Hackathon: AI for Social Impact

1. Hackathon Phases:

Phase 1: Understanding the Problem (Research & Ideation)

- Teams will explore **key social impact challenges**, such as:
    - AI for **education accessibility** (e.g., personalized learning, language translation, AI tutors)
    - AI for **healthcare equity** (e.g., early disease detection, mental health support)
    - AI for **poverty reduction** (e.g., predicting food insecurity, job market trends)
    - AI for **human rights & inclusion** (e.g., detecting biased content, hate speech monitoring)
    - AI for **disaster relief & humanitarian aid** (e.g., AI-driven crisis response)
- Participants will research existing solutions and identify gaps.
- Each team must **formulate a problem statement** and submit a **brief idea proposal.**

Phase 2: Data Collection & Preprocessing

- Teams will collect or scrape publicly available **social impact data** (e.g., education reports, healthcare statistics, human rights violations, poverty indices).
- Teams should ensure **compliance with ethical data collection practices.**
- Basic **data cleaning and preprocessing** should be performed to make the dataset usable for AI models.
- The dataset must contain a **minimum of 1,000 data points** to ensure meaningful analysis.

Phase 3: Applying Baseline Models

- Teams will apply **basic AI/ML models** to analyze their data (e.g., predictive analytics for social issues, sentiment analysis for human rights, text classification for misinformation detection).
- The focus should be on **demonstrating proof-of-concept rather than high model accuracy.**
- Pre-trained models can be used if necessary.

Phase 4: Presentation & Evaluation

- Teams will present their findings and ideas in a **5-10 minute pitch.**
- The presentation should cover:
    - **Problem statement & significance**
    - **Data collection & preprocessing process**
    - **AI model & findings**

    - **How the solution contributes to social impact**
    - **Future improvements & scalability**
- Judges will evaluate based on **clarity, innovation, feasibility, and impact.**

2. Rules & Guidelines:

- **Originality:** The idea must be original and not a direct copy of an existing solution.
- **Data Ethics:** No private or sensitive data should be collected without consent.
- **Use of Pre-trained Models:** Allowed, but teams should clearly explain their role in the project.
- **Collaboration:** Teams must work independently; external mentorship is allowed but should be disclosed.
- **Presentation Format:** Each team must prepare a **slide deck (maximum 10 slides)** and a **live demonstration (if applicable).**

3. Judging Criteria:

Criterion	Description	Weight
Innovation	Uniqueness and creativity of the idea	30%
Impact	Potential effectiveness in solving a social issue	25%
Feasibility	Practicality and scalability of the solution	20%
Execution	Quality of data collection and AI application	15%
Presentation	Clarity and effectiveness of communication	10%