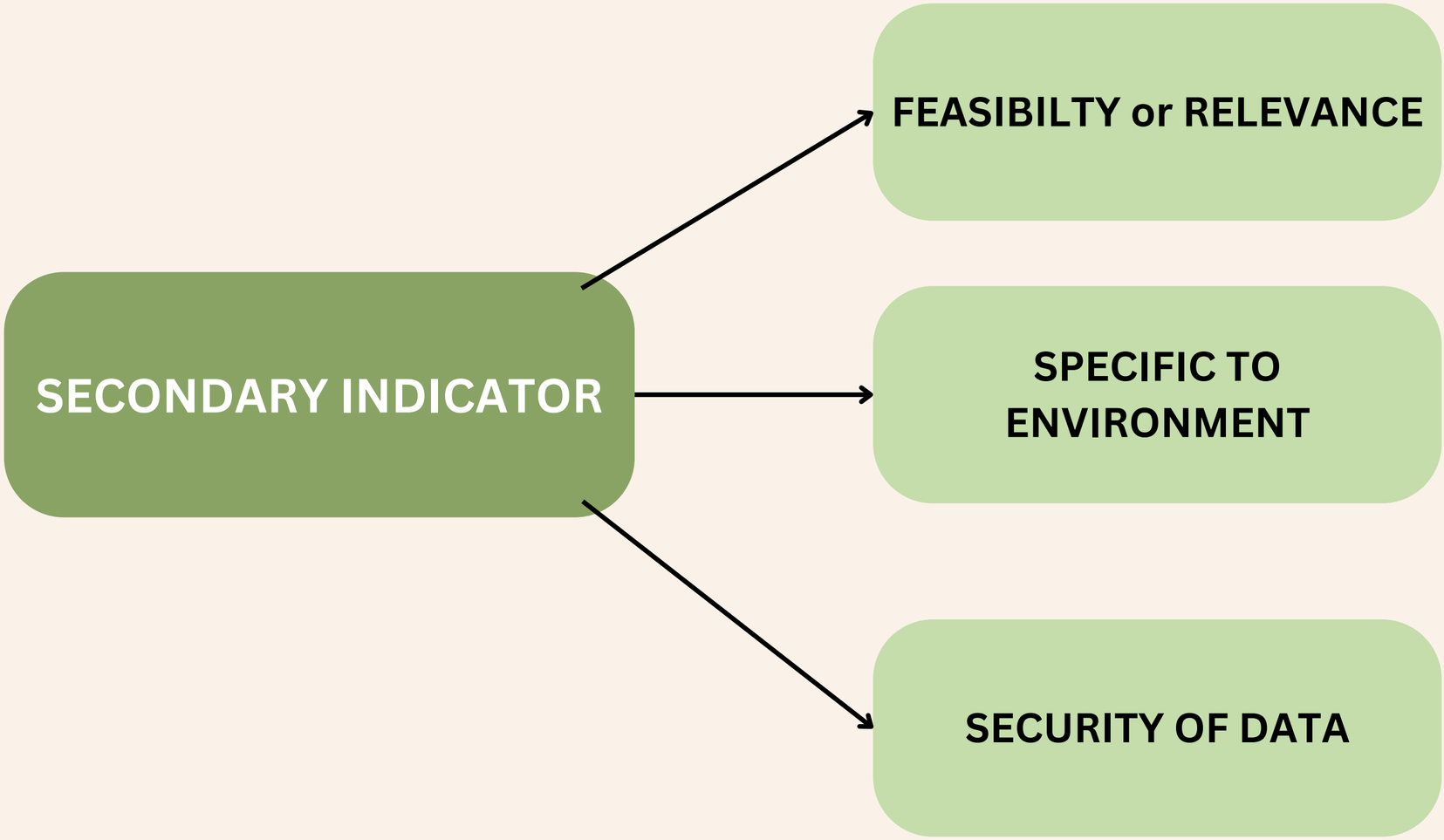
FLOW OF OUR SOLUTION

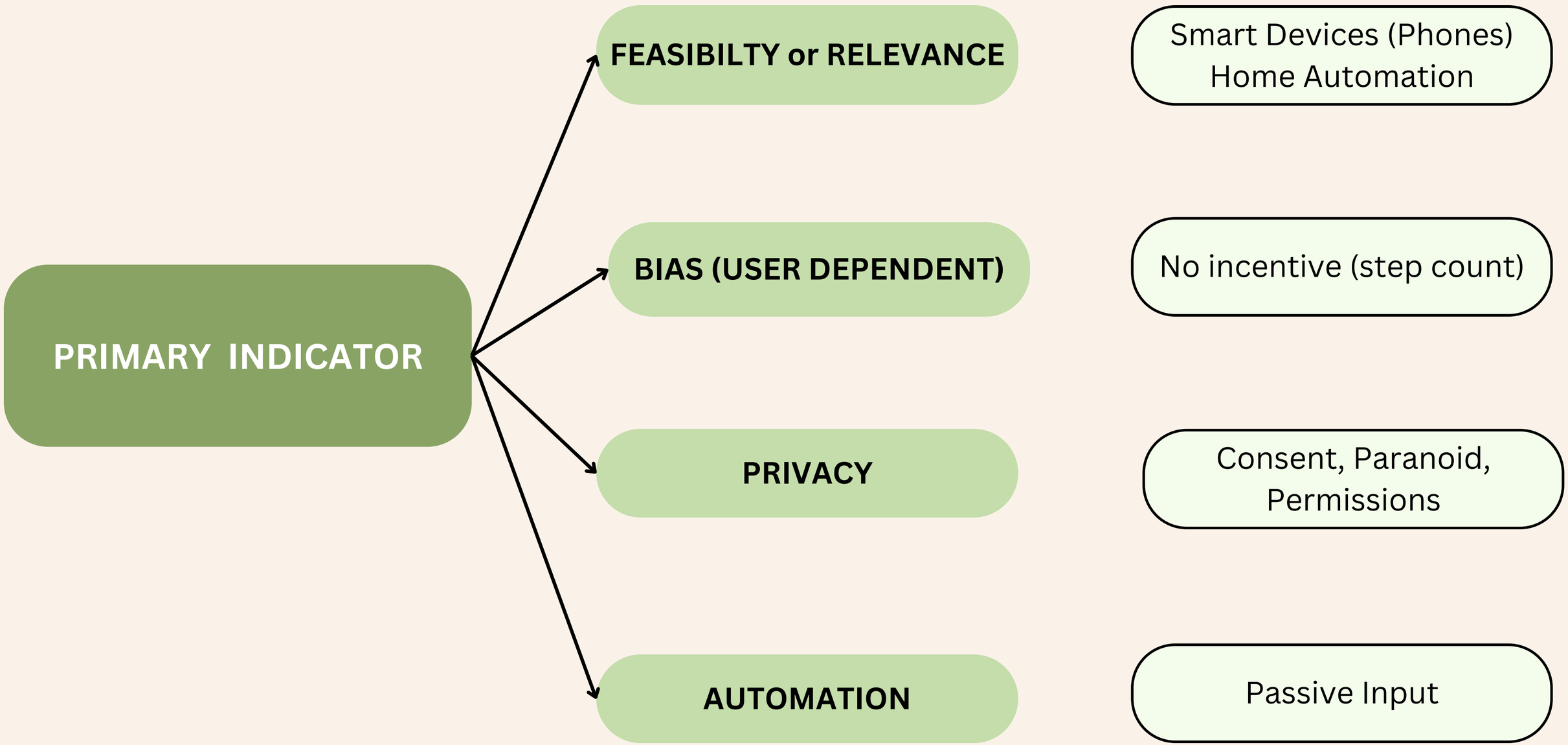


Relevance and Feasibility of Indicators

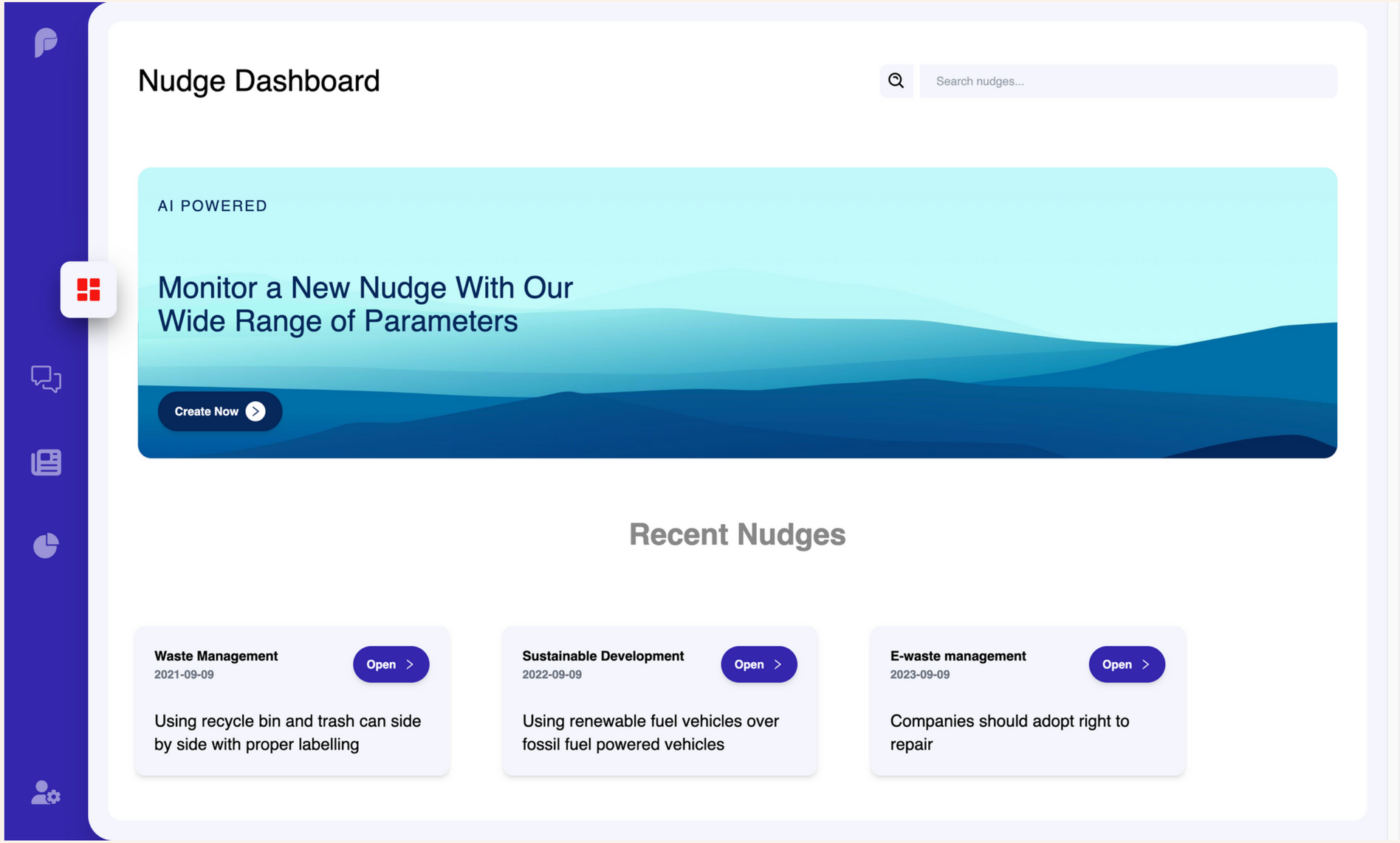





SECONDARY INDICATOR
FEASIBILTY or RELEVANCE
SPECIFIC TO ENVIRONMENT
SECURITY OF DATA


PRIMARY INDICATOR
FEASIBILTY or RELEVANCE
BIAS (USER DEPENDENT)
PRIVACY
AUTOMATION
Smart Devices (Phones)
Home Automation
No incentive (step count)
Consent, Paranoid,
Permissions
Passive Input

OUR SOFTWARE



How will it ease the work of the Ministry

1. Automated analysis of data and monitoring of LiFE activities
2. Digitisation of records
3. Offering a unified solution by centralizing data from various sources.

Uniqueness

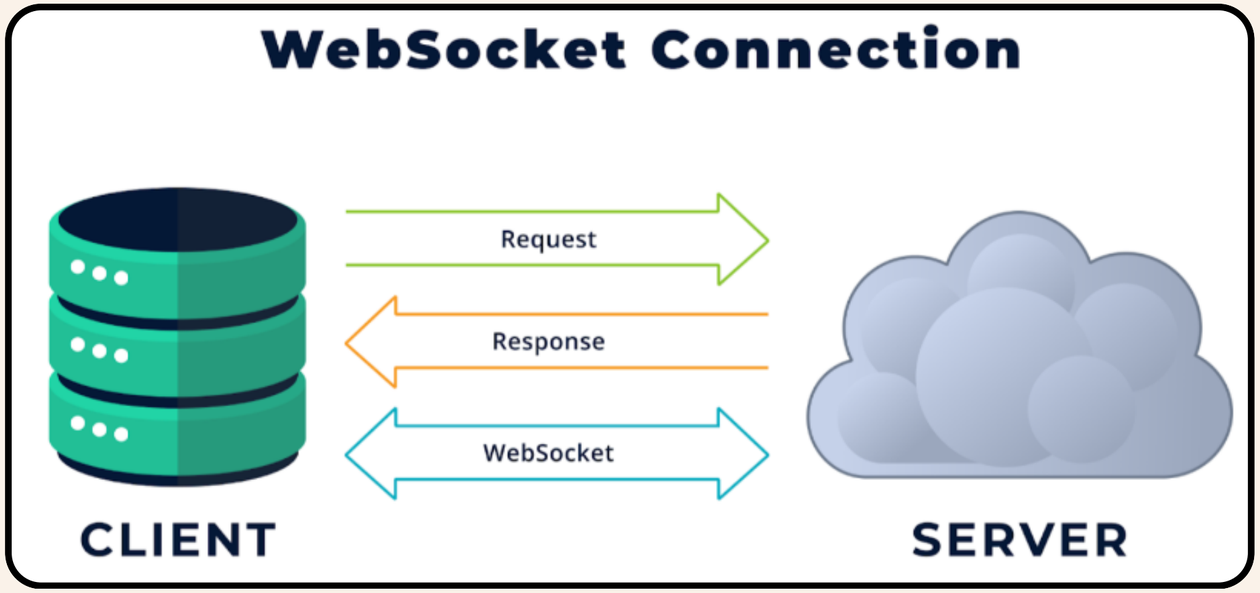
1. Automated Nudge Classification and Indicator selection
2. User Friendly interface
3. A model capable of handling multiple languages, including regional dialects for social media analysis
4. Use us Set-Fit LLM : few shot text classification while being 1600 times smaller than GPT and BERT

Our software for automating selection and success of indicators along with promotion of environmentally friendly public practices is a great push towards our **Prime Minister's vision of Digital India and Meeting Global Environmental Targets**

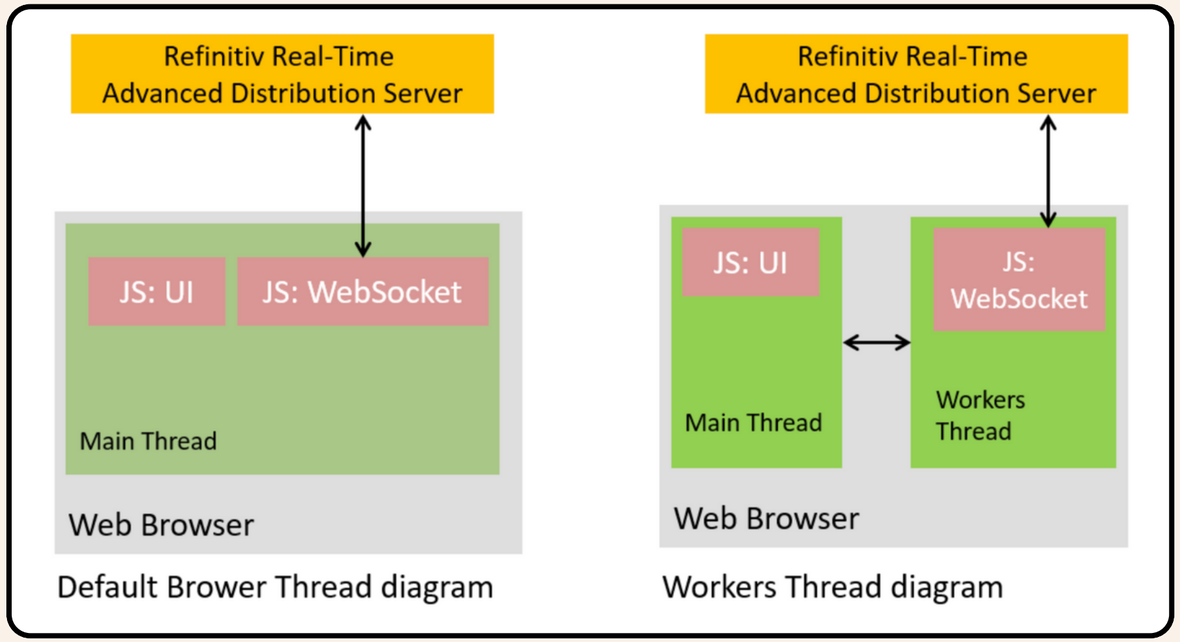
AREAS OF FOCUS

1. REAL TIME DATA COLLECTION
2. USER INDEPENDENT
3. LIST OF MEASURABLE ACTIVITY, PARAMETERS OR INDICATORS
4. FEASIBILITY OF THE DATA
5. SECURITY OF DATA
6. INNOVATION

WebSockets: The Engine of Real-time Data

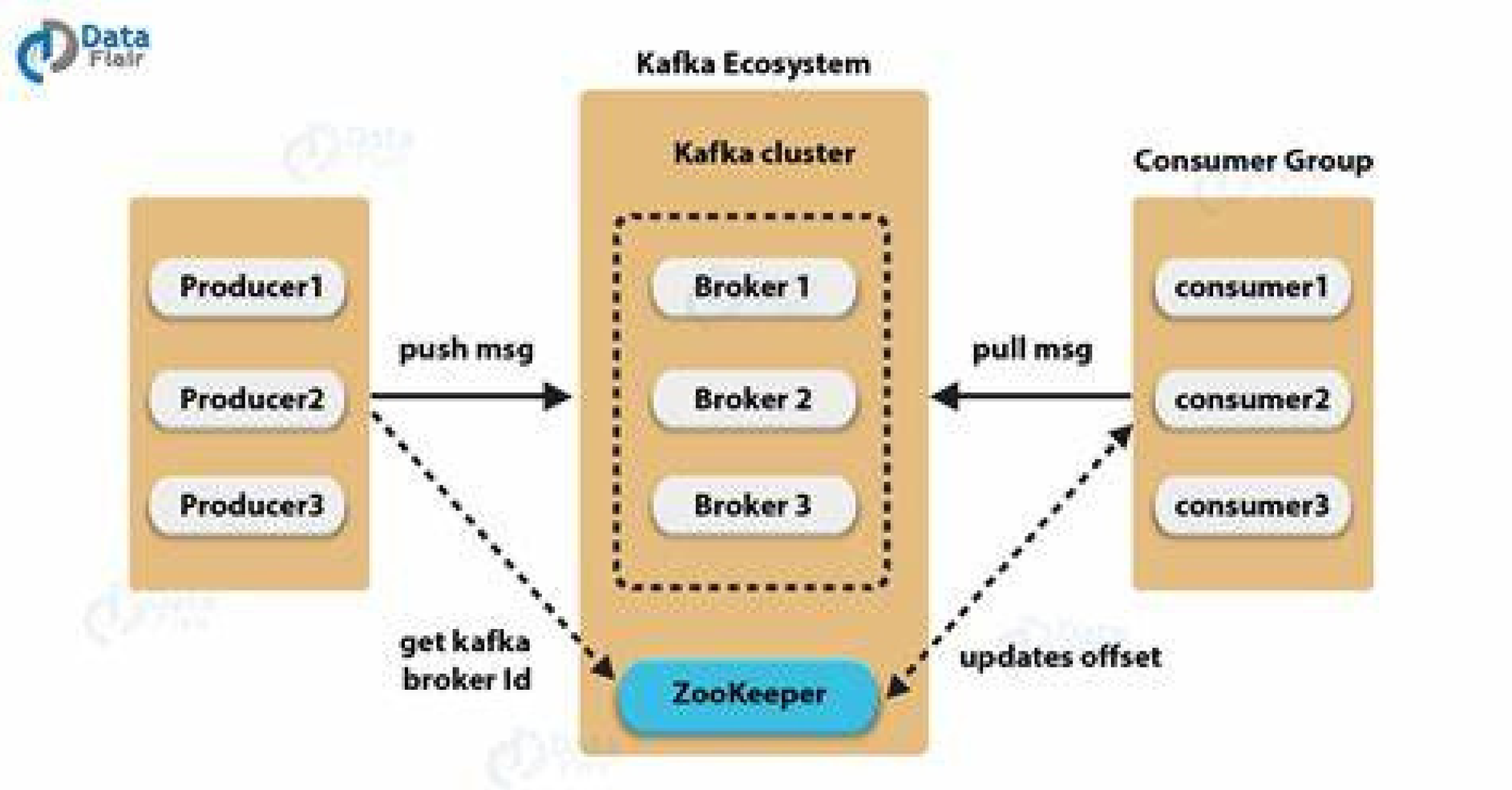


WebSocket Protocol Enables real-time, bidirectional communication between web browsers and servers for instant updates and low-latency interactions.



REAL TIME DATA STREAMING

APACHE KAFKA



AUTOMATED AND INDEPENDENT USER DATA COLLECTION

Smart meters and sensors are employed to collect data, which is then plotted and analyzed to gauge the effectiveness of the behavioral nudge.

FEASIBILITY

Open Data Oasis,We tap into a vast ocean of free public data from government websites, open initiatives

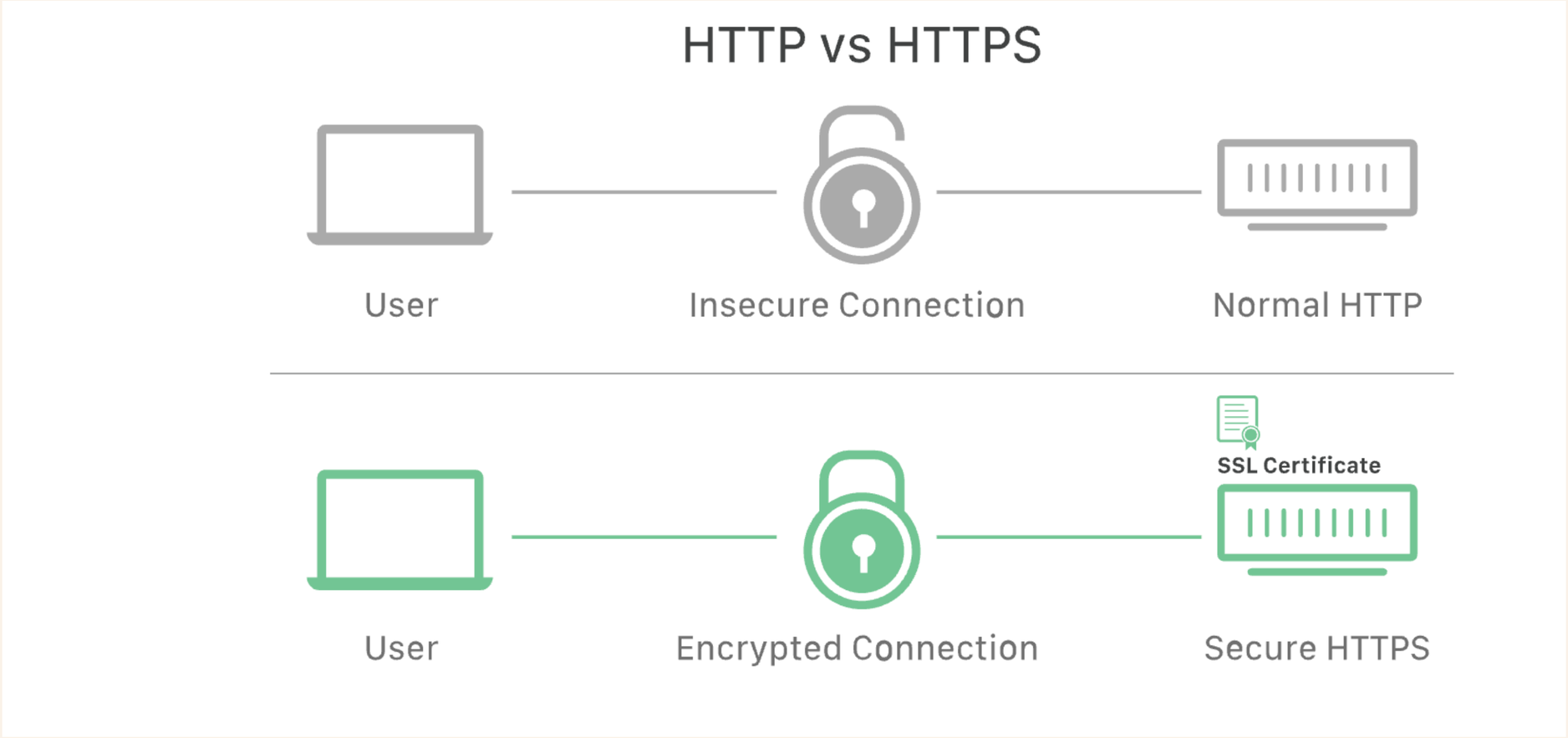
Our approach harnesses the power of existing smartphones, sensors, and infrastructure, saving you valuable resources

INNOVATION

- **Automated** Nudge Classification and Indicator selection.
- A model capable of handling **multiple languages**, including regional dialects for social media analysis.
- Use us **Set-Fit LLM** : few shot text classification while being **1600 times smaller than GPT and BERT**

SECURITY

Secure Sockets Layer (SSL)



SMART INDIA HACKATHON 2023

THANK YOU