Byte Quest

Department of CSE

VIRTUAL REALITY

CHROMIUM BROWSER ON XBOX

SMART FARMING(IOT)

POLY NETWORKS

Department Vision

To be a center for academic excellence in the field of Computer Science and Engineering education to enable graduates to be ethical and competent professionals.

Department Mission

To enable students to develop logic and problem solving approach that will help build their careers in the innovative field of computing and provide creative solutions for the benefit of society.

FACULTY COORDINATORS

S. KOMAL KAUR   (ASST. PROFESSOR)
T. NISHITHA   (ASST. PROFESSOR)

STUDENT COORDINATORS

4TH YEAR

K. ANISHA(CSE-B)
ABHINAV (CSE-A)

3RD YEAR

AKASH(CSE-C)
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VIRTUAL REALITY

Virtual Reality (VR) is a computer-generated environment with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings.

This environment is perceived through a device known as a Virtual Reality headset or helmet. VR allows us to immerse ourselves in video games as if we were one of the characters,learn how to perform heart surgery or improve the quality of sports training to maximise performance. Although this may seem extremely futuristic, its origins are not as recent as we might think. In fact, many people consider that one of the first Virtual Reality devices was called Sensorama, a machine with a built-in seat that played 3D movies, gave off odours and generated vibrations to make the experience as vivid as possible. The invention dates back as far as the mid-1950s. Subsequent technological and software developments over the following years brought with them a progressive evolution both in devices and in interface design.
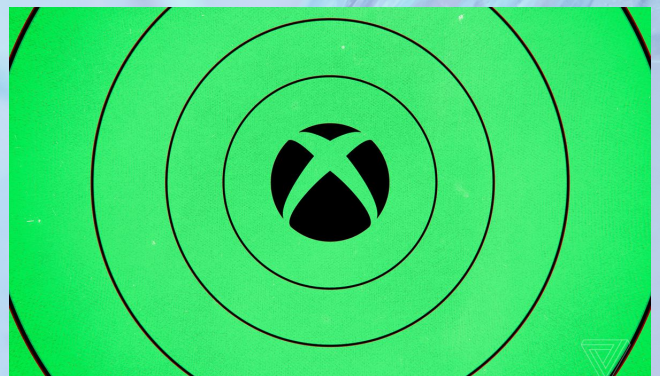
CHROMIUM BROWSER ON XBOX

Microsoft has started publicly testing its new Edge Chromium-powered browser on Xbox consoles. Xbox testers in the Alpha Skip-Ahead group can now access the new Microsoft Edge on Xbox One or Xbox Series S / X consoles.

While full mouse and keyboard support is still missing, the browser works as you'd expect with an Xbox controller, albeit a little buggy in this initial test version.

A Chromium browser on Xbox is a boost for those wanting to access websites through their console. Edge will also now provide access to Google's Stadia streaming service, thanks to the improved compatibility support with Chromium. It should also improve compatibility with browser-based games, and services like Skype or Discord through the web.

This early test version appears to include the same sync engine used across Edge, with support for extensions, vertical tabs, Collections, and most Edge desktop features.

POLY NETWORKS

Poly Network, a so-called decentralized finance or "DeFi" project, was hit with a major attack last week which saw the hacker, or hackers, make off with more than $600 million worth of tokens. Poly Network lets users swap tokens from one digital ledger to another. Someone exploited a flaw in Poly Network's code which allowed them to transfer the assets to their own crypto wallets.

Poly Network has pleaded with the hacker, who it is calling "Mr. White Hat," to provide the password — known as a "private key" — necessary to retrieve the money.

The hacker initially turned down the bounty offer. However, in a message embedded in a digital currency transaction Monday, the hacker said "I am considering taking the bounty as a bonus for public hackers if they can hack the Poly Network."

Poly Network said Tuesday that it hoped to implement a "significant system upgrade" to prevent such an attack from happening again in future, but that it couldn't do so until all the remaining assets are returned.

"We fully respect Mr. White Hat's thoughts, and to express our gratitude, we will still transfer this $500,000 bounty to a wallet address approved by Mr. White Hat for him to use it at his own discretion for the cause of cybersecurity and supporting more projects and individuals."
Poly Network said it "has no intention of holding Mr. White Hat legally responsible" for the hack.

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SMART FARMING(IoT)

In this article, we are going to see the advantages of IoT Smart Farming. Irrigation monitoring and control systems help to optimize water requirements and irrigation schedules. Be it deficit irrigation or water conservation, accurate soil moisture measurement leads to better crop production and quality.

There are two basic types of control for smart irrigation systems, weather-based and soil-based, each varying in its technical method of sensing and supplying information. A weather station answer for farmers can give an exact, constant, continuous account of temperature, relative dampness, wind, downpour, sun-powered radiation, and considerably more data. The analytical features like sickness records, degree days, chill parts, and wet bulb can be utilized for crop protection. This system combined with an alerting module can advise farmers of hazardous climate conditions. The real-time date is seen through web empowered PC, tablet or smartphone.

The main Advantages of IoT in Smart Farming are:
• Maintains the crop quality.
• Increases the productivity.
• Reduces the water consumption.
• Requires smaller water resources.

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