INTELEC 2023
INNOVATIONS IN TEACHING & LEARNING COMPETITION

VIHAB
VIRTUAL INTELLIGENT HEALTH HUB

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Abstract

Virtual Intelligent Health Hub (VIHAB) is a Virtual Reality app that utilized the VR and AI technology to facilitate learning in health education. There are seven functions of VIHAB: (i) Virtual Hospital, (ii) Virtual Laboratory, (iii) Virtual Classroom, (iv) Virtual Fitness Center, (v) Virtual Library, (vi) Health Avatars and (vii) Health Companion.

The main objectives are to solve issues with lack of access to health education learning materials, low engagement between health education trainers and the students, and problems related to medical science training. The product has been successfully marketed on multiple platforms such as VRchat, mobile app, Oculus Quest and Steam VR. Three AR books from the VR library also have been published and are ready to be used.
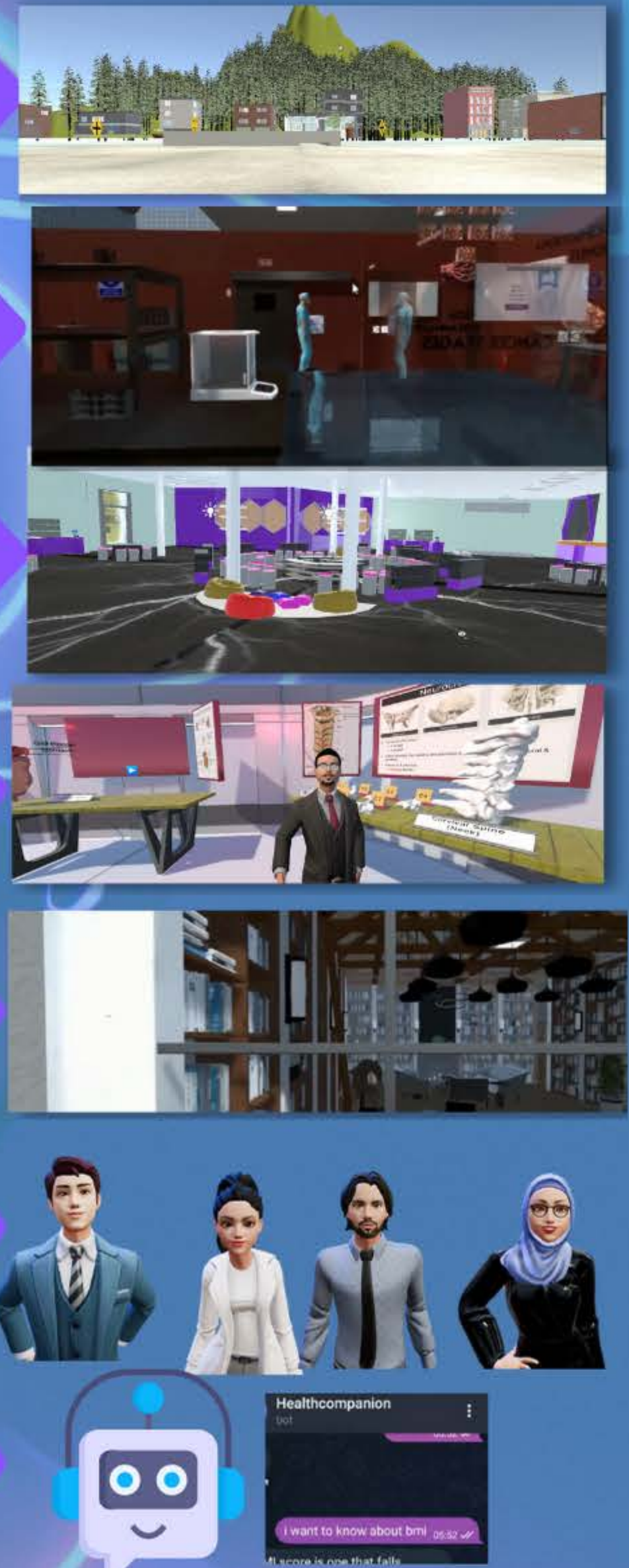
Objectives

- Provide immersive learning experience for health education
- Interactive platform for students and educators
- State-of-the-art technology accessible around the world

Platforms

AR

VR

App

Functions

1. VIRTUAL HOSPITAL
2. VIRTUAL LAB
3. VIRTUAL GALLERY
4. VIRTUAL CLASSROOM
5. VIRTUAL LIBRARY
6. HEALTH AVATARS
7. HEALTH COMPANION

Grants

FRGS
RM94000

International
RM 20660

USM
RM22700

unesco
Malaysian National Commission

Awards

MTE 2023
Malaysia Technology Expo™
A Leading Global Innovation and Technology Event

INTERNATIONAL EUREKA INNOVATION EXHIBITION
i-EIE 2022
INNOVATION TOWARDS ZERO CARBON

Commercialization

VRChat   Spices Project   VR-Rent   AR Book

INTERNAL FRAMEWORK OF THE HUMAN BODY

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Nur Effatul Fairuz Zainal Apandi

Ummie Haniffah Ariffin

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