

EvoGem

Bridging Vision to Innovation,
One Byte at a Time

Team Members: Homan

[Click to Agenda](#)



AGENDA

01

Problem/Solution

02

Use Case

03

Business Slide

04

Demo Slides

[Click to Agenda](#)





PROBLEM

- **User:** Anyone (Kids, Adults, Teenagers)
- **Profession:** Kids, Students, Journalists, Teachers

SOLUTION

- **EvoGem:** A cutting-edge IoT device integrating NodeMCU ESP8266 and OLED.
- **Purpose:** To bring advanced vision capabilities to robotics using Gemini Pro Vision.
- **Scope:** Bridging the gap between AI vision and practical IoT applications.

[Click to Agenda](#)



Table of Features

Our Vision

My Vision is to **EXTEND** and integrate ground-breaking features to achieve the best IoT solution including:

- Sustainability
- Companion Visual Assistance
- Companion Robot for ANYONE!

Suitable for People having no tech background & and developers to use.

to Team & Github



1	Real-time image and video analysis with AI-driven insights
2	Facial Expression/ Motion Recognition
3	Companion Visual Assistant Robot
4	Mental Health & Sustainability Robot Solution

Revolutionary Device to help people with disabilities, kids , mental health & etc.

You ask AI what would be the best song for my feelings , ai suggests and plays based on factors



Business Scope & Use Case

- Smart Home Automation
- Industrial Monitoring
- Healthcare Assistants
- Inventory management
- Sign Language Translation
- Educational Tools

[Click to Agenda](#)





Business Plan

[Click to Agenda](#)



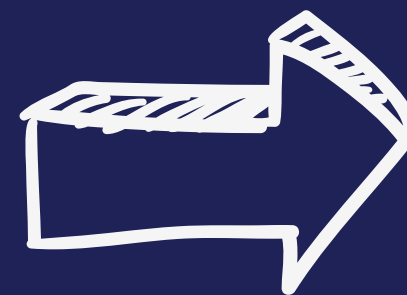
Business Model

Freemium Business Model: starting with a *basic tier* and a *paid tier* with premium features.

Market Size for Competition

- **The largest market for AI-powered robotics interfaces like EvoGem:** North America, followed by Europe and Asia-Pacific .
- **The key players:** AIVA Technologies, Jukedeck, and Melodrive
- **AI-powered Music Generators Market:** still in early stages was evaluated at **\$2.8B** in **2020**, expected to grow at a CAGR of **25%** from 2021 to 2028

Niche Market Strategy



- Affordable AI powered Robots
- Students, Journalists
- Schools
- Robotics Solution for People with Disabilities.

Music Mood Demo V0.1

[Back to Agenda](#)



Technologies Used: VertexAI, Google Cloud Gemini Pro, Gemini Pro Vision (Weaviate
Soon ...)

My Current Demo for this hackathon

#Upload Image/Video through
Webcam/Upload Button

#Generates an Answer

#Interfaces through NodeMcu-ESP8266 and
0.96 OLED display

