

# **Hackathon: AI for Online Safety**

## **1. Hackathon Phases:**

### **Phase 1: Understanding the Problem (Research & Ideation)**

- Teams will explore the challenges related to online safety (e.g., cyberbullying, misinformation, phishing, online harassment, privacy violations, etc.).
- 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 data relevant to their problem statement (e.g., social media posts, news articles, phishing emails, etc.).
- 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 1000 data points to ensure meaningful analysis.

### **Phase 3: Applying Baseline Models**

- Teams will apply basic AI/ML models to analyze their data (e.g., sentiment analysis, text classification, anomaly detection, etc.).
- 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 online safety
  - 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
<b>Innovation</b>	Uniqueness and creativity of the idea	30%
<b>Impact</b>	Potential effectiveness in improving online safety	25%
<b>Feasibility</b>	Practicality and scalability of the solution	20%
<b>Execution</b>	Quality of data collection and AI application	15%
<b>Presentation</b>	Clarity and effectiveness of communication	10%