

MIND WI RIE



Technical Updates

Management Updates

Global & College Updates

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FROM: DEPARTMENT OF BS-COMPUTER SCIENCE

TECHNO MONTHLY

Metaverse - Boom of The Internet

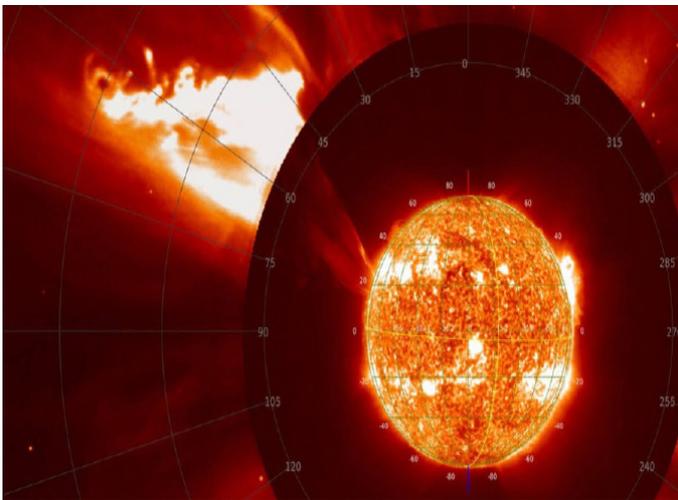
Metaverse is an online digital world possessing virtual reality and an augmented reality with 3D holographic avatars and videos. In other words, a metaverse is a virtual world where people create avatars and stay connected with each other virtually which cannot be done in reality.

It is a digital economy where we can create, buy and sell products on the internet such as NFT (Non Fungible Token) which works through blockchain technology and cannot be replicated. Even huge companies like Nike, Microsoft are investing millions of dollars in the projects of Metaverse. Recently a couple from Tamilnadu hosted their marriage in the metaverse. Researchers say that soon metaverse is going to be a boom of the internet.



- P.Usha Sree (Batch 1)

AI reveals turbulence in Sun's atmosphere

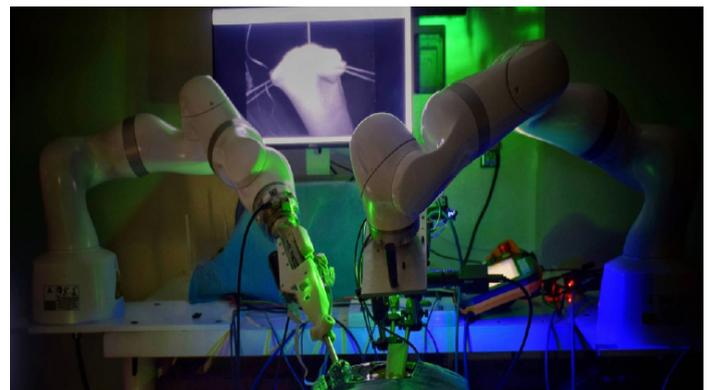


An artificial intelligence model can now detect and predict the hidden turbulent motions taking place inside the Sun's atmosphere. Developed by a team of researchers in Japan, this neural network has been fed with vertical motion and temperature data that gets collected from the surface of the solar photosphere.

According to studies, the electromagnetic activity associated with sunspots leads to solar flares. It can also cause coronal mass ejections and electromagnetic phenomena that can affect the Earth. Coronal mass ejections are humongous expulsions of magnetic fields and plasma from the outer region of the solar atmosphere.

Smart Tissue Autonomous Robot- The STAR

A robot developed by a team of John Hopkins University has performed one of the most difficult and delicate laparoscopic procedures on the soft tissue of a pig without any human intervention, taking a massive leap in the field of medical robotics. THE STAR(robot) excelled in suturing two ends of an intestine in four experiments on pig tissues, which is one of the most sophisticated procedures in abdominal surgery.



WORLD NEWS IN A NUTSHELL

A Faster Solution For Non-biodegradable

IIT Roorkee researchers found a three dimensional structure of an enzyme from the microbe, *Comamonas testosteroni* KFI that can help break down the non-biodegradable plastics faster. The team identified all enzymes responsible for phthalate and terephthalate degradation. Phthalate is a potential carcinogen. used to increase plastics' durability.



A Window Of Opportunity Opens At The RBI



The Reserve Bank of India has announced the recruitment of 950 assistant posts across its various offices in India. The online registrations begin on February 17 and last till March 8. Selected candidates will be entitled to a monthly salary of Rs.36,000.

Russia's invasion keeps oil prices on the boil



The cost of crude oil has hit its highest in seven years as markets fear a full-blown war between Russia and Ukraine-Therefore the concern about disruption in supplies from Russia, the second-biggest exporter.

Russia's invasion of Ukraine spooked the global oil market that was already tight due to the Covid-19 pandemic.

While petrol and diesel prices are directly linked to the international oil prices, they have remained stagnant since November last year, the sharp jump in crude oil prices will impact domestic fuel prices.



India to have 1 billion smartphone users by 2026: Deloitte

Recently, Deloitte has stated that India will have 1 billion smartphone users by 2026, with rural areas driving the sale of internet-enabled phones. This growth is likely to be propelled by the rural sector at a compound annual growth rate (CAGR) of 6 percent due to an increase in internet-enabled devices in the rural market. This is a result of the government's plan to fiberize all villages by 2025 under the BharatNet program.

Bitcoin: Now an ecological issue?



Intel CEO Patrick Gelsinger has criticized Bitcoin's impact on the climate, in an interview and mentioned how a single ledger consumes energy worth a day's power, which is a notable issue.

The Bitcoin network currently consumes an estimated 125 terawatt-hours of electricity per year. That is more electricity consumption per year than most of the world's countries, including Norway, the United Arab Emirates, and Sweden.

EDITORIAL

Ukraine under siege



Ukraine, which was economically and industrially the heart of the USSR (Union of Soviet Socialist Republics), emerged as an independent nation in the year 1991. The country which is the size of Afghanistan is home to 40 million people with ample resources. It is also known as the grain bowl of Europe. Geographically, it is present in a very strategic location between the NATO (North Atlantic Treaty Organization) EU and Russia. On 24th February, the Russian army led by Putin began invading Ukraine as it felt threatened by Ukraine's move to become a member of NATO which is detrimental to Russian interests.

India's stand in the war

India has abstained from voting in the UNSC meetings so far. It has taken a neutral stand in the war because of its friendly relations with Russia, even though in principle it doesn't support the invasion of any sovereign country.

Effect on the Indian economy

The war will affect the import bills of crude oil and gas which has already crossed \$120 a barrel. This will result in an escalation of their prices and have a cascading effect on the Indian economy in the long run.

The World condemns Russia's actions

Several countries across the world have put various sanctions and restrictions upon banks, oil refineries, and military exports to discourage Russia from prolonging the war. The Western allies also imposed restrictions on Russia's central bank including SWIFT transfers to limit Russia's ability to go for a long drawn war. Shell, Europe's largest oil company exited its investments in Russia.

Effects on the war-torn countries

Ukraine is witnessing humongous losses in terms of infrastructure, military, civilian losses, and great collateral damage due to the war. Russia, on the other hand, is also suffering military equipment and personnel losses, and its reputation as a superpower is highly dented now. The Russian currency has crashed by 40% which threatens inflation. Russia will not be able to export its oil and gas resources effectively.

- V. Brinda Reddy (Batch 1)



A Gaze Into VVGI!

A Festivity Of Unity And Diversity

A wise man once said, "Tradition is not to preserve the ashes but, to pass on the flame." Going along these lines, the MBA students of VVISM and VVSB together organized a beautiful event called, "Mahotsav", on the 12th of February in the college premises. This event has been religiously celebrated every year for almost a decade now. "The main idea behind this event is to bring together all traditions at one place and re-emphasize the elegance each of these festivities carries." said Dr. M. Ananda Rao, a faculty member. This was done splendidly by the students who decorated their classrooms with flowers and lights to create an alluring ambiance. Students performed dances, skits, and other activities that showcased the rich cultures Indian festivities possess.

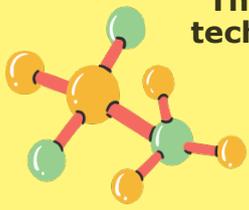
"Events like this help bring students together for a common goal. They bring all the traditions to one place, symbolizing unity in diversity, which is important, especially during times like this. Such team-building activities help to motivate students and bring out the best in them." said Ms. Sailaja, a lecturer from the MBA department.

The diverse culture we possess was portrayed not just through attires and decorations, but the students presented their faculty with a colorful platter of food, each of which was a specialty made on certain auspicious occasions.

"It's really amazing to see everyone on their toes just to make this event a success, even under such short notice. The seniors and the juniors harmonized their actions, and worked together at all moments; it was super exciting to have witnessed such a course of action," said Bhargavi, an MBA student.

"Not only did the event teach us to be spontaneous, but it has also helped to develop a sense of oneness, that we all can coexist despite the differences in the way we celebrate festivities. The point that our differences make us unique and help us to grow together was evident." said K.Gayatri, a final year MBA student. While the seniors praised the juniors for their enthusiastic involvement throughout, the juniors thanked them for their guidance. In the end, everyone was overjoyed that the program was a great success.





"The science of today is the technology of tomorrow....."



National Science Day!

The students of BS-CS organized an event on the occasion of National Science Day, to celebrate CV Raman's discovery of the Raman Effect. The event started off with planting of a croton sapling by **Dr. P. Chakravarthy, Director of BS-CS** which conveyed a message regarding their importance. Students spoke about the importance of technology in the development of society and how science aids such development.

The event comprised of an interactive quiz competition that created a hype amongst the audience who waited eagerly for their turn to answer.

To continue further, the event went on with a beautiful presentation based on the National Science Day 2022 and its theme of the year, "Integrated approach in Science And Technology for Sustainable Future". The audience also witnessed a Sci-Fi short-film that resonated with this year's theme. The program went on to be a success with the presence of the faculty to encourage and appreciate the students for their efforts.



Dr. P. Chakravarthy, Director of BS-CS planting a croton sapling



C.V. RAMAN (1888-1970)
Awarded Nobel Prize for his discovery of Raman Effect



Y. Gayathri, student of BS-CS addressing the audience

THIS E-MAGAZINE COULD NEVER BE COMPLETED WITHOUT TEAMWORK!

Magazine Director

S. KARTHIK, ASST. PROFESSOR
DEPT. OF BS-COMPUTER SCIENCE

Designing Team

YASER JAVED
TARAK PODISHETTI
LAKSH RATHORE
B. SAI KUSUMANJALI

Editing Team

PRATIMA PATTNAIK
V. BRINDA REDDY
A. BHAVISHYA
PVN. APARAJITHA

Contributors & Interviewees

T. HIRANMAI
Y. GAYATHRI
KOUSHIK REDDY
MANASA MADHURI SHIKA
R. VISHNU TEJA
D. SAI MANOGNA
D. JASMIN

