



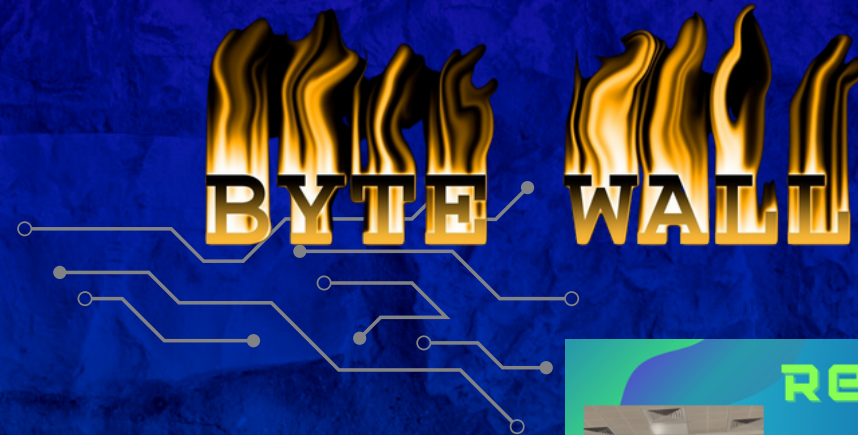
Vidyavardhini's college of engineering and technology

Department of computer engineering

TECHNOLOGIES UNDER DARQ

In today's generation the technologies are playing the most important role at different positions and at different levels. DARQ is one of the technologies from them. A modern group of powerful, emerging technologies are forming futuristic innovation and fresh digital transformations. These technologies enable businesses to provide new consumer demands and to set new customer expectations. Specifically, the technologies are known as DARQ, which stands for distributed ledger technology, artificial intelligence, extended reality and quantum computing. Over approximately 90% of enterprises have done experiments on DARQ technologies. Many expect for the resources to become challenging assets and business differentiators.

REFRESHER COURSE



WEB 3.0

THE WEB 3.0 ECONOMY

Metaverse is the next step in the development and creation of the internet. The term was coined in 1992 in Neal Stephenson's novel Snow Crash. The concept of the metaverse states that it was a digital universe in which everyone will be able to access it via augmented or virtual reality. Previously it was associated with sci-fi, slowly the metaverse is becoming a business buzzword many tech giants such as Facebook are now investing billions in infrastructure and in the industry for attracting tech investors who are looking to turn that fiction into reality. Facebook has recently renamed itself "Meta" and has labeled the metaverse as the "next chapter" of the internet revolution.

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TECHNOLOGIES IN JWST

The James Webb Space Telescope (JWST) will have a unique and profound role in transforming our understanding of astrophysics and the origins of galaxies, stars, and planetary systems. To do this, and build on the successes of Hubble and Spitzer, it has invested in innovative and powerful new technologies ranging from optics to detectors to thermal control systems. JWST has made an early and significant investment in its technologies, and as a result, all are on schedule to be fully demonstrated during 2006. The James Webb Space Telescope (JWST) is a space telescope designed primarily to conduct infrared astronomy. As the largest optical telescope in space, its high infrared resolution and sensitivity allow it to view objects too early, distant, or faint for the Hubble Space Telescope.

PLACEMENTS

REFRESHER COURSE

BLOCKCHAIN, CRYPTOCURRENCY & DAPP

Money evolved from a barter system to paper money and internet banking. This transaction technique has now evolved to cryptocurrency. Cryptocurrency is like an umbrella name for many currencies that are like bitcoin, which has been discussed further in the article. Blockchain came in as a technology to make a peer-to-peer networking solution that sits on top of the internet and makes a secure connection between sender and receiver. It was introduced as a part of the proposal of Bitcoin, a virtual currency that skipped the need for a central authority for issuing materialistic money. When blockchain was introduced, people weren't aware of how useful it is and what could be done through it.

THE PUDDLE IN INTERNET - DARKWEB

The internet that we use today is just 4% of what the whole world wide web has in it. The age of the internet has many good use cases, let it be in the terms of medical emergencies, commute, education, and entertainment, but at the same time, it has many cons too. Wonder why I said we use only 4% of the internet? Because 96% is the dark web, a place where data of all the internet users is sold at a very good rate by many companies and their stakeholders. This side of the internet is filled with hackers, illegal traders, data sellers, seekers, and terrorists. The members of this group have formed their social media on the dark web, they communicate among themselves over there being anonymous to each other.

FUTURE IN 5G

In today's modern-day world, everyone is in a hurry to do some or the other work at a much quicker rate. In this charge of rushing up ourselves, technologies are enjoying an essential position in our everyday lives. Mobile has grown to become an incredible asset in our lives. Every single work of ours is completed via a small system named cell phone. From enjoying the easiest game to doing the greatest fee of money, we are dependable on cell phones. But what do you suppose if these works get speeded up at a very quicker rate? Yes, it is viable now due to expanding networking speed. We are acquainted with 1G, 2G, 3G, 4G networks which are additionally known as international wireless standards. Till now, we are long gone through the four generations of Networking.

Mini-Project Orientation

DIGITAL FORENSICS

Digital forensics has become a pillar in the world of cybercrime investigation. While traditional methods have involved manual analysis, advances in artificial intelligence and machine learning are making digital forensics more accessible and efficient. The term digital forensics was originally used as a synonym for computer forensics, but has expanded to include the study of any device capable of storing digital data. Digital forensics (sometimes called digital forensic science) is the branch of forensic science that involves the recovery, research, investigation and analysis of material found on digital devices, often associated with mobile and computer crime.

VCET SOLECTION

Congratulations!!!
Team VCET SOLECTION
for winning at SEVC 22

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