

## **The Virtual Exploration of Cultural, Architectural and Water Engineering Technology in Ancient Sigiriya with Metaverse.**

### **Project Objectives:**

- 1.** Survey on Sigiriya.
  - 2.** Design the water garden environment of Ancient Sigiriya.
  - 3.** Develop the water engineering technology behind the water gardens in ancient Sigiriya.
  - 4.** Create the cultural and architectural environment of ancient Sigiriya using "MetaHuman."
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- This project will explore the cultural, architectural and water engineering technology of ancient Sigiriya using Metaverse technology.
  - According to the project objectives, first will create the physical environment of water gardens in ancient Sigiriya.
  - Then design the water engineering system to demonstrate the water engineering technology of the water gardens.
  - Create the cultural and architectural environment of ancient Sigiriya using MetaHman.