



Project / Process Presentation

Indigenous Tech Circle
Sep 18 2024





Indigenous TECH CIRCLE

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The Community For Indigenous Tech Professionals

Tech Circle is dedicated to expanding the Indigenous Tech Ecosystem and creating equitable outcomes for Indigenous Peoples through technology.

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230+

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100%

YoY Growth Rate

45+

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1000+

Follower Count

Current Process & Stakeholder Engagement

- Collected initial requirements from stakeholder
- Scheduled weekly Zoom meetings with Ryan.



Ryan St Germaine

EIR AND INVESTOR

Ryan is a serial entrepreneur and marketplace expert with a focus on platforms that upskill and connect tech professionals with tech companies. Current roles include EIR, Investment Committee member & Advisor.



Challenges Identified

What problem are they trying to solve?

- Governments have mandates to represent Indigenous-led businesses better.
- Yet Indigenous-led businesses are struggling to win contracts due to lack of resources.
- Help Indigenous-led businesses navigate the procurement process and win more contracts by leveraging publicly available data

Our Strategic Approach

What is our proposed solution?

- A digital platform that matches procurement contracts with eligible Indigenous-led businesses.

This platform would connect procurement opportunities with Indigenous businesses that meet specific contract criteria. It aims to simplify the complex process of procurement for Indigenous businesses by automatically matching them with opportunities they are eligible for.

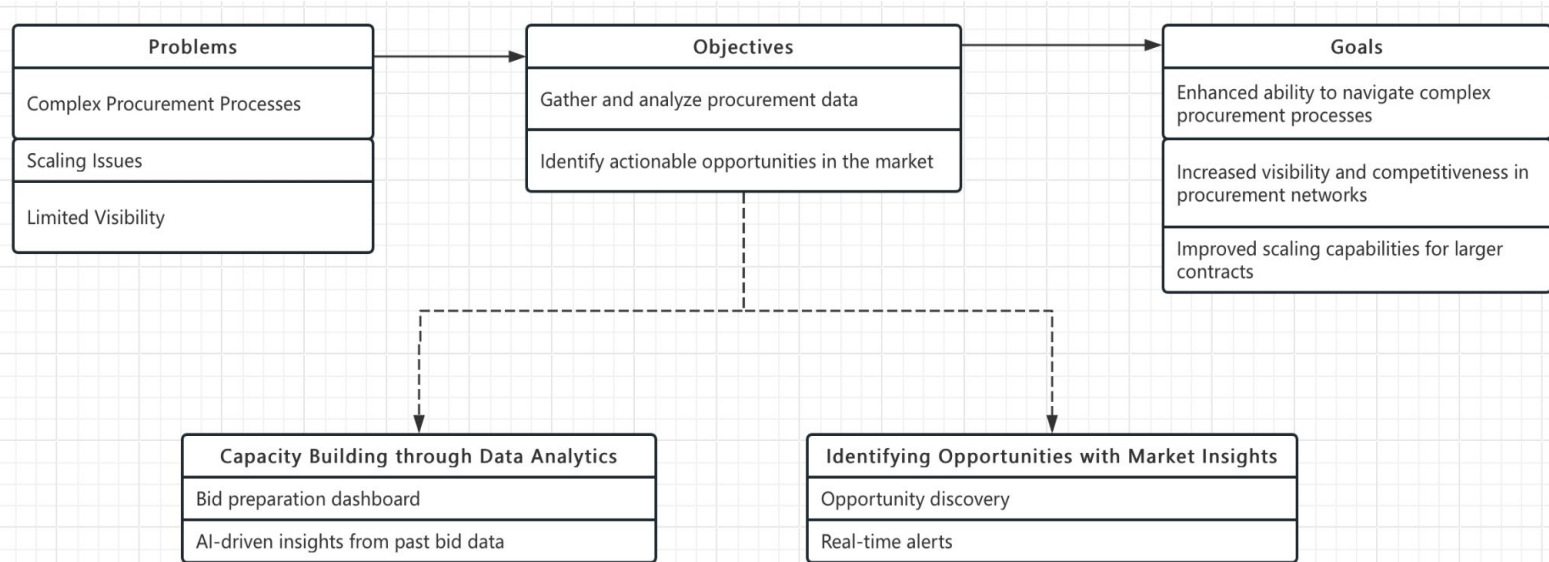
This solution addresses the challenges Indigenous businesses face with **limited visibility** and navigating **complex procurement processes**, as it simplifies contract discovery and ensures businesses are aware of the opportunities best suited for them.

- Provides insight through compiled analysis and visualizations to assist with decision-making.

This feature would focus on providing Indigenous businesses with clear, actionable insights based on the analysis of procurement data. Visualizing trends in procurement, identifying which sectors have the highest demand for Indigenous suppliers, and offering competitive benchmarks will help businesses make informed decisions.

This feature would enhance the **decision-making** process by giving Indigenous businesses a competitive edge through **market insights** and **predictive analytics** based on historical data, addressing the problem of **limited visibility** and ensuring better positioning in the procurement process.

Literature review



Literature review

- **Green and Sustainable Software Engineering - a Systematic Mapping Study**

This paper discusses how technological tools can address resource gaps in current technologies, which aligns with ITC's goal of using data scraping, visualization, normalization, and AI/ML to help Indigenous-led businesses win larger contracts. The framework in the article can guide Indigenous-led businesses in analyzing publicly available data, using technology to identify opportunities, and gaining a competitive edge in the procurement process.

- **We Need to Decarbonize Software**

This article explains how optimizing technological processes can improve efficiency, which directly relates to ITC's objective of helping Indigenous-led businesses better navigate procurement processes through data analysis and automation. By implementing similar process optimizations, Indigenous-led businesses can reduce resource waste and increase their chances of winning contracts despite limited resources.

Demonstrating Our Impact

What is our evaluation?

- Number of successful matches between ITC businesses and government/big-tech contracts
- Number of ITC businesses securing contracts through the platform
- Feedback from Ryan and ITC participants

Results and Insights

What we know so far?

- Federal government reserves a portion of contracts for Indigenous businesses, but other attributes in the contract dataset requires further clarification and exploration.
- ITC has diverse business areas but we have limited information on it.

Next Steps

- Discussion with stakeholders on which segments of data they are interested in
- Processing data on procurement contracts from Federal level & the private sector
- Determine metrics of “procurement-readiness” to assess ITC businesses
- Further refine the scope of our project with stakeholders