



# Srusti TechHack 1.0

## Pre Event Workshop

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### Problem Statement and Milestones



# Overview

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This hackathon combines the flexibility of Batoi Insight and the creativity of custom coding to empower participants to solve real-world problems in rural governance.

1

**Leverage Batoi Insight** exclusively to design surveys, analyze data, and generate reports

2

**Incorporate Custom Coding** to extend functionality and create advanced features.

3

**Build Full Portals from Scratch** using their preferred languages and frameworks while integrating with or without Batoi Insight

# Participant Pathways

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Teams may choose one of the following approaches

## **Insight-Only Approach**

- Use Batoi Insight to create surveys, analyze data, and generate reports.
- Focus on leveraging built-in features and custom scripts for analysis and reporting.

## **Hybrid Approach**

- Combine Batoi Insight with custom coding to enhance functionality.
- Examples: Using Python for data preprocessing or creating dashboards that pull insights from Batoi.

## **Full Build Approach**

- Develop a complete portal or application from scratch, integrating Batoi Insight optionally.
- Example: Building a grievance redressal portal or analytics dashboard using any language/framework.

# Comprehensive Problem Statements

Each Team can choose any one of the following problem statement

## Citizen Grievance Analytics Portal

Design a solution to collect, process, and analyze grievance data from rural Panchayats.

- Use Batoi Insight for survey creation and visualization.
- Develop advanced analytics features using Python.
- Build a complete portal integrating these functionalities.

## Rural Education Insights

Focus on analyzing data related to school performance, infrastructure, and student satisfaction.

- Leverage Batoi Insight for surveys and dashboards.
- Extend functionality using scripting for deeper analysis.
- Develop an interactive portal for real-time data updates and analytics.

## Agricultural Trends and Predictions

Analyze farmer data to identify challenges and predict crop yields.

- Use Batoi Insight to visualize trends.
- Create predictive models with Python and integrate results into a dashboard.
- Build a standalone application for farmers and policymakers.

## Healthcare Access Dashboard

Address healthcare accessibility issues in rural areas.

- Use Batoi Insight for survey creation and reporting.
- Develop custom scripts for resource allocation analysis
- Build a comprehensive portal for tracking and visualizing health data.