AWS ImpactX Challenge
Conducted by Techfest, IIT-Bombay in Collaboration with AWS
Problem Statement

1. Challenge Overview:

The **AWS ImpactX - Generative AI Innovate & Build Challenge** invites student innovators and creators to design and build impactful, innovative solutions to real-world problems.

This is an open-ended challenge encouraging creative, practical, and original applications of Generative AI. We are looking for novel ideas that can address significant challenges or create new opportunities across any domain.

Participants will submit their ideas online. Top teams will be selected for an exclusive in-person prototyping round at Techfest 2025, where they will receive mentorship from AWS experts to build and refine their solutions.

2. The Problem: An Open Challenge

Your mission is to design an innovative solution leveraging Generative AI to solve a real-world problem.

Your solution can target any domain, including but **not limited** to:

- Healthcare & Well-being
- Education & Learning
- Climate & Sustainability
- Smart Mobility & Logistics
- Disaster Response
- Fintech & Digital Trust
- Social Impact & Accessibility
- Developer & Enterprise Tools
- Creative Industries
- Human-AI Collaboration

Phase 1: Online Idea Submission
To participate, you must submit a proposal that clearly communicates your idea and vision. Your submission must include the following three components:

A. Concept Deck (PDF Format, 5-6 Slides) This is the core of your proposal. This concise deck (5-6 slides max, excluding intro/outro slides) should visually and textually narrate your entire idea. It must be clear, compelling, and professional.

Your deck should effectively cover the following key areas:

- The Problem: A clear definition of the real-world problem and the users it affects.
- The Solution: Your proposed solution, its key features, and why it's a novel approach.
- The GenAI Core: An explanation of how Generative AI is essential to your solution's functionality and success.
- The Vision: The project's value proposition, its potential real-world impact, and a high-level view of its feasibility.

B. Video Pitch (Max 5 Minutes) This is your opportunity to bring your idea to life. Upload a video (via Drive link or YouTube link) that covers:

- Your team's motivation.
- A clear explanation of the problem's importance.
- A walkthrough of your proposed solution.

Note: Please ensure video link permissions are set to allow anyone with the link to view.

C. Team Technical Experience (Mandatory) To help us understand your team's ability to execute the idea, you should provide links to:

- Team member's Github account(s).
- Certificates of any technical achievements (Hackathons, Competitions, etc.).

Note:

- Ensure your GitHub profile and repositories are publicly accessible.
- The submitted GitHub repositories must belong to you. Any submission using someone else's repo will lead to disqualification.

*Submission link for round 1: SUBMIT

Phase 2: In-Person Prototyping (Offline at Techfest, IIT-Bombay)

Selected teams will be invited to Techfest 2025 for the in-person prototyping round.

- Build: Teams will build and refine their solutions using AWS tools and services.
- Mentor: AWS mentors and domain experts will provide technical and strategic guidance.
- Present: The challenge will conclude with final presentations and demos.

*Participants are recommended to build the prototype using kiro.dev (to
be instructed by the AWS experts during round 2)

Judging Criteria:

Submissions will be evaluated by a panel of experts based on the following criteria :

- Innovation & Originality: Is the idea novel and creative?
- GenAI Application: Is Generative AI used in a meaningful and core way?
- Impact & Value: Does the solution address a significant problem and offer a clear value proposition?
- Feasibility & Team Capability: Is the idea practical? Does the team (based on supporting materials) demonstrate the capability to build a prototype during Phase 2?
- Clarity: How clearly and effectively is the idea communicated in the deck and video?

Eligibility:

- Open **only to college students** (undergraduate or graduate) from any discipline.
- Teams can consist of 1 to 4 members. (All members must be active students).

Timeline:

- **Online Idea Submission Opens:** November 20, 2025
- **Online Submission Closes:** December 7, 2025
- **Phase 2 Invitations Sent:** December 10, 2025
- **In-Person Prototyping:** December 22, 2025 at Techfest, IIT Bombay

General Rules:

- Teams must register online at techfest.org, receiving a Team ID for future reference.
- Registration and Round 1 submissions are open until December 7, 2025.
- The organizers' and judges' decisions are final and binding. Techfest reserves the right to verify participant details.
- Techfest, IIT Bombay, is not responsible for late or lost entries.
- Solutions must be original and not protected by patents, copyrights, or publications.
- The latest information will be available on techfest.org, with registered participants notified of changes via email.
- Official communication will be through the Techfest email (devam@techfest.org).

Certificate Policy:

- The top three teams in Round 2 receive a Certificate of Excellence.
- Only those teams that are shortlisted for the finals and also give a final presentation about their work during Techfest 2024-25 would be awarded an e-Certificate of Participation.

Prize Money:

Prize money will be awarded to the top three teams (one from each theme) via NEFT, latest by May 2026. Winners must email the following to devam@techfest.org immediately after results:

Subject:

"ImpactX, [Team ID] – [Position]" (e.g., "ImpactX, SP-2309234 – 1st Position")

Body:

- Account Holder's Name
- Account Number
- Bank Name and Branch
- IFSC Code
- A photograph of the Bank Passbook as proof