

THE FINAL. HURDLE



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OVERVIEW

- Sri Lankan businesses operate in an environment where national events, public sentiment, and external disruptions can influence day-to-day decisions. To support better adaptability and strategic planning, finalists are tasked with designing a real-time situational awareness platform that provides businesses with actionable, data-driven insights about what is happening across the country.
- Your solution should enable business decision-makers to quickly understand emerging developments and respond effectively.

Teams are required to build a system that collects, processes, and interprets real-time signals relevant to Sri Lanka's socio-economic and operational environment.

PROBLEM DESCRIPTION

Teams are required to build a system that collects, processes, and interprets real-time signals relevant to Sri Lanka's socio-economic and operational environment.

The platform could gather publicly available data from a variety of sources, such as:

- Local news websites
- Public social media indicators (e.g., trending discussions, emerging concerns)
- Open datasets or event streams relevant to Sri Lanka

EXPECTED OUTPUT

Teams are required to build a system that collects, processes, and interprets real-time signals relevant to Sri Lanka's socio-economic and operational environment.

National Activity indicators

Major events, developments, disruptions, or topics gaining traction in the public space.

Operational Environment Indicators

Abstracted signals that reflect conditions which may affect business operations or customer behavior.

Risk & Opportunity Insights

Early warnings or emerging positive trends inferred from aggregated, real-time data.

TECHNICAL GUIDANCE

Solutions do not need to focus heavily on NLP; teams may prioritize pattern detection, signal scoring, clustering, temporal analysis, or other non-text-dependent methods.

Teams have full flexibility regarding:

Choice of machine learning, analytics, or heuristic methods

Web crawling, scraping, or API-based data acquisition strategies

Data fusion, event detection, trend analysis, or anomaly detection techniques

Visualization and communication of insights

EVALUATION CRITERIA

Relevance & Insight Quality	How effectively the system captures meaningful country-level signals for businesses
Technical Soundness	Data collection logic, processing pipeline, model selection, and reasoning
Real-Time Design Thinking	Ability to architect a solution that could operate continuously or near real time
Interpretability & Communication	Clarity in how insights are derived and presented
Innovation	Creativity in identifying useful signals, features, or indicators

DELIVERABLES

A functional prototype or well-structured demonstration video

A GitHub repository with organized code and documentation

slide deck to be presented during the live pitching on 6th & 7th Dec

Tailoring the system to Sri Lanka's context will position finalists to produce more accurate, actionable results - and ultimately enhance their chances of winning the competition.



YOU HAVE 1 WEEK



GOOD LUCK!!