



Gyan Ganga Institute of Technology and Sciences

THE Genesis

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QUANTUM COMPUTERS: A DOUBLE-EDGED SWORD!?



Over the past few decades, computer technology has advanced considerably. We have made significant advancements as a result of computers' exponential growth in size and power. However, the size of computer components is quickly reaching its physical limits, therefore we must find new ways to enhance in some areas. Quantum computing may be the answer but Many researchers think it's a double edge sword! Why is quantum computing a threat to security? They're fast. Sycamore a Quantum computer has calculated the answer to a problem that would have taken the world's biggest supercomputers 10,000 years to complete, in only 200 seconds. This is great but when it comes to Security it's a great threat. Researchers and analysts in cybersecurity are deeply worried that the majority of existing cryptography could be broken by a new class of computers that are built on quantum physics rather than more conventional electronics. As Modern cryptography relies on keys that are generated by algorithms to encode data, meaning that only parties granted access to the keys has the means to decrypt the message. Therefore, there are two potential risks: either Hackers will try to decipher the data by intercepting the cryptographic key, or they would try to forecast it using the algorithm that has been generated by the powerful computers. This means that with the right amount of computing power, a hacker can predict the result.

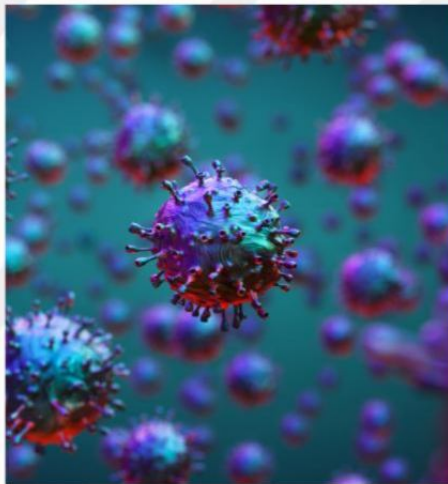
Referenced
from:-

IBM, Forbes

Nandan Patkar
AIML

Rocket Fuel Using Microbes

Using microbes to make supercharged new rocket fuel



Scientists have developed a new class of energy-dense biofuels based on one of nature's most unique molecules

Well aware of the advantages biology has to offer, a group of biofuel experts led by Lawrence Berkeley National Laboratory (Berkeley Lab) took inspiration from an extraordinary antifungal molecule made by *Streptomyces* bacteria to develop a totally new type of fuel that has projected energy density greater than the most advanced heavy-duty fuels used today, including the rocket fuels used by NASA.

"As these fuels would be produced from bacteria fed with plant matter -- which is made from carbon dioxide pulled from the atmosphere -- burning them in engines will significantly reduce the amount of added greenhouse gas relative to any fuel generated from petroleum", said project leader Jay Keasling, a synthetic biology pioneer and CEO of the Department of Energy's Joint BioEnergy Institute (JBEI).

The incredible energy potential of these fuel candidate molecules, called POP-FAMES (for polycyclopropanated fatty acid methyl esters), comes from the fundamental chemistry of their structures. In addition, these structures enable fuel molecules to pack tightly together in a small volume, increasing the mass -- and therefore the total energy -- of fuel that fits in any given tank.

Author Corinne Scown, JBEI's Director, added: "Energy density is everything when it comes to aviation and rocketry and this is where biology can really shine. The team can make fuel molecules tailored to the applications we need in those rapidly evolving sectors."

Referenced From:-
Sciencedaily

Written by:-
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ROBINHOOD'S CRYPTO DIVISION

Robinhood 

Robinhood's crypto division fined \$30 million by New York financial regulator

The New York State Department of Financial Services imposed a \$30 million fine on the crypto currency trading unit of online brokerage Robinhood Markets Inc. for alleged violations of anti-money-laundering and cybersecurity regulations, in the department's first crypto enforcement action. The New York

State financial regulator said that Robinhood Crypto LLC failed to maintain and certify compliant anti-money-laundering and cybersecurity programs. Robinhood will be required to retain an independent consultant to evaluate its compliance with NYDFS's regulations and its remediation efforts.

"Robinhood Crypto failed to invest the proper resources and attention to develop and maintain a culture of compliance," says Adrienne Harris, New York superintendent of financial services. All virtual currency companies licensed in New York are subject to the same anti-money laundering, consumer protection and cybersecurity regulations as traditional financial services companies, she

says. "We have made significant progress building industry-leading legal, compliance, and cybersecurity programs, and will continue to prioritize this work to best serve our customers," said Cheryl Crumpton, Robinhood's

associate general counsel of litigation and regulatory enforcement.



Written By:- Mohd, Faiz Ansari(CSIOT)

BGMI is Not Banned?

The Indian government banned BGMI again under Section 69A of the Information Technology Act empowers the Indian Government to restrict the usage of any content in the interest of integrity and sovereignty of India, security of the state, and friendly relations with foreign states or for public order. It is believed the game was removed due to international concerns over data sharing and mining in China.

BGMI is a term you must have probably heard by now. It is the abbreviated form of Player Unknown's Battleground. Basically, it is a video game which is a multiplayer battle royal game. It is banned in India again because of some main reasons.

BECAUSE THE CHANGES IS NOT DONE IN IT ACCORDING TO THE GOVERNMENT BGMI is the biggest among the Chinese apps that relaunched and rebranded with the same features and have managed to circumvent scrutiny. BGMI claims to have solved the issues that the government had with PUBG Mobile but there are claims that nothing much has changed and PUBG Mobile is just renamed as BGMI in India.

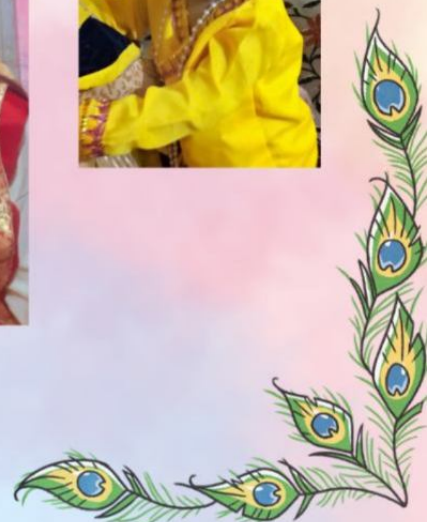
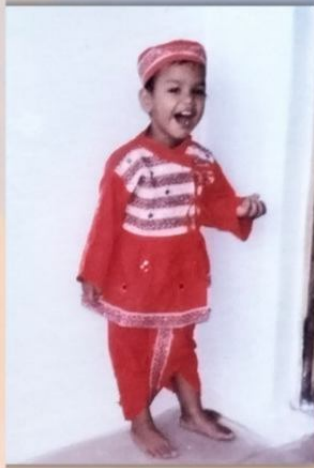
Betting, in-app purchases You must have read reports where kids have ended up spending lakhs on making in-app purchases in online games without telling their parents. While BGMI has already set a purchase limit of Rs. 7,000 in the game, children 'stealing' and spending money on online gaming is a concern for parents these days. Also, another issue that has come to the forefront is that kids have started to bet money among their friends over how they perform on BGMI and other games. While the bets are of small denominations mostly, it can't be ignored that school-going kids are getting hooked to betting.

The players have become addicted to this game. Moreover, it is hampering their quality of life. It is severely impacting the lives of the players and also resulting in various crimes. For instance, a boy killed himself due to BGMI mobile game addiction. Similarly, the people who are working are also addicted to this game. They are busy playing BGMI instead of focusing on their careers. Furthermore, BGMI mobile game addiction ruins the relationships of people. People spend all their time on this time instead of with their family and friends. It strains their relationships and causes pain.



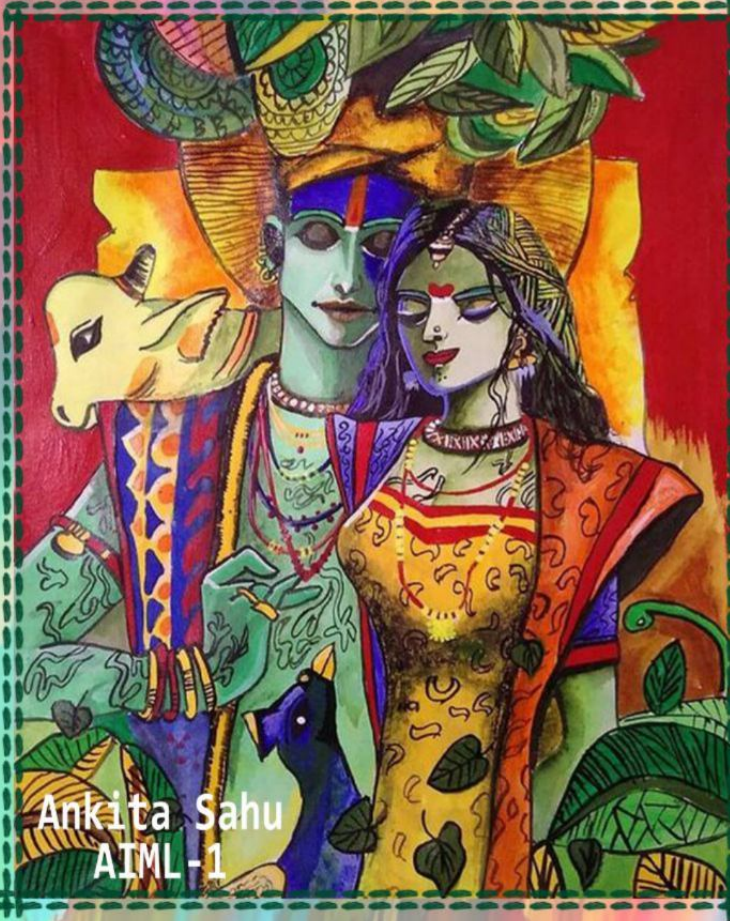
Written By:- Shruti Pachoori (CSE)

Jannashktami



BOUNDLESS

creations



Ankita Sahu
AIML-1

सारे मौसमों की सौगात है यहाँ
भभन भभन नददयों की कल कल भी है
घनेरे जंगलों की हरी चादर है बबछी
ओढे हुए बहमालय का आंचल भी है

अनेकों धमर जाबतयाँ और ररवाज है यहाँ
कं करो की तरह बबखरी है बोललयाँ कई
मगर जो मसअला हो देश का कभी
ददखते नहीं फासले बफर दरमरयाँ कोई

ददल की धडकन चेहरे की चमक
मेरी आँखों की शान है
कहो हहरदसतान, भारत या इंडिया ही कहो
देश मेरा महान है -Aman shrivastava

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Harsh wardhan Mourya

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