KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE (UG)
DBT STAR SPONSORED DEPARTMENT

NEWS CORNER

Date: 13.06.24

"INDIA`s FIRST AI LAB"

BlinkX, the digital stockbroking arm of JM Financial, launched BlinkX Gen AI Lab, a new technology project that aims to use artificial intelligence to improve operational efficiency and the customer experience. This setting shows a big step forward in financial technology at BlinkX by JM Financial, which is in Mumbai and covers more than 10,000 square feet. BlinkX, the digital stockbroking arm of JM Financial, launched BlinkX Gen AI Lab, a new technology project that aims to use artificial intelligence to improve operational efficiency and the customer experience. This setting shows a big step forward in financial technology at BlinkX by JM Financial, which is in Mumbai and covers more than 10,000 square feet. The Managing Director of BlinkX by JM Financial, Gagan Singla, talks about some more features, such as Real-Time Analysis, Advanced-Data Infrastructure, and Automated Customer Engagement.

13/6/24

STAFF INCHARGE

Ms.S.DEEPIKA

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NEWS CORNER

Date: 14.6.24

"THE SNOWBLIND MALWARE"

As more people use mobile banking, they are enjoying never-before-seen levels of convenience when handling their money. But this change has also caught the attention of hackers who want to steal private user data. Promon, a cybersecurity company, recently found a new danger called "Snowblind" malware. This malware targets Android devices to steal banking information. Snowblind is made to get into Android devices, get banking login information, and make deals without permission. Very smart malware hides itself by repackaging safe programs as harmful ones. This way, it avoids being found by security software. People take advantage of accessibility features to steal private data and take control of an infected device from afar. The way Snowblind is different from other malware is that it uses a function in the Linux kernel called "seccomp" to check for any changes made to the system. Injecting harmful code before seccomp is turned on is how Snowblind gets around built-in security.

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NEWS CORNER

Date: 15.6.24

"META 3D GEN"

A new technology called Meta 3D Gen, which was launched by Mark Zuckerberg's company Meta, lets you make 3D assets by following text prompts. This new technology, which came out on July 2, is meant to save a lot of time and make it possible to make hyper-realistic video games, movie effects, and other things. Three-dimensional things can be seen in digital files called 3D assets. For making video games more realistic, movies like "The Avengers" with visual effects, and virtual reality simulators, they are essential. Models called AssetGen and TextureGen are used to build Meta 3D Gen. TextureGen adds high-quality textures and Physical-Based Rendering (PBR) to the original 3D model that AssetGen made. Compared to other solutions, this integration makes 3D material that is better and faster.

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NEWS CORNER

Date: 18.6.24

"THE 6G NETWORK"

India's Department of Telecommunications (DoT) said in July 2024 that it wanted to improve 6G Technology that was already in the country. The project aims to create "Cell-Free" 6G Access Points by working with IIT Roorkee and IIT Mandi. This will help shape the future of mobile communication. Working together with C-DOT and top Indian Institutes of Technology is very important for developing 6G technology. The main goal of this Memorandum of Understanding (MoU) is to build access points, which are necessary for setting up 6G networks. The goal for 6G connectivity, which is expected to be available around 2030, is speeds of more than 100 Gbps. Terahertz frequencies will be used, allowing for very low delay of just 1 millisecond. Holographic contact and advanced IoT networks are two important entities.

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NEWS CORNER

Date: 19.6.24

"WORLD RECORD FOR DATA TRANSMISSION "

Aston University researchers are part of a team that has sent data at a record rate of 402 terabits per second using commercially available optical fibre.This beats their previous record, announced in JULY 2024, of 301 terabits or 301,000,000 megabits per second using a single, standard optical fibre.If compared to the internet connection speed recommendations of Netflix, of 3 Mbit/s or higher, for a watching a HD movie, this speed is over 100 million times faster. The speed was achieved by using a wider spectrum, using six bands rather than the previous four, which increased capacity for data sharing. Normally just one or two bands are used. The international research team included Professor Wladek Forysiak and Dr Ian Philips who are members of the University's Aston Institute of Photonic Technologies (AIPT).

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NEWS CORNER

Date: 20.6.24

"QUANTUM CENSOR TECHNOLOGY"

In a scientific breakthrough, an international research team from Germany's Forschungszentrum Jülich and Korea's IBS Center for Quantum Nanoscience (QNS) developed a quantum sensor capable of detecting minute magnetic fields at the atomic length scale. This pioneering work realizes a long-held dream of scientists: an MRI-like tool for quantum materials. A quantum sensor is a technology that uses quantum mechanical phenomena such as the spin of an electron or the entanglement of quantum states for precise measurements. Several types of quantum sensors have been developed over the past years. While many quantum sensors are able to sense electric and magnetic fields, it was believed that atomic-scale spatial resolution cannot be mastered simultaneously.

S. Deepika 20/6/24

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NEWS CORNER

Date: 21.6.24

"COMPUTER VISION IN IMAGEOMICS"

A new field promises to usher in a new era of using machine learning and computer vision to tackle small and large-scale questions about the biology of organisms around the globe.The field of imageomics aims to help explore fundamental questions about biological processes on Earth by combining images of living organisms with computer-enabled analysis and discovery. Wei-Lun Chao, an investigator at The Ohio State University's Imageomics Institute and a distinguished assistant professor of engineering inclusive excellencein computer science and engineering at Ohio State, gave an in-depth presentation about the latest research advances in the field last month at the annual meeting of the American Association for the Advancement of ScienceChao and two other presenters described how imageomics could transform society's understanding of the biological and ecological world by turning research questions into computable problems.

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NEWS CORNER

Date: 22.6.24

"ROBOTS THAT CAN TREAT EYE DISEASE"

The custom-built robot was used to treat wet neovascular age-related macular degeneration (AMD), administering a one-off, minimally invasive dose of radiation, followed by patients' routine treatment with injections into their eyeIn the landmark trial, published today in The Lancet, it was found that patients then needed fewer injections to effectively control the disease, potentially saving around 1.8 million injections per year around the world.Wet AMD is a debilitating eye disease, where abnormal new blood vessels grow into the macula, the light sensing-layer of cells inside the back of the eyeball. The vessels then start to leak blood and fluid, typically causing a rapid, permanent and severe loss of sight. Globally, around 196 million people have AMD and the Royal College of Ophthalmologists estimates that the disease affects more than 700,000 people in the UK. The number of people with AMD is expected to increase 60% by 2035, due to the country's ageing population.

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