

Raghunendra Kanoongo

19100BTCSEMA05493

Q.1 ~~ARKIT~~. What is AR-kit & its uses?

Ans- ARKIT (Apple Kit) is apple's augmented reality (AR) developer platform for iOS mobile devices.

ARKIT allows developers to build high detail AR experiences for IPAD & IPHONES. animated 3D virtual text, objects & characters added to them.

Uses

- Garage Reinforcement.
- Volumetric Capture.
- Virtual Pets.
- Finding your friends.
- Virtuals forming party.
- Mobile game. (Pokemon go).

Q.2. Define the uses of SpriteKit, & RealityKit.

Ans. SpriteKit is a general-purpose framework for drawing shapes, particles, text, images & videos in two dimensions. It leverages Metal to achieve high-performance rendering, while offering a simple programming interface to make it easy to create games & other graphics-intensive ~~visual~~ apps.

Add high-performance 2D content with smooth animations to your app, or create a game with a high-level set of 2D game-based tools.



Reality kit:-

Use the RealityKit framework to implement high performance 3D simulation & rendering. RealityKit leverages info. provided by the ARKit to seamlessly integrate virtual objects into the real world.

- Import fully formed assets, including sophisticated compression.
- Place audio sources in the environment.
- Animate object, both manually & with physics simulation.
- Synchronize across devices.