



BYTE QUEST

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Byte Quest is the article published by the CSE dept of Vasavi College of Engineering regarding the latest innovative Technologies and Software that have been emerged in the competitive world. The motto of this article is to update the people regarding the improvement in technology. The article is designed by the active participation of students under the guidance of faculty coordinators.

☐ Good, bad or indifferent if you are not investing in new technology, you are going to be left behind.

-Philip Green

☐ Once a new technology rolls over you, if you're not part of the steamroller, you're part of the road.

-Stewart Brand

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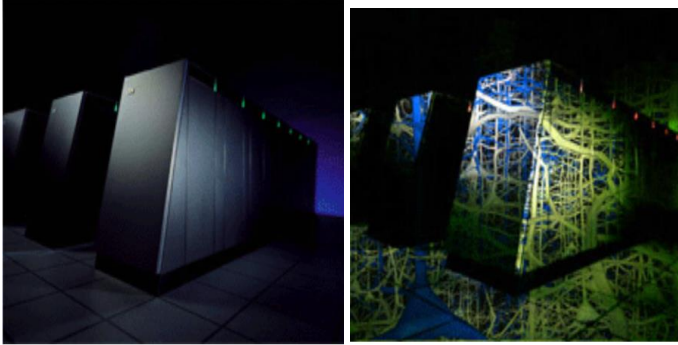
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BLUE BRAIN TECHNOLOGY



The name of the world's first virtual brain. That means a machine that can function as human brain. Today scientists are in research to create an artificial brain that can think, response, take decision, and keep anything in memory. The main aim is to upload human brain into machine. So that man can think, take decision without any effort. After the death of the body, the virtual brain will act as the man. So, even after the death of a person we will not lose the knowledge, intelligence,

personalities, feelings and memories of that man that can be used for the development of the human society. No one has ever understood the complexity of human brain. It is complex than any circuitry in the world. So, question may arise "Is it really possible to create a human brain?" The answer is "Yes". Because what ever man has created today always he has followed the nature. When man does not have a device called computer, it was a big question for all .But today it is possible due to the technology. Technology is growing faster than every thing. IBM is now in research to create a virtual brain. It is called "Blue brain".If possible, this would be the first virtual brain of the world.

JYOTHIKA (CSE-B 2/4)

IoMT

The Internet of Medical Things is the extended and more focused form of IoT. IoMT is the collection of medical devices and applications that connect to healthcare IT system through online computer networks. It helps to monitor the patients with chronic or long-term conditions; tracking patient medication orders and the location of patients admitted to the hospitals; patients' wearable mhealth devices.

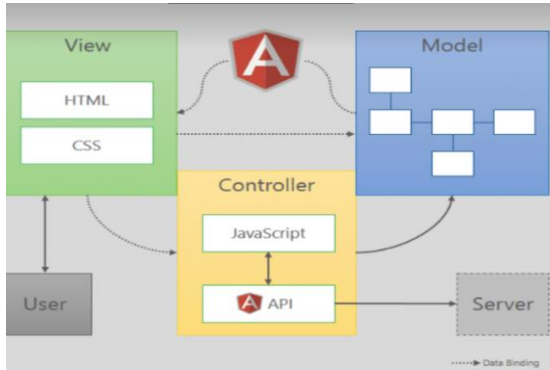
Due to the emerging technologies like NFC and RFID, these technologies allow the devices to share information with IT systems. This sharing would allow doctors to foresee the dangers by analysing and monitoring the patients.

IoT is blooming in all fields. However, in medical field, it is aiming for the myriad of problems and help in data optimization process. It is just the start when medical science will embrace IoT and then there will be so much to explore.



BHARATH CHANDRA (CSE-B 2/4)

ANGULAR AND REACT JS FRAMEWORKS



JavaScript (JS) frameworks are one of the most preferred platforms to build a dynamic modern application, real-time chat, commerce, inventory, processing, small or enterprise, front-end or backend – JS is well suited for everything. Many popular sites like Hulu, Paytm, Dictionary use different JS frameworks. The Angular JS and React JS are two of most popular frameworks of Java Script.

Angular JS:

Angular js is a popular open-source front-end development framework which is mainly used for developing dynamic single-page web applications (SPA). AngularJS transfers all the contents from the server to the browser along with loading all the web pages simultaneously. Once the contents are loaded, clicking on any link on the page does not reload the entire page content; instead, it simply updates the sections within the page. The most significant difference between traditional sites and Angular powered sites is that Angular expects the browser to build the page. This does not put a lot of load on the server and consequently results in faster loading of page. Large organizations like PayPal, Freelancer, LinkedIn, Lego, Hopscotch and several

others are powering their UIs by AngularJS.

React JS:

React a library used for developing UI applications. It was released in 2013 and has been a fastest growing JS framework in today's world. React can be used as a base in development of single-page or mobile applications. React js is most preferred when a high performing enterprise application needs to be delivered to its users. It is powered by user interfaces like that of Instagram and Facebook. React is excellent when it comes to handling small and stateless functions that receive an input and return elements as their output.

There has been a constant war between choosing Angular and React. React is more flexible when compared to Angular since developers will have to work with independent libraries with comparatively better response time.

