

Platform Overview

[25] MEDIAPLAYGROUND (LEARNHUB) - A comprehensive educational platform integrating course materials, AI assistance, and interactive gaming.

Core Features Implementation

Gaming and Interactive Elements

[26] Games Implementation (WebGL and JavaScript). Available at: <https://youtu.be/M1eZIE4BeKc>

AI Integration Demonstrations

[27] AI Chatbot Integration with Vertex AI. Available at: <https://youtu.be/nWoRsoq6mM8>

[28] AI Chatbot Integration with Vertex AI (Extended). Available at: <https://youtu.be/vikfZL68eGg>

[29] User Submit Comment System. Available at: <https://youtu.be/7o51E4ykskY>

[30] AI Chatbot Integration with DialogFlow. Available at: https://youtu.be/8AvnYcDb6_Y

AI Feature Implementations

[31] Learn Hub Horizon AI. Available at: <https://youtu.be/wenlelrgYGk>

[32] Chat with Me AI. Available at: <https://youtu.be/GoZRxd5tXo>

[33] AI Image Generator. Available at: <https://youtu.be/U0olaBMWMgY>

[34] AI Image Recognition (DOG | CAT). Available at: <https://youtu.be/TwQYeJWfwSc>

[35] Text-to-Speech AI. Available at: <https://youtu.be/Vsye63JksDg>

[36] Audio-to-Text Converter AI. Available at: <https://youtu.be/PaAzHL1RH-c>

[37] AI Question Answering. Available at: <https://youtu.be/P9ZNGkQpbnY>

[38] Text Story Generator AI. Available at: <https://youtu.be/n3V0diPZ3Ps>

User Management and Form Handling

[39] User Signup Pages PHP XAMPP. Available at: <https://youtu.be/xggcdJUZ3Pg>

[40] HTML page handles form submissions. Available at: https://youtu.be/KYB_Ys4GuE4

Platform Documentation and Overviews

[41] LearnHub: Your Comprehensive Learning Companion. Available at: <https://youtu.be/DFKOYv7JsDg>

[42] MEDIAPLAYGROUND Part 1: Revolutionary AI-Powered Educational Platform with Arduino Integration. Available at: <https://youtu.be/-W4hxb9gPPY>

Course Resources and Materials

[43] Course Video Playlists. Available at: <https://www.youtube.com/@HNK2005/playlists>

[44] Course Notes and Textbooks (Google Drive). Available at:
<https://drive.google.com/drive/folders/19d3vSlenJ3IXxAAAsX4hTnYcpg7NGXsAj>

[45] TikTok Educational Content. Available at: <https://www.tiktok.com/@codingfever>

[46] Project Source Code Repository. Available at: <https://github.com/HorizonHnk>

Additional Resources

[42] Complete MEDIAPLAYGROUND (LEARNHUB) Playlist. Available at:
<https://www.youtube.com/playlist?list=PLrZbkNpNVSwyUjXziLpJm7Ptp7gxrBGRn>

The references presented in this section document MEDIAPLAYGROUND's comprehensive integration of modern educational technologies, encompassing course materials, AI-driven assistance, interactive gaming, and SMTP-based communication channels. These materials validate the platform's three core components: a technical course platform leveraging YouTube and Google Drive resources, an AI-powered educational toolkit, and an engaging gaming system. The documentation demonstrates how the platform successfully addresses common online education gaps through personalized assistance, gamified learning, and real-time support features, while providing concrete evidence of implementations through video demonstrations, source code repositories, and technical documentation. This collection serves both as validation of the platform's capabilities and as a roadmap for future development, highlighting MEDIAPLAYGROUND's role in creating an effective and engaging educational experience.