Annex A – Details on top eight projects

1. AAAMedMaster – The GlucoGardener

Team AAAMedMaster's solution is about GlucoGardener, an AI-powered application that connects Type 2 diabetes patients with clinicians through personalised, continuous care support between clinic visits. The platform integrates voice, text, and image inputs to provide nutritional analysis, lifestyle guidance, medication reminders, and emotional support tailored to patients' daily needs.

The solution includes AI-driven food recognition for dietary tracking, a personalised task system with context-aware health prompts, and a two-tier alert mechanism that escalates abnormal readings to caregivers and clinicians when necessary. Clinicians are supported through automated weekly summaries of glucose trends, adherence patterns, and behavioural insights, enabling more proactive intervention and monitoring.

The judges recognised the team's comprehensive multimodal feature set, strong local language support, and holistic approach to patient engagement through personalised care, gamification, and clinician connectivity. The solution stood out for its potential to strengthen continuity of diabetes management outside clinical settings while encouraging more active patient participation in self-care.

Models used: SEA-LION and MERaLiON

2. ASSURE – AssureCare Suite

Team ASSURE's solution is about AssureCare Suite, an AI-enabled home monitoring platform designed to support elderly heart patients during recovery between clinical visits, while providing caregivers with greater visibility into patients' day-to-day health status. The solution combines proactive monitoring, structured alerts, and shared care coordination to enable earlier identification of potential risk signals and more timely intervention.

A key component of the platform is AssureBot, a voice-enabled AI companion that conducts daily check-ins with patients, captures symptom updates and vital readings through natural speech interaction, and provides medication and routine care reminders. This is complemented by a Caregiver Portal, which offers a centralised view of patient status, trend summaries, and escalation alerts to support more coordinated oversight by family members and healthcare providers.

The judges recognised the team's comprehensive approach to supporting home-based cardiac recovery, strong multi-user workflow design, and effective demonstrations from both patient and caregiver perspectives. The solution stood out for its practical use of voice-enabled interaction to improve accessibility for elderly patients and strengthen continuity of care outside clinical settings.

Models used: SEA-LION and MERaLiON

3. Jet2Holiday – SpineAI

Team Jet2Holiday's solution is about an AI-powered visual posture monitoring tool designed to detect sitting positions that may contribute to back pain and musculoskeletal risk in workplace environments. Using a standard webcam, the system applies computer vision techniques to identify key anatomical landmarks on the upper body and calculate biomechanical angles to assess posture quality in real time.

The solution provides continuous posture monitoring through a dashboard that displays risk scores, trend summaries, and personalised recommendations, enabling users to improve sitting behaviour proactively. Built on ergonomic and clinical research standards, the model

uses six torso key points to classify posture deviations and trigger alerts when sustained risk patterns are detected.

The judges recognised the team's strong literature-supported methodology, clear domain grounding in posture biomechanics, and practical zero-friction webcam-based monitoring approach. The solution stood out for its structured analytical framework and potential to support preventive workplace health through continuous posture awareness.

Models used: SEA-LION

4. Med-SEAL – Med-SEAL
Team Med-SEAL's solution is about an AI-powered diagnostic support platform designed to streamline clinical workflows by automating preliminary reporting for clinicians while providing patients with clearer, culturally relevant explanations of their medical results. The system integrates multiple specialised AI agents to support medication adherence, lifestyle guidance, risk monitoring, and pre-visit clinical summaries, enabling more proactive and coordinated care between patients and healthcare professionals.

Built on interoperable healthcare standards and multilingual capabilities aligned to the Southeast Asian context, Med-SEAL aims to transform patients from passive recipients of care into active participants in managing their health, while supporting clinicians with timely insights and decision support.

The judges recognised the team's strong technical system design, clear presentation, and effective demonstration of a clinician-supported patient engagement platform. The solution stood out for its comprehensive architecture and potential to enhance existing healthcare workflows through AI-enabled reporting and communication support.

Models used: SEA-LION and MERaLiON

5. NextCare – NextCare
Team NextCare's solution is about a non-contact, AI-powered voice screening tool for at-home cognitive monitoring that enables early detection of cognitive decline through a short 60-second speech recording. The solution applies a dual-engine AI approach that analyses both acoustic speech patterns and linguistic content to identify subtle early changes associated with cognitive impairment.

By enabling accessible, stress-free monitoring outside clinical settings, NextCare supports earlier risk awareness for patients, caregivers, and clinicians while reducing reliance on resource-intensive clinic-based assessments. Designed as a scalable screening tool rather than a diagnostic system, the platform has the potential to support population-level cognitive health monitoring and preventive intervention.

The judges recognised the team's innovative use of non-contact voice-based screening and clear presentation of the solution. The project stood out for its potential to enable earlier detection of cognitive decline through simple, home-based monitoring, although further validation and localisation considerations were noted as areas for future development.

Models used: MERaLiON

6. SHA-2 – RehabCoach
Team SHA-2's solution is about RehabCoach, an AI-powered rehabilitation companion designed to bridge the gap between clinic-based care and home recovery for post-surgery patients. The platform supports patients, clinicians, and caregivers through real-time exercise

form analysis, adherence tracking dashboards, and progress alerts that enable more coordinated and effective rehabilitation outside clinical settings.

RehabCoach uses computer vision to monitor exercise performance and detect early signs of fatigue, incorrect movement, or potential re-injury risks, while providing clinicians with visibility into patient recovery trends and caregivers with timely updates to support home-based care. The solution focuses specifically on rehabilitation workflows rather than general remote health monitoring, strengthening its clinical relevance and practical applicability.

The judges recognised the team’s clear clinical focus on rehabilitation, comprehensive multi-stakeholder design, and strong prototype demonstration. The solution stood out for effectively addressing the clinic-to-home recovery gap with a practical and well-integrated approach that supports safer and more consistent rehabilitation outcomes.

Models used: MERaLiON

7. SilverGait – SilverGait
Team SilverGait's solution is about a multi-modal, agentic AI system for longitudinal frailty detection, risk stratification, and personalised intervention for elderly adults in the community. The solution enables earlier identification of frailty through continuous monitoring using computer vision, wearable data, and validated clinical assessment scales.

SilverGait supports both seniors and healthcare professionals by providing structured frailty classification, tracking functional changes over time, and recommending targeted interventions across areas such as exercise, physical education, and sleep. The system integrates established clinical frameworks to ensure medically grounded assessment while improving consistency in screening across care settings.

The judges recognised the team's strong clinical grounding, comprehensive system design, and effective demonstration of a longitudinal approach to frailty detection and intervention. The solution stood out for its practical relevance to ageing populations and its potential to support proactive, community-based preventive care.

Models used: MERaLiON

8. Wait For A Name – VitalSense
Team Wait For A Name's solution is about VitalSense, a privacy-first, browser-based multimodal AI wellness assessment platform that enables users to complete a structured health screening in under five minutes using only a standard webcam, microphone, and self-reported vitals, without requiring a clinic visit.

The platform combines facial expression analysis, motion coordination tests, voice feature analysis, and physiological indicators to generate a structured AI health report that supports early risk awareness across multiple population groups, including seniors, chronic disease patients, working adults, and youth. Designed with on-device processing and anonymised data transmission, the solution emphasises accessibility, scalability, and privacy in remote wellness monitoring.

The judges recognised the team's clear assessment workflow, strong presentation, and comprehensive multimodal approach to rapid health screening. The solution demonstrated the potential to improve access to early health insights outside traditional clinical settings through a fast and accessible screening tool.

Models used: SEA-LION