AIxADB

4-8 NOV 2024 | 80 RR FINTECH HUB SINGAPORE

Harnessing the Power of Artificial Intelligence for Development

ADB
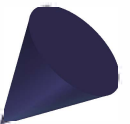
5ᵗʰ Digital x ADB 2024

PROGRAM OVERVIEW

47 Speakers from 14 Members

11 Regional Members
Australia, India, Indonesia, Japan, Korea, Malaysia, Philippines, Singapore, Taipei,China, Thailand, Viet Nam

3 Non-Regional Members
Germany, United Kingdom, United States of America

Affiliation

6	Government
3	Academia
18	Private Sector
5	Non-profit
3	International Organization
12	ADB

12 Topic Areas

AI Trends and Application, AI Infrastructure, Skills Development, AI Ethics, Education, Health, Social Protection, Private Sector Collaboration, Creative Economy, Institutional Innovation, Gender, Climate Change

AI Opportunities | Healthcare & Social Protection
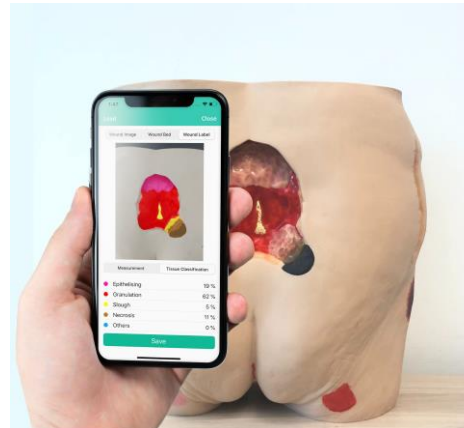
Medical image interpretation & fraud detection

Automatic medical **image interpretation**, providing **medical advisory** to doctors and detects any **fraud or overtreatment** which could trigger on-site investigation
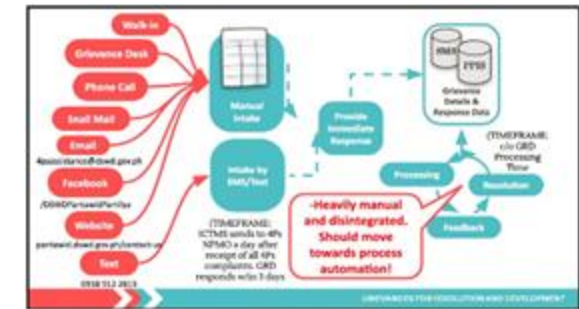
Source: HIRA

Wound imaging, assessment and monitoring

AI-enabled tool on mobile application will **automatically measure, assess, and monitor wounds** within a second.

Source: Tetsuyu

## Automatic Grievance Redress System in Philippines

Automated grievance handling and classification, offering **personalized support and audio-to-text filing** via mobile phone for accessible use by illiterate individuals.

Source: Department of Social Welfare and Development of Philippines, ADB

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AI Opportunities | Education

Automated creation of lesson plans and questions
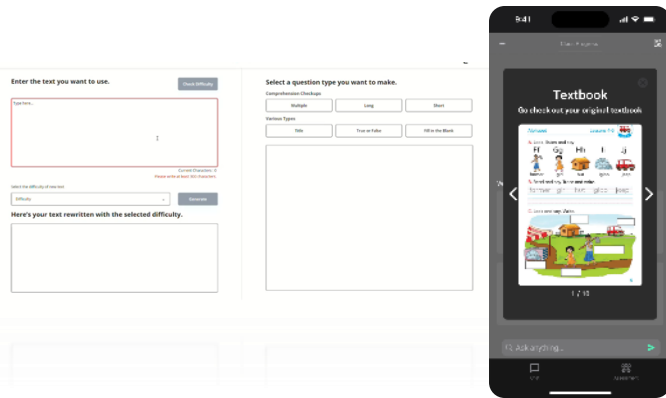
To address the shortage of skilled teachers and teaching materials, AI assistant helps **create customized lesson plans and assessment questions** tailored for Bangladesh.

Source: ADB, Directorate of Primary Education of Bangladesh

Learn through real-life roleplay

Roleplay real-life situations with **a virtual teacher** to improve your speaking & listening.

Source: HolonIQ

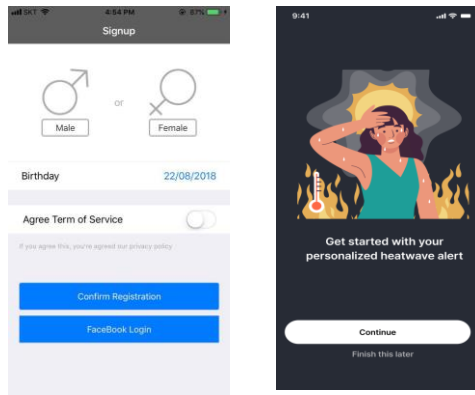## Create children's books in Mali.

Uses ChatGPT to create children's books with **stories and illustrations** that are true to the lives of Malians, along with supplementary **teaching guides**.

Source: RobotsMali

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AI Opportunities | Climate Change

Gender-responsive early warning system (EWS)

Collect data and train the AI model on aspects where women feel discomfort, in order to create **a gender-responsive early warning system (EWS)** that reflects these risks.

Source: Rainbird, ADB

Satellite Image Analytics for Disaster Management

Water Ecology — Floods & Landslide

Crop Yield — Drought & Fires
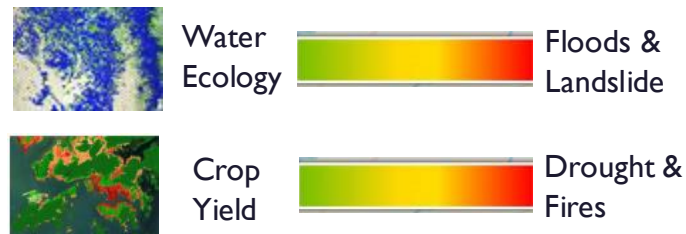
Uses AI for **disaster risk scoring** based on both satellite and geotechnical data, along with high-risk areas data.

Source: Aboitiz Data Innovation

Plant image recognition and data collection

Uses AI to gain a deeper understanding of plant and crop physiology, then using these insights to **build a more sustainable food production system.**

Source: Google

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AI Challenges

- **Limited Data and Resources**
  - Absence of enough information in data
  - High cost of initial development

- **Integration Difficulty**
  - Difficulty in integrating data from different sectors
  - Difficulty in integration with existing systems

- **Limited Explainability**
  - Black box problem

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