



**KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)**



**DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT**



*News World*

Class: *1 BSC CS A*

Date: *21/9/24*

***Cerebras vs Nvidia: New Inference tool promises higher performance***

*AI hardware startup Cerebras has created a new AI inference solution that could potentially rival Nvidia's GPU offerings for enterprises.*

*The Cerebras Inference tool is based on the company's Wafer-Scale Engine and promises to deliver staggering performance. According to sources, the tool has achieved speeds of 1,800 tokens per second for Llama 3.1 8B, and 450 tokens per second for Llama 3.1 70B. Cerebras claims that these speeds are not only faster than the usual hyperscale cloud products required to generate these systems by Nvidia's GPUs, but they are also more cost-efficient.*

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*P.M. 21/9/24*





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## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



Class: 1-BSC CS-B

Date: 2/9/24

Information technology (IT) is the use of computer systems to manage, process, protect, and exchange information. It's a vast field of expertise that includes a variety of subfields and specializations. The common goal between them is to use technology systems to solve problems and handle information. In the following article, you can learn more about the information technology industry conceptually and from a career perspective.

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Class : I B.Sc., CS DA

Date : 21/9/24

## AI and CYBERCRIME

The AI race between cybercriminals and those who try to protect systems is emerging as one of the most critical for the stability and safety of the digital world. Let's see how AI is being used:

### AI AS A TOOL TO COMMIT CYBERCRIME

**Automated hacking** uses AI to find new vulnerabilities more rapidly than human hackers. **Phishing attacks** are about using AI to generate fake emails and find targets for phishing. AI is used to prepare patterns for brute-force **password cracking**. AI facilitated a new generation of **deepfakes** that can produce realistic audio and video, which could be used for fraud, disinformation campaigns, and blackmail. In particular, deepfakes can be used for **impersonation attacks**. As data feeds into AI, **data poisoning** can mislead AI for cybercrime purposes. AI-powered bots can be used for Distributed Denial of Service (DDoS) attacks or for spreading misinformation on social media platforms.

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News World

Class: II-Bsc(CS)-B

Date: 21/09/24



## Tips For Freshers In The IT Industry

- 1.Teamwork:**Collaborate with colleagues, share knowledge, and support each other.
- 2.Time management:**Prioritize tasks, meet deadlines, and maintain a work-life balance.
- 3.Problem-solving:**Develop analytical skills, identify solutions, and seek help when needed.
- 4.Networking:**Build relationships with colleagues, mentors, and industry professionals.
- 5.Stay updated:**Stay current with industry trends, advancements, and best practices.

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Class: II BSc CS with DA

Date: 21/09/24

**Current situation of IT sector in India**

The IT industry in India accounted for 7.5% of the country's GDP in the financial year 2023. The industry has played a significant role in India's socio-economic growth, so much so that it could be the future driver of modern India. However, the industry is currently facing a staffing crisis as the number of skilled people entering the workforce is failing to keep pace with demand. Despite this, India remains the largest explorer of IT in the world economy.

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Class: III-B.Sc(CS)-A

Date: 2/9/24

**IBM shuts down research labs in this country, lays off 1,000 Employees**

IBM has reportedly shut down its research and development (R&D) operations in China, joining a growing list of major tech companies scaling back their presence in the country due to geopolitical challenges. According to a Chinese publication, the closure of IBM's China Development Lab and China Systems Lab has led to layoffs of over 1,000 employees in cities such as Beijing, Shanghai, and Dalian.

The South China Morning Post reported that over the weekend, IBM's R&D staff in China lost access to the company's intranet and services.

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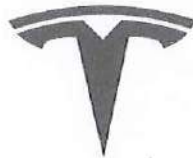


Class: III B.Sc CS – 'B'

Date: 2/9/24

**ELON MUSK STARTS TRAINING WORLD'S MOST  
POWERFUL AI**

Elon Musk's AI venture, xai, has commenced training its large language model (LLM), Grok, on what he claims is the world's most powerful AI training cluster. Located in Memphis, Tennessee, the system is equipped with 1,00,000 Nvidia H100 AI chips. Musk made the announcement on X (formerly Twitter), his other company. Nice work by @xai team, @X team, @Nvidia & supporting companies getting Memphis Supercluster training started at ~4:20am local time," he said in a post. "With 100k liquid-cooled H100s on a single RDMA fabric, it's the most powerful AI training cluster in the world!"



**TESLA**

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Class: I BSC CS A

Date: 3/9/24

## Hyundai, IIT Madras join hands for hydrogen tech development in Tamil Nadu

Tamil Nadu Chief Minister M.K. Stalin has laid the foundation for Hyundai's new Hydrogen Innovation Centre at IIT Madras. This initiative aims to advance hydrogen technology in India with a substantial investment of ₹180 crore. Moto G45 5G will compete against the likes of Realme C63 5G, Poco M6 Pro, Samsung Galaxy M14, Lava Blaze 5G and more. Elon Musk and Bhavish Aggarwal have made significant contributions to technology and transportation.

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Class: I-B.Sc(CS)-B

Date: 3/9/24

The IT industry in India accounted for 7.5% of the country's GDP in the financial year 2023. The industry has played a significant role in India's socio-economic growth, so much so that it could be the future driver of modern India. However, the industry is currently facing a staffing crisis as the number of skilled people entering the workforce is failing to keep pace with demand. Despite this, India remains the largest explorer of IT in the world economy.

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IT SECTOR

Class: II - Bsc (CS) - B.

Date: 3/9/24

The IT industry in India accounted for 7.5% of the country's GDP in the financial year 2023. The industry has played a significant role in India's socio-economic growth, so much so that it could be the future driver of modern India. However, the industry is currently facing a staffing crisis as the number of skilled people entering the workforce is failing to keep pace with demand. Despite this, India remains the largest explorer of IT in the world economy. Future of IT sector in India The future of IT sector in India looks promising, with many opportunities for IT professionals to develop their skills and advance their careers. According to a report by Network Kings, several trends are likely to shape the future of the IT industry in India in the coming years.

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News World

Class: BSC (CS&DA)

Date: 3.9.24

## Meta to cease AI operations in Brazil

Earlier this month, Brazil's National Data Protection Authority (ANPD) decided to suspend with immediate effect the validity of Meta's new privacy policy for the use of personal data to train generative artificial intelligence systems in the country.

Meta platform said on Wednesday it decided to suspend use of generative artificial intelligence tools in Brazil in response to the government's objections to its new privacy policy regarding personal data and AI.

With more than 200 million people, Brazil is a crucial market for Meta. For example, Brazil has the second-largest user base for Meta's WhatsApp after India.

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Class: III-B, Sc. CS- 'A'

Date: 3/19/24

**Generative AI could drive 2024 smartphone sales, says IDC**



Generative AI capabilities — or at least the perceptions surrounding them — are rewriting almost all of IT. But with generative AI ROI proving elusive in IT circles, is AI truly going to impact near-term revenue? With mobile devices, analyst group IDC thinks it very well might. "Premium markets are starting to embrace gen AI smartphones, generating excitement and renewed interest in the industry," IDC said in a statement accompanying the latest edition of its Worldwide Quarterly Mobile Phone Tracker study.

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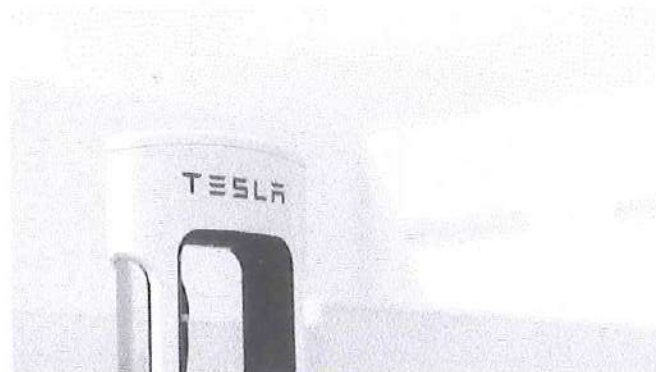


Class: III B.Sc CS – 'B'

Date: 3/9/24

## TESLA FINALLY WARNS EV OWNERS NOT TO ATTEMPT THE WET TOWEL CHARGING TRICK

Tesla owners have been officially warned off using the famed wet towel trick. It only took the automaker two months to make the announcement. The trick, in case you don't know, involves dampening a towel and then wrapping it around a Tesla Supercharger handle. This cools down the handle on hot days and allegedly allows the car to charge faster since it doesn't heat up as much as it would in open air.



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Class: IIIB.SC CS with DA



Date: 31/9/24

*News World*

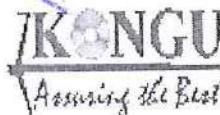
### **Capgemini forecasts surprise revenue fall on North America weakness**

The market was the second biggest for the group, accounting for 28% of its revenue in the first half of the year. It was a drag on Capgemini's results last year as well, amid a tech sector downturn. CEO Ezzat, however, said in a press call that North America was the region showing the strongest recovery between the first and second quarters. The group's total headcount stood at 336,900 at the end of June, down 4% year-on-year. The headcount was 337,200 at the end of March. Capgemini has slowed hiring since 2023, ending the year with 5% fewer resources than it started it with, a first since 2009. The French group reported H1 revenue of 11.14 billion euros (\$12.09 billion), down 2.5% year-on-year on a reported basis.

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Class: I-Bsc.CS-A

Date: 11.9.24

**Google introduces custom chatbot creation with  
Gems for Gemini subscribers :**

Google is now offering Gemini subscribers the ability to create custom chatbots called Gems. These chatbots can be personalised with different characteristics through specific instructions. Users simply need to name the chatbot, provide it with instructions, and start using it. "You can create and save Gems to customize responses in Gemini Apps to your specific needs," said Google.

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*News World*

Class: 1 BSc cs-B

Date: 4.9.24

KAWASAKI, Japan, Aug 30, 2024 - (JCN Newswire) - Fujitsu today announced plans to establish an Open All-Photonics Network (APN) (1) Lab in Düsseldorf, Germany from November 2024 to March 2025. The aim is to popularize APNs and promote the global expansion of the Innovative Optical and Wireless Network (IOWN) (2). The lab is the first of its kind outside of Japan (3). Visitors will be able to experience firsthand the benefits of Open APN technology, including its ease of operation and versatility. Network carriers, data center operators and vendors will be able to use the lab to verify APN functionality and multi-vendor connectivity. A new IOWN service is planned to be introduced in Japan from fiscal 2025,

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*News World*

Class: I-BSC-CS-DA

Date: 4.9.24

*Wipro appoints Srikumar Rao as global head of engineering business line*

Wipro, the Indian IT services major, has announced the appointment of Srikumar Rao as the global head of its Engineering Business Line. In this role, Rao will be responsible for driving growth, strategy, and innovation across Wipro's engineering services portfolio, which includes aerospace, automotive, energy, and industrials. With his extensive experience in leading engineering and technology teams, Rao is expected to further strengthen Wipro's capabilities in digital engineering, IoT, and Industry 4.0, enabling the company to deliver cutting-edge solutions to its global clients and stay ahead in the competitive market.

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DEPARTMENT OF COMPUTER SCIENCE (UG)  
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Class: II - B.Sc - CS - A

Date: 4.9.24

## Stocks in news: RIL, IndiGo, PB Fintech, Vedanta, Tata Steel

Benchmark Nifty rose marginally to hit a fresh lifetime high of 25,052 and Sensex gained over 70 points on Wednesday. In today's trade, shares of RIL, IndiGo, PB Fintech, Vedanta, Tata Steel among others will be in focus due to various news developments.

**IndiGo:** Rakesh Gangwal, co-founder of InterGlobe Aviation, is looking to sell up to \$804 million in the company through a block deal, according to reports.

**PB Fintech:** Chinese multinational technology conglomerate Tencent is likely to sell 2.1% stake in PB Fintech via block deal at an estimated price of Rs 1,610 crore.

**Tata Steel:** Tata Steel has acquired 178 crore shares in arm T Steel holdings for Rs 2348 crore.

**Vedanta:** Metal major Vedanta will consider third interim dividend for the financial year 2024-25 when its board meets on September 2.

**RIL:** Shares of RIL will be in focus as the company will host its 47th annual general meeting (AGM) today.

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Class: II B.SC CS-B

Date: 4.9.24

## Nvidia discusses joining OpenAI's latest funding round

Nvidia Corp, the world's biggest chipmaker, has discussed joining a funding round for OpenAI that would value the artificial intelligence startup at more than \$100 billion, according to people familiar with the matter.

Apple Inc and Microsoft Corp also have been in talks about participating in the financing, said the people, who asked not to be identified because the deliberations are private. The round would be led by Thrive Capital, which is investing about \$1 billion, Bloomberg reported earlier this week. Nvidia has discussed investing about \$100 million, two of the people said.

Microsoft was already OpenAI's biggest funder, having invested roughly \$13 billion.

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4/9/24



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## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



*News World*

Class: II B.Sc (CS&DA)

Date: 04/9/24

### TCS extends partnership, to transform Primark's tech ops in 5 years

Continuing its deal-win momentum in the UK, IT behemoth Tata Consultancy Services (TCS) on Thursday extended its partnership with international fashion retailer, Primark. Under the leadership of K Krithivasan, TCS has sealed at least three billion-dollar deals in the UK market.

Over the next five years, TCS will facilitate transformation of Primark's technology operations to support its ambitious plans for global growth, the IT major said in a filing with BSE. UK gives around 17% of the company's revenue.

TCS has been working with Primark since 2016. Apart from driving business-critical integration programmes and stabilising core platforms for the retailer, TCS has also improved cybersecurity capabilities, improving stability and reliability of processes and systems.

As part of this expanded partnership, TCS will help reduce time-to-market for the retailer, along with helping Primark adopt a more agile and product-based operating model by enabling automation through intelligent automation and DevOps technologies. This new operating model will integrate and optimise application development, testing and maintenance processes.

Shekar Krishnan, vice-president and head of retail-UK and Europe, TCS, said, "The fashion industry is continually modernising its entire value chain — from conceptualisation to design to production and retailing... We're thrilled to support Primark's mission to offer affordable fashion for everyone and its global vision for growth."

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DEPARTMENT OF COMPUTER SCIENCE (UG)**



DBT STAR SPONSORED DEPARTMENT



Class: III B.Sc.[CS]-A

Date: 4.9.24

**TCS sets 'conditions' for pay hikes and promotion for its employees.**

The directive has specified that employees must adhere to their designated offices, rather than opting for locations closer to their residences. TCS promotion: Hikes and promotions at TCS, India's largest IT firm, will now be reportedly linked to the firm's recent return-to-office mandate. The company has also linked variable pay-outs with this policy. The rule is also applicable to fresher's, who have completed assigned courses and are eligible for higher salaries beyond the standard annual compensation of Rs 3 lakh.



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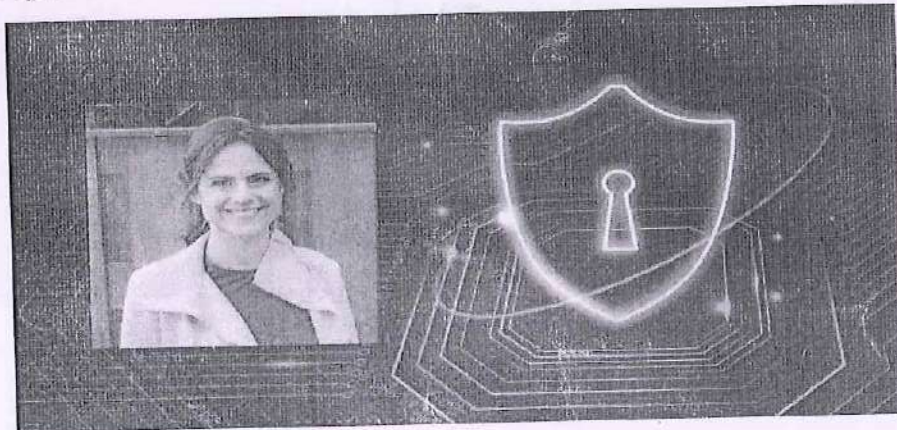
*News World*

Class: III B.Sc CS – 'B'

Date: 4.9.24

## CHIEF AI OFFICER APPOINTED BY US CYBERSECURITY WATCHDOG

In a first, the US government's cybersecurity watchdog has appointed a chief AI officer to identify and tackle cyber threats posed by AI while ensuring the safe integration of such tools with critical infrastructure such as power grids, water management systems, and banks. Lisa Einstein was named as the AI head of the US Cybersecurity & Infrastructure Security Agency (CISA), which comes under the Department of Homeland Security.



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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
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Class: III- B.SC CS WITH DA

Date: 02/09/2024

### VIT signs MoU with Volvo Group for M.Tech Smart Mobility course

The Vellore Institute of Technology (VIT) has signed a Memorandum of Understanding (MoU) with Volvo Group India Private Limited (VG IPL) to collaborate on design and delivery of the Master of Technology in Smart Mobility course, as well as to provide students with support for internships and placements.

According to a press release, the agreement was in line with VIT's dedication to fostering collaboration between academia and industry. The flagship course will incorporate specialist credit courses to provide students with up-to-date automotive industry innovations. The agreement will provide industry-specific projects to university students who have chosen to participate in the programme.

It encompasses the provision of internship and apprenticeship opportunities to students pursuing relevant academic programmes.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
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*News World*

Class: I BSC CS A

Date: 5.9.24

**Naukri.com founder Sanjeev Bikhchandani backs Narayana Murthy but says 70-hour work week 'is not religion'**

In a conversation with Jivraj Singh Sachar on the Indian Silicon Valley Bank podcast, Bikhchandani emphasised that there was no entrepreneur in India who was successful without a 'work-life integration'. Sharing his thoughts on Narayana Murthy's 70-hour work week advice, Sanjeev Bikhchandani, the founder of Info Edge, which owns Naukri.com, said entrepreneurs in India need to be ready to work very hard to succeed. However, he mentioned that he did not look at 70-hour work week as a "religion".

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Class: I - BSC (CS) - B

Date: 5.9.24

**IT NEWS ABOUT INFOSYS**

**Infosys Share Price Highlights : Infosys closed today at ₹1873.5, up 0.5% from yesterday's ₹1864.1**

Infosys Share Price Highlights : Infosys stock price went up today, 20 Aug 2024, by 0.5 %. The stock closed at 1864.1 per share. The stock is currently trading at 1873.5 per share. Investors should monitor Infosys stock price closely in the coming days and weeks to see how it reacts to the news

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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



Class: Bsc CsDA

Date: 5.9.24

- Infosys McCamish facing fourth class action suit over 2023 data breach

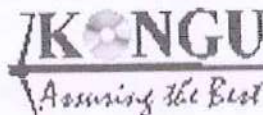
Mails seeking comment from Infosys were directed to response made during Q1 earnings where CEO Salil Parekh said "McCamish is in the process of coordinating with its clients to ensure all the notifications are provided. In addition, the U.S. State Attorney Generals and Insurance Commissioners have also been notified

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DBT STAR SPONSORED DEPARTMENT**



*News World*

Class: II-B.Sc CS-'A'

Date: 5.9.24



Elon Musk is facing one of his most significant legal challenges yet, this time in Brazil. The conflict which has rapidly escalated over the past few months, pits Musk against Brazil's Supreme Court and its outspoken Justice Alexandre de Moraes. This time, X - the popular microblogging site - is expected to be blocked in Brazil, even as a judge has blocked Starlink's bank accounts in the country.

*S. H. 5/9/24*

**STAFF INCHARGE**

Ms.S.DEVIPRIYA



**SUBMITTED BY**

**GOKUL.K**



*S.M. 5/9/24*



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



*News World*

Class: II-BSC-CS(B)

Date: 5.9.24

## The Rise of Generative AI Models



Generative AI models, such as GPT (Generative Pre-trained Transformer) and DALL-E, are revolutionizing the way machines understand and generate human-like content. These models are capable of creating realistic images, text, music, and even software code, marking a significant leap in artificial intelligence capabilities. Generative AI has found applications in various fields including creative arts, customer service automation, and personalized content creation. Companies are leveraging these models to enhance user experiences, streamline workflows, and drive innovation. As these technologies continue to evolve, they promise to reshape industries by automating complex tasks and enabling new forms of human-machine interaction.

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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)  
DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



Class: II-B.Sc. CS with DA

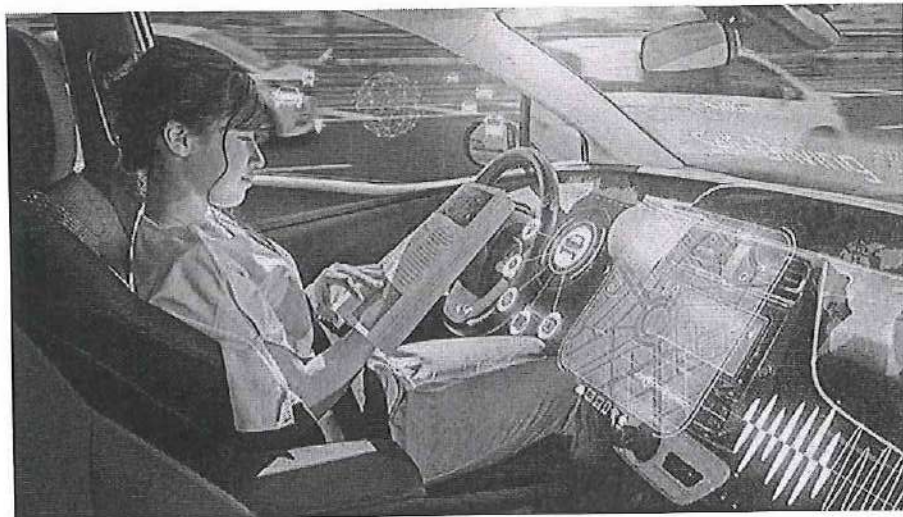
Date: 5.9.24



## AUTONOMOUS CAR

An autonomous car is a vehicle capable of sensing its environment and operating without human involvement. A human passenger is not required to take control of the vehicle at any time, nor is a human passenger required to be present in the vehicle at all. An autonomous car can go anywhere a traditional car goes and do everything that an experienced human driver does.

Autonomous cars create and maintain a map of their surroundings based on a variety of sensors situated in different parts of the vehicle.. Lidar (light detection and ranging) sensors bounce pulses of light off the car's surroundings to measure distances, detect road edges, and identify lane markings.



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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



Class: B.sc(cs)III-A

Date: 5.9.24

## FlightAware data breach exposed sensitive user information, including social security numbers

FlightAware, the 19-year-old aviation company that lets anyone track flights and their live paths, has revealed a massive data breach in its system that has left millions of users' sensitive information exposed. According to reports, this data leak resulted from a configuration error that went undetected for more than three years and potentially compromises everything from email addresses to even social security numbers. According to the company, it discovered a configuration error within its systems last month – an error that exposed the personal information of its users. The company stated that this error dates back to January 1, 2021, meaning that sensitive customer data has been vulnerable for over three years.



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DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



*News World*

Class: III B.Sc CS – 'B'

Date: 5.9.24

## TCS SETS CONDITIONS FOR PAY HIKES AND PROMOTION FOR ITSEMPLOYEES

The directive has specified that employees must adhere to their designated offices, rather than opting for locations closer to their residences. TCS promotion: Hikes and promotions at TCS, India's largest IT firm, will now be reportedly linked to the firm's recent return-to-office mandate. The company has also linked variable pay-outs with this policy. The rule is also applicable to fresher's, who have completed assigned courses and are eligible for higher salaries beyond the standard annual compensation of Rs 3 lakh.



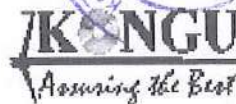
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**DEPARTMENT OF COMPUTER SCIENCE (UG)**

DBT STAR SPONSORED DEPARTMENT

Class: IIIB.SC CS with DA



Date: 5.9.24

*News World*

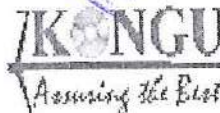
**ER&D firm Cyient's Q1 profit declines 23.8% to Rs 144 crore**

Executive vice chairman and MD Krishna Bodanapu said, "Our top customer engagement grew double-digit YoY and our FY24 exit order intake was also double-digit higher YoY. We won five large deals in DET with a total contract potential of \$52.4 million in this quarter. With this, we are confident that we have taken steps to align the supply to the demand. We believe this will translate into improved revenue realization and drive a sharp recovery of grow . DET segment's EBIT margin stood at 13.5%, down 260 bps (100 bps is one percent) YoY. Its headcount declined to 15,083 at the end of June quarter, down by 378 from the previous quarter.

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*V.N.R*  
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**KONGU ARTS AND SCIENCE COLLEGE**  
(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



*News World*

Class: I BSC CS A

Date: 6.9.24

**IT hiring expected to surge 8.5% by next year with expanding demand: Report**

IT hiring expected to surge 8.5% by next year with expanding demand: Report. IT hiring expected to surge 8.5% by next year with expanding demand According to the survey, about 70% of all tech jobs currently live on Indeed are across software roles. Indeed, in the official statement, said that after a slow period late last year and early this year, the demand for skilled IT talent is growing. Indeed, in the official statement, said that after a slow period late.

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DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



News World

Class: IB.Sc.es-b

Date: 6.9.24

Latest news about Infosys.

Strategic Collaboration : Infosys today announced an expanded strategic collaboration with ServiceNow to provide end-to-end managed services, leveraging AI capabilities of the Now Platform and the Infosys Enterprise Service Management Café (ESM Café) for enterprise business transformation.

Business Transformation: Infosys today announced its collaboration with TDC Net, a Danish digital infrastructure and connectivity provider, to help them transform from a traditional infrastructure company to a leading customer-centric technology company.

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**KONGU ARTS AND SCIENCE COLLEGE**  
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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
DBT STAR SPONSORED DEPARTMENT



*News World*

Class: I-BSC-CS-DA

Date: 6.9.24

*Infosys, Nvidia expand partnership to develop GenAI-powered solutions for telcos*

Infosys, a global leader in next-generation digital services, has broadened its collaboration with Nvidia, a pioneer in artificial intelligence (AI) and graphics processing units (GPUs). The expanded partnership aims to develop cutting-edge, Generative AI (GenAI)-powered solutions for telecommunications companies. By combining Infosys' expertise in telecom services with Nvidia's advanced AI technologies, the duo will create innovative solutions that enable telcos to automate network operations, enhance customer experiences, and unlock new revenue streams. This strategic partnership is poised to revolutionize the telecom industry with AI-driven insights, efficiency, and agility.

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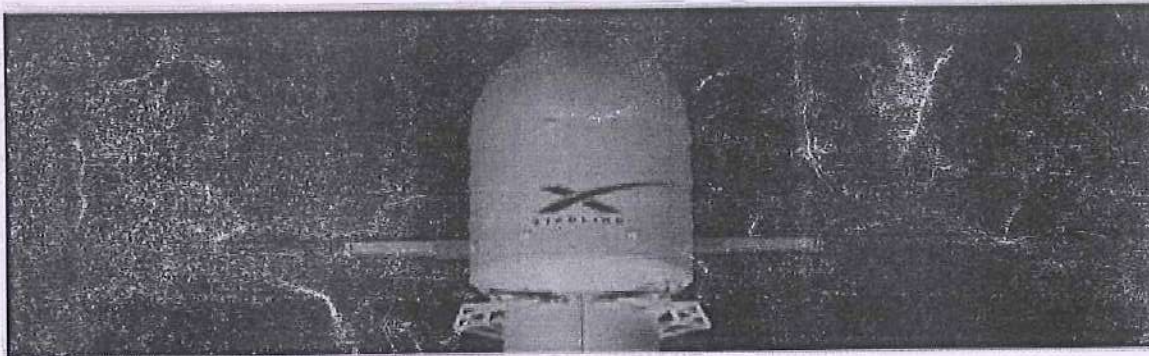
DEPARTMENT OF COMPUTER SCIENCE (UG)  
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News World

Class: II-B.Sc CS-'A'

Date: 6.9.24



The crew, amongst other things, will test laser communications provided by SpaceX's Starlink satellite network. During the mission, the Crew Dragon spacecraft and its systems will be tested against the intense conditions of the Van Allen radiation belts, an area characterized by high levels of charged particles from the sun. This environment poses a risk to both the spacecraft's electronics and the health of its crew. The mission's altitude and radiation exposure are expected to be more severe than those encountered in low-Earth orbit missions

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(AUTONOMOUS)



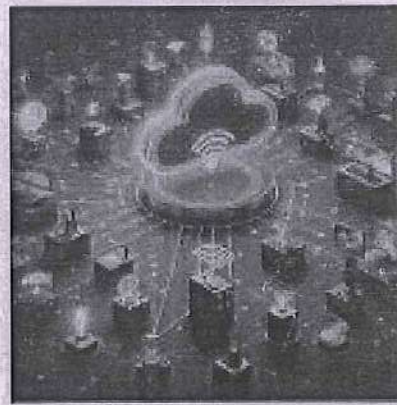
**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
DBT STAR SPONSORED DEPARTMENT



Class: II-BSC-CS(B)

Date: 6.9.24

**Edge Computing and IoT**



Edge computing is transforming the Internet of Things (IoT) by bringing data processing closer to the source of data generation. Instead of relying solely on centralized cloud computing, edge computing processes data at or near the devices that produce it, reducing latency and improving response times. This approach is particularly beneficial for applications like autonomous vehicles, smart cities, and industrial automation, where real-time data processing is crucial. By minimizing the need for data to travel long distances to a central server, edge computing also enhances data security and reduces bandwidth costs, making IoT systems more efficient and reliable.

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## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



News World

Class: II B.Sc (CS&DA)

Date: 6.9.24

### Nvidia discusses joining OpenAI's latest funding round

Nvidia Corp, the world's biggest chipmaker, has discussed joining a funding round for Open AI that would value the artificial intelligence startup at more than \$100 billion, according to people familiar with the matter.

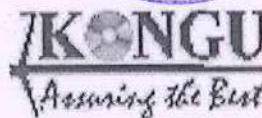
Apple Inc and Microsoft Corp also have been in talks about participating in the financing, said the people, who asked not to be identified because the deliberations are private. The round would be led by Thrive Capital, which is investing about \$1 billion, Bloomberg reported earlier this week. Nvidia has discussed investing about \$100 million, two of the people said. If the discussions move forward, it would mean the three most valuable tech companies are all backing Open AI, maker of the groundbreaking Chat GPT chatbot. Microsoft was already Open AI's biggest funder, having invested roughly \$13 billion. Representatives for Nvidia, Apple, Microsoft, OpenAI and Thrive all declined to comment. Nvidia, meanwhile, supplies the critical infrastructure needed to develop and run AI tools like Chat GPT. It's the biggest maker of so-called AI accelerators, sales of which have soared over the past two years.

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DEPARTMENT OF COMPUTER SCIENCE (UG)  
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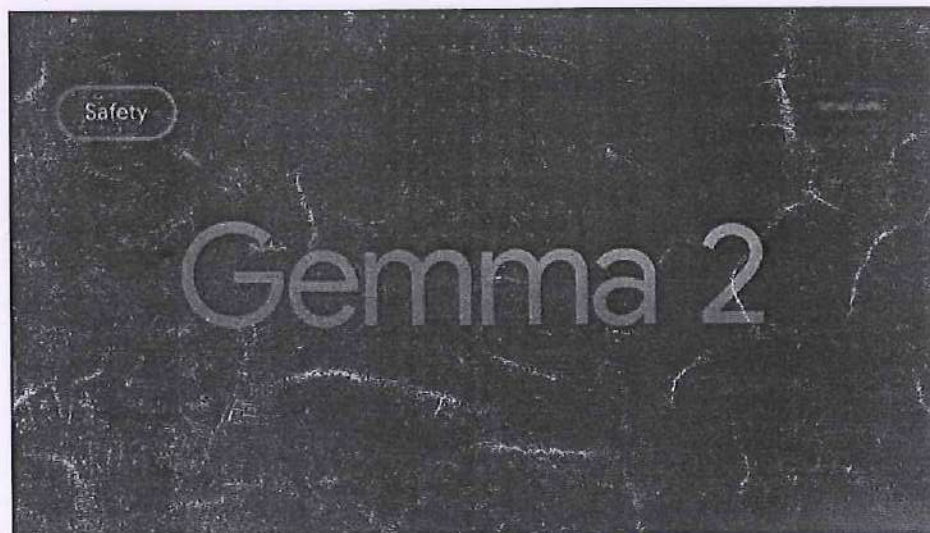


Class: III B.Sc CS – 'B'

Date: 06.09.24

## GOOGLE'S NEW SMALL AI MODEL GEMMA 2 2B SURPASSES OPENAI'S GPT-3.5

Google has just unveiled its latest AI model, Gemma 2 2B a lightweight AI model that has reported outperformed larger models like GPT-3.5 and Mistral 8x7b on key benchmarks. Weeks after released the Gemma 2 best-in-class models, Google has unveiled Gemma 2 2B with built-in safety advancements. Along with Gemma 2 2B, Google has also announced new additions shieldgem and Gemma Scope.



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DEPARTMENT OF COMPUTER SCIENCE (UG)  
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News World

Class: III B.Sc CS with DA

Date: 06.09.24

**AI could help identify high-risk heartpatients**

Artificial intelligence (AI) could help GPs identify patients most at risk of developing conditions that could lead to fatal heart problems.

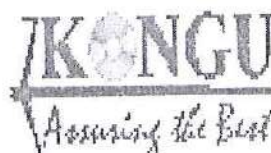
The University of Leeds has helped train an AI system called Optimise, that looked at health records of more than two million people.

Researchers found that in many cases patients had undiagnosed conditions, or had not received the medications that could help reduce their risk.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
DBT STAR SPONSORED DEPARTMENT



Class: I BSC CS A

Date: 9/9/24

**India must improve air logistics for electronics and telecom manufacturing, says Ajai Chowdhry**

Ajai Chowdhry, Founder of Electronics Products Innovation Consortium and Co-Founder, HCL, said India's logistics for both inbound and outbound shipments are not performing well, and the ease of doing business is still lacking. India aims to emerge as an electronics and semiconductor manufacturing nation but the country needs to work and fix its inward and outward logistics says Ajai Chowdhry, Founder of Electronics Products Innovation Consortium and Co-Founder, HCL. While the Government of India's Gati Shakti – the national master plan for multimodal connectivity – can be helpful, there is a lot more desired

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
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Class: 1-BSC CS-B

Date: 9/9/24

The IT industry in India accounted for 7.5% of the country's GDP in the financial year 2023. The industry has played a significant role in India's socio-economic growth, so much so that it could be the future driver of modern India. However, the industry is currently facing a staffing crisis as the number of skilled people entering the workforce is failing to keep pace with demand. Despite this, India remains the largest explorer of IT in the world economy.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
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*News World*

Class: I-BSC-CS-DA

Date: 9/9/24

*TCS North America chairman Suresh Muthuswami quits*

Tata Consultancy Services (TCS), India's largest IT services firm, has announced the departure of Suresh Muthuswami, the chairman of its North American operations. Muthuswami, a veteran TCS executive, has played a pivotal role in driving the company's growth and expansion in the region. During his tenure, TCS significantly enhanced its presence and reputation in North America, securing major deals and forging strategic partnerships. While the reasons for his departure have not been disclosed, Muthuswami's exit marks the end of an era, and TCS will likely seek a new leader to build upon the momentum he helped create in the region.

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DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



Class: || Bsc (cs) -B

Date: 9.09.24

## Artificial intelligence

Look at the pandemic, you want to reduce the number of cases, but at the same time you don't want to have a major economic impact on people's livelihoods. Evolutionary AI is very good at coming up with strategies that give us a balance of multiple outcomes and lets us then choose which balance of outcomes is more interesting to us.

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## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



News World

Class: II B.Sc (CS&DA)

Date: 9/9/24

### Cognizant sues software rival Infosys over trade secrets

Cognizant TriZetto has sued Indian IT service major Infosys in Texas federal court on Friday, accusing the latter of stealing trade secrets related to its healthcare insurance software, as per reports. This comes 8 months after Infosys sent a missive to Cognizant accusing the US-based IT firm of unfair employee poaching.

As per reports, Cognizant said in the lawsuit that Infosys illegally extracted data from its databases and used the same to build a competing software. Comments sought from Cognizant didn't come till the press time, even as an Infosys spokesperson said, "Infosys is aware of the lawsuit. We deny all allegations and will defend our position in the court."

New Jersey-based Cognizant's software includes TriZetto's Facets and QNXT, used by healthcare insurance companies to automate administrative tasks. The reports added that "Infosys misused TriZetto's software to create 'Test Cases for Facets,' which improperly repackaged TriZetto's data into an Infosys product."

Cognizant in the complaint also said that the Bengaluru-based Indian IT major breached the law by creating software to extract data from QNXT that includes confidential TriZetto information and trade secrets.

As monetary damages, Cognizant has asked the court for an unspecified amount, and an order to Infosys to stop misusing its trade secrets.

The development also comes a month after Wipro Ltd and its former chief financial officer Jatin Dalal settled their months-long court case, after Cognizant agreed to pay Dalal about \$0.5 million as settlement payment and reimbursement of his legal fees.

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9/9/24



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(AUTONOMOUS)**



**DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT**



Class: III B.Sc CS – 'B'

Date: 09.09.24

**GOOGLE AI MAKE HEADWAY WITH MATH IN PROGRESS TOWARD  
REASONING**

July 25 - Alphabet's Google unveiled a pair of artificial intelligence systems on Thursday that demonstrated advances in solving complex mathematical problems, a key frontier of generative AI development. The current class of AI models, which work by statistically predicting the next word, have struggled with abstract math, which requires greater reasoning capabilities resembling human intelligence. Deep Mind, the company's AI unit, published results showing that its new AI models in development, called AlphaProof and AlphaGeometry 2, solved four out of six questions at the 2024 International Math Olympiad, a prominent competition for high school students. Google (GOOGLE), opens new tab said in a blog post that one question was solved within minutes, but others took up to three days, longer than the competition's time limit. Still, the results represent the best marks in the competition by an AI system to date.



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9/9/24*

10/19/24



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



*News World*

Class: I BSC CS A

Date: 10/19/24

## IT hiring expected to surge 8.5% by next year with expanding demand: Report

According to the survey, about 70% of all tech jobs currently live on Indeed are across software roles. A survey conducted by recruitment platform Indeed found that IT hiring is set to surge by estimated 8.5% by the next calendar year. Indeed, in the official statement, said that after a slow period late last year and early this year, the demand for skilled IT talent is growing, making it crucial for businesses to plan their hiring strategies for the coming year. According to the survey, about 70% of all tech jobs currently live on Indeed are across software roles. The list of these job postings, is led by application developer role (7.29%), while other roles include software engineer (5.54%), full stack developer (4.34%), senior software engineer (4.22%), PHP developer (2.51%)

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10/9/24



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(AUTONOMOUS)



**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
DBT STAR SPONSORED DEPARTMENT



Class: I-B.SC(CS)-B

Date: 10/9/24

**IT NEWS ABOUT JSW**

**JSW Steel's Share Price:** The share price of JSW Steel has been fluctuating, with a high of ₹939.40 and a low of ₹911.70.

**Net Profit:** The company's consolidated net profit dropped 64.5% to ₹1,299 crore, from ₹3,664 crore in the previous year.

**Revenue:** JSW Steel's revenue increased by 1.73% to ₹429.43 billion.

**Operating Expense:** The company's operating expense increased by 10.14% to ₹99.06 billion

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**SUBMITTED BY**  
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10/9/24



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



News World

Class: I-BSC-CS-DA

Date: 10/9/24

## Margin focus pushes Indian IT firms away from subcontractors

Indian IT firms are increasingly moving away from subcontractors as they sharpen their focus on profit margins. With pricing pressure and intense competition, companies are seeking to optimize costs and maximize efficiency. By reducing their reliance on subcontractors, IT firms aim to retain a larger share of project revenues and improve their bottom line. This shift is also driven by the need for greater control over project delivery and quality, as well as the desire to build stronger direct relationships with clients. As a result, subcontractors are facing a challenging landscape, and IT firms are adapting their business models to stay competitive in a rapidly evolving market.

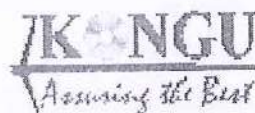
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DHARANEESH M



10/9/24



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



News World

Class: II B.Sc.CS-B

Date: 10/9/24

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The dominance of software roles on Indeed is driven by several interconnected factors. As businesses increasingly depend on software for operational efficiency and innovation, the demand for developers to create and maintain essential systems has surged.

Per Indeed's market analysis, the thriving tech startup ecosystem also plays a significant role, as new ventures prioritize hiring developers to build and scale their products. Lastly, the continuous need for updates, security patches, and new features in existing software ensures a steady demand for skilled professionals who can keep pace with evolving user needs and technological advancements.

Commenting on the study, Sashi Kumar, Head of Sales, Indeed India said, "The IT sector has consistently stood as a major employment powerhouse. However, recent quarters saw a slowdown in hiring, with companies exercising caution as they navigated through global uncertainties and economic shifts. Now, the tide is turning. Companies are actively ramping up their hiring efforts. We can also expect Global Capability Centers (GCCs) to significantly contribute to this uptick in hiring, particularly in software and technological roles."

The study found a strong alignment between the roles companies are posting and the roles job seekers are clicking on. According to Indeed, this shows a strong market trend. The high demand for full stack developers and software engineers from both employers.

*d.s. 10/9/24*  
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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



News World

Class: IIB.Sc (CS&DA)

Date: 10/9/24

### Infosys opens 'Power' programme offering freshers up to Rs 9 lakh a year

As part of the campus placement drive, IT services major Infosys has launched a 'power programme' for colleges with differential hiring, offering packages of up to Rs 9 lakh per annum, two people aware of the development told ET. This is substantially higher than the entry-level fresher pay packages of Rs 3-3.5 lakh offered by the Bengaluru-based company.

"The focus of these categories of hiring is on coding and software challenges, programming skill testing and other specialised skill tests for both tests and interviews," one of the sources said. "For Infosys, these pay packages offered are between Rs 4-6.5 lakh and Rs 9 lakh."

TCS offers salaries in the range of Rs 9-11 lakh per annum under 'Prime', a programme it launched last year. The firm has expanded its scope this year, adding newer technologies such as artificial intelligence (AI), generative AI (GenAI) and machine learning (ML).

TCS now hires freshers under three categories - 'Ninja' that offers packages at around Rs 3.6 lakh, 'Digital' at Rs 7.5 lakh, and 'Prime'. After a lull for almost four quarters, Infosys plans to hire 15,000-20,000 graduates in FY25 while TCS looks to hire approximately 40,000 freshers - consistent with its hiring numbers last year.

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**DIVYA DARSHINI S**



10/9/24



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



Class: III B.Sc Computer Science-A

Date: 10/09/24

### European AI treaty adds uncertainty for CIOs, but few specifics

An AI usage treaty, negotiated by representatives of 57 countries, was unveiled Thursday, but its language is so overarching that it's unclear if enterprise CIOs will need to do anything differently to comply. This mostly European effort adds to a lengthy list of AI global compliance efforts on top of many new legal attempts to govern AI in the United States. In its announcement, the Council of Europe said, "there are serious risks and perils arising from certain activities within the lifecycle of artificial intelligence such as discrimination in a variety of contexts, gender inequality, the undermining of democratic processes, impairing human dignity or individual autonomy, or the misuses of artificial intelligence systems by some States for repressive purposes, in violation of international human rights law."

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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT**



Class: I-B.Sc(CS)-B

Date: 11/9/24

The IT industry in India accounted for 7.5% of the country's GDP in the financial year 2023. The industry has played a significant role in India's socio-economic growth, so much so that it could be the future driver of modern India. However, the industry is currently facing a staffing crisis as the number of skilled people entering the workforce is failing to keep pace with demand. Despite this, India remains the largest explorer of IT in the world economy.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
DBT STAR SPONSORED DEPARTMENT



*News World*

Class: I-BSC-CS-DA

Date: 11/9/24

France's Atos cuts financial targets but says restructuring still on track

French technology company Atos has revised its financial targets for the year, citing challenging market conditions. Despite this setback, the company remains confident that its ongoing restructuring efforts are on track to deliver long-term benefits. Atos aims to transform its business and improve profitability through cost savings, portfolio optimization, and strategic investments. While the reduced targets may indicate short-term headwinds, the company's commitment to its transformation plan suggests a focus on sustainable growth and a stronger future outlook.

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DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



*News World*

Class: II B.Sc CS - A

Date: *11/09/24*

## Accenture To Train 30,000 Staff On Nvidia AI Tech In Blockbuster Deal

The global services powerhouse says its newly formed Nvidia Business Group will focus on driving enterprise adoption of what it called 'agentic AI systems' by taking advantage of key Nvidia software platforms that fuel consumption of GPU-accelerated data centers.

Global services powerhouse Accenture said it will train 30,000 employees on Nvidia's full stack of AI technologies and start a new business group dedicated to the AI computing giant as part of a blockbuster deal between the two behemoths.

Accenture, No. 1 on CRN's 2024 Solution Provider 500 list, announced the expanded partnership on Wednesday and said its newly formed Nvidia Business Group will focus on driving enterprise adoption of what it called "agentic AI systems" by taking advantage of key Nvidia software platforms that fuel consumption of GPU-accelerated data centers.

The power of these announcements cannot be overstated," Accenture Chief AI Officer Lan Guan said in a briefing with journalists and analysts the day before.

Called the "next frontier" of generative AI, these "agentic AI systems" involve an "army of AI agents" that work alongside human workers to "make decisions and execute with precision across even the most complex workflows," according to Guan, a 21-year Accenture veteran. Unlike chatbots such as ChatGPT, these agents do not require prompts from humans, and they are not meant to automating pre-existing business steps.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
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Class: II - Bsc (CS) - "B"

Date: 11/9/24

**AI-Capable PCs Capture 14% of Global Q2 Shipments:** AI-capable PCs have seen a significant increase in shipments, capturing 14% of global Q2 shipments.

**Kubuntu Focus Iridium Laptops Set New Built-for-Linux Standard:** Kubuntu Focus Iridium laptops have set a new standard for built-for-Linux laptops, offering a seamless and efficient user experience.

**Malware-as-a-Service Golden Business for Hackers: Darktrace Report:** A recent report by Darktrace has revealed that malware-as-a-service has become a lucrative business for hackers, with many offering their services on the dark web.

**Database Admins See Brighter Job Prospects Amid IT Challenges:** Despite the challenges facing the IT industry, database administrators are seeing brighter job prospects, with many companies seeking skilled professionals to manage their databases.

**Post-Open Licensing Could Offer Software Devs Funding Alternatives:** Post-open licensing could offer software developers alternative funding options, allowing them to monetize their software while still making it available under an open-source license.

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## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



News World

Class: IIB.Sc (CS&DA)

Date: 11/9/24

### Students seek clarity as Infosys offers two pre-training rounds

Infosys has asked about 1,500 students from the April 2022 batch having offer letters to appear for two rounds of pre-training. Of the total, India's second-largest software services company has given September 2 as the joining date to only about 115 students, while the rest remain in a state of flux about their job prospects.

Hiring worries at Infosys underscore a broader squeeze in recruitment in the technology sector due to factors such as economic uncertainties and increasing automation. Indian IT firms are under pressure from students, public outcry and worker unions over the onboarding delays.

In July, Infosys had called all the selected students for a mandatory virtual pre-training programme for 24 days. Following this, another self-learning module-based pre-training was organised for some students in August which resulted in joining dates allotted to the 115 students. For the remaining students, there is limited clarity on the assessment and confusion of login credentials to some students for the second pre-training round. There have been no rejection letters yet, multiple people in ..

Earlier this month, students received an email from Infosys' recruitment team for a second six-week virtual pre-training starting August 19, which included a self-learning module, followed by an in-person assessment across cities. Further, those who clear the competency tests would be invited to join an in-person immersive training programme.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**

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*News World*

Class: III B.Sc CS - 'B'

Date: 11/9/24

**TATA COMMUNICATION OVERSEAS REVENUES  
CONTINUE TO OUT GROW INDIA CEO**

For the April-June 2024 period, the company reported a 12.78% decline in net profit to Rs332.93 crore for Rs 381.75 crore from a year ago. On-quarter basis the profit was up 3.54% from Rs 321.52 crore posted in the March-end quarter. During the first quarter of fiscal 2025, Tata Communications' income from operations



stood at Rs 5,659.71 crore having increased 14.1% on-year comparison, but decreased 1.55% sequentially Tata Group's telecom, cloud and media arm Tata Communications' overseas revenues have continued to outgrow its India revenues for three consecutive quarters and hold a 58:42 ratio as of end-June 24, chief executive AS Lakshminarayanan told ET.

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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



Class: I BSC.CS - A

Date: 12/9/24

## Microsoft Crash

**Cause of the Crash:** The Microsoft crash was caused by a software bug in an update to an antivirus program. The bug was introduced by CrowdStrike's Falcon Sensor threat-monitoring software, which caused Microsoft's Windows operating system to crash. **Affected Users:** Around 8.5 million devices were affected by the crash, which is less than 1% of Windows machines globally. The affected users experienced a "blue screen of death" error screen. **Affected Sectors:** The crash affected various sectors, including Airlines: American Airlines, Delta Airlines, United Airlines, and other carriers were forced to ground flights. Banks: JPMorgan Chase & Co., Nomura Holdings Inc., and Bank of America Corp were affected. Financial Institutions: The London Stock Exchange experienced a global technical issue. Healthcare: Doctors at the UK's National Health Service couldn't access scans. - TV Channels: Sky News was off the air for some time. **Resolution:** Microsoft and CrowdStrike have developed a scalable solution to address the issue. The affected update has been pulled by CrowdStrike, and customers who are still experiencing issues should reach out to CrowdStrike for additional assistance. **Prevention:** To prevent similar issues in the future, Microsoft and CrowdStrike are working together to improve their software update processes.

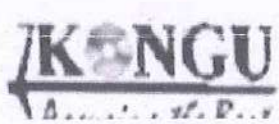
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DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



Class: 1BSc cs-B

Date: 12/09/2024

Tech Mahindra on July 25 reported its Q1FY25 net profit jumped to Rs 851.5 crore, up 23 percent year-on-year and up 29 percent on sequential basis, on low base. Consolidated revenue for the April-June quarter rose 10 percent from the preceding quarter to Rs 13,005.5 crore.

The market capitalisation (mcap) of Tata Consultancy Services (TCS) jumped Rs 30,826.1 crore to Rs 15,87,598.71 crore and that of Bharti Airtel climbed Rs 30,282.99 crore to Rs 8,62,211.38 crore. HDFC Bank's valuation rallied Rs 8,140.69 crore to Rs 12,30,842.03 crore.

The IT industry in India accounted for 7.5% of the country's GDP in the financial year 2023. The industry has played a significant role in India's socio-economic growth, so much so that it could be the future driver of modern India.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
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*News World*

Class: I-BSC-CS-DA

Date: 12/9/24

*Labour Ministry directs Karnataka to investigate delay in fresher onboarding at Infosys:*

The Labour Ministry has instructed the Karnataka government to investigate the cause of the delay in onboarding freshers at Infosys, a leading IT company. The directive comes after reports surfaced of a significant delay in the joining process for new recruits, leaving many awaiting their start dates. The Ministry has asked the state government to look into the matter and identify the reasons behind the holdup, ensuring that the freshers are not unfairly impacted by the delay. This move aims to protect the interests of the new employees and promote fair labor practices in the IT industry.

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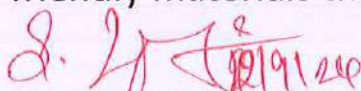
Class: II - Bsc(CS) - B.

Date: 12/9/24

**Extended Reality (XR):** XR, which includes Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR), is increasingly used in training simulations across various industries such as healthcare and aviation. This technology allows for immersive, risk-free training environments that enhance learning and reduce costs.

**Advanced Robotics and Automation:** Robotics is evolving with AI to create machines capable of performing complex tasks autonomously. These robots are being integrated into sectors such as manufacturing, healthcare, and even homes as personal assistants.

**Sustainable Tech:** Environmental responsibility in technology is becoming a significant trend. Innovations in this area focus on reducing electronic waste, improving energy efficiency, and developing eco-friendly materials throughout the tech product lifecycle.

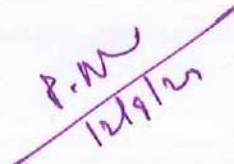
  
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DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



News World

Class: II B.Sc (CS&DA)

Date: 12.09.24


## 65% IT leaders surveyed prioritise cybersecurity, followed by cloud and AI/ML

Of the 37 technology executives who participated in the Deloitte survey, 65 per cent of the respondents claimed cybersecurity to be a priority in terms of preferred technology, followed by cloud computing at 62 per cent and AI/ML at 54 per cent, stated the company's Sprint to Excellence report.

The report said cybersecurity was expected to be the top priority due to the growing reliance on technology. The survey highlighted a rising focus on cybersecurity measures within organisations and across sectors, as they store sensitive data in the cloud and use interconnected systems.

Deepa Seshadri, Partner, and CIO Program Leader, Deloitte India, told *businessline*, "To understand our clients' priorities, we conversed with them while considering that digital transformation has been a priority. From a digital standpoint, there has been growth, but we wanted to see where the focus for these organisations lies in the current 12-18 months timeframe and the next three years. Most respondents see investing in technology as a way to grow because technology has evolved into a business issue." She added that these respondents were some of Deloitte's Fortune 500 clients.

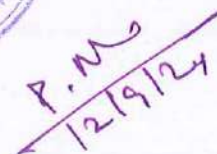
Responses were collected to understand how the technology stack is evolving, changing business models, and required leadership skills.

  
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Class: III - B. Sc CS -A

Date: 12/19/24

**Apple announces 'Apple Intelligence' powered iPhone 16 line-up with new camera array, A18 chip**

For the first time since the iPhone 11, Apple has altered its rear camera arrangement, opting for vertically stacked lenses housed in a capsule-shaped module. This move represents a departure from the diagonal camera configuration that has been a hallmark of previous iPhones, giving the base models a fresh, distinct look. Other design changes include new buttons on the side, most interesting being the new 'Camera Control' that lets you control camera arrays by simply sliding over this button.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
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Class: I BSC CS A

Date: 18.9.24

**India must improve air logistics for electronics and telecom manufacturing, says Ajai Chowdhry**

Ajai Chowdhry, Founder of Electronics Products Innovation Consortium and Co-Founder, HCL, said India's logistics for both inbound and outbound shipments are not performing well, and the ease of doing business is still lacking. India aims to emerge as an electronics and semiconductor manufacturing nation but the country needs to work and fix its inward and outward logistics says Ajai Chowdhry, Founder of Electronics Products Innovation Consortium and Co-Founder, HCL. While the Government of India's Gati Shakti – the national master plan for multimodal connectivity - can be helpful, there is a lot more desired

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(AUTONOMOUS)



**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
DBT STAR SPONSORED DEPARTMENT



Class: I B.SC.(CS)-B

Date: 18.9.24

**Latest news about Zoho :**

Zoho has unveiled its new 'CRM for Everyone' and other enhancements at Zoholics '24.

Zoho's Low-Code Platform is solving rural India's educational dilemma.

Zoho announces early access to CRM for everyone.

Empowering MSMEs: Industry leaders emphasise AI's transformative potential.

Zoho survey reveals that 81% of Indian MSMEs plan to increase their cloud spend in 2025, high cost of software a top hurdle.

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DEPARTMENT OF COMPUTER SCIENCE (UG)  
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News World

Class: I-BSC-CS-DA

Date: 18.9.24

## HCLTech extends 15-year-old partnership with Xerox

HCLTech, a leading global technology company, has extended its 15-year partnership with Xerox, a renowned document technology and services provider. This long-standing collaboration has been instrumental in driving digital transformation and innovation for Xerox's customers worldwide. The extended partnership will focus on delivering cutting-edge solutions and services, including cloud-based document management, cybersecurity, and advanced analytics. By building on their successful history, HCLTech and Xerox will continue to empower businesses to streamline processes, enhance productivity, and unlock new growth opportunities, solidifying their position as leaders in the technology and services landscape.

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DBT STAR SPONSORED DEPARTMENT



Class: II-B.SC.CS-A

Date: 18.9.24

## VIRTUAL REALITY



Virtual Reality or VR is a digitally created 3D environment which is designed to deliver a simulated immersive experience. Users will be able to navigate, perform actions and tasks in this virtual environment. A head mounted device also called as a VR headset is necessary to experience this virtual reality. This device encloses the user's eyes and disconnects them from the real world. This completely immerses them in the virtual environment allowing the user to experience virtual reality. Virtual Reality can provide entertainment, education, training or any type of benefit desired in a specially designed environment. This environment could be an operation theatre, a factory shop floor, an oil platform, compressor deck, pumping station, an engineering lab etc. VR training is more effective than conventional training approaches and helps create a more confident workforce. VR provides simulation solutions that can be used to train personnel in operations, maintenance, safety, emergency response, customer service etc..

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**



DBT STAR SPONSORED DEPARTMENT



Class: II - Bsc (CS) - B

Date: 18.9.24

**Generative AI and Synthetic Media:** Generative AI continues to advance, particularly in creating synthetic media, including deepfakes and AI-generated content. This technology is revolutionizing entertainment, education, and media production but also raises significant ethical concerns. AI's role in cybersecurity is also growing, with sophisticated AI systems increasingly essential for detecting and mitigating cyber threats in real-time.

**Quantum Computing and AI:** Research in quantum computing is advancing, particularly in integrating conventional and quantum internet technologies. This could significantly enhance computing power and data processing capabilities, benefiting areas such as AI, cybersecurity, and complex simulations.

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DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



Class: III BSC CA & DA

Date: 18.9.24

**TCS sets 'conditions' for pay hikes and promotion for its employees.**

### Details inside

Tata Consultancy Services (TCS) has recently outlined specific conditions for pay hikes and promotions within the company. According to the new guidelines, employee compensation and advancement will be closely tied to performance metrics, project outcomes, and skill development. To qualify for a salary increase or promotion, employees must demonstrate exceptional contributions to their roles, meet or exceed their set goals, and engage in continuous professional learning. This approach aims to align rewards with individual and organizational success, ensuring that those who drive significant value to TCS are recognized and advanced accordingly. The company believes this framework will foster a high-performance culture and enhance overall employee motivation.

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DBT STAR SPONSORED DEPARTMENT



Class: 1B.sc CS(A)

Date: 19/9/24

**Source of IT's pain decoded: why clients are pulling back outsourced  
work in-house**

The addressable market for third-party IT services companies is under pressure as more organisations pull their outsourced technology work back in-house. Some of the top Indian software exporters, such as Tata Consultancy Services (TCS), HCLTech, and Cognizant, along with multinationals like Atos, have lost business recently.

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**KONGU ARTS AND SCIENCE COLLEGE**  
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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
DBT STAR SPONSORED DEPARTMENT



Class: I B.SC.cs-B

Date: 19/9/24

**LATEST IT NEWS ABOUT GOOGLE.**

The U.S. technology company first obtained permits in 2020 to construct the vast project in Chile's capital, Santiago [File] | Photo Credit: REUTERS

Google on Tuesday said it would halt plans to develop a major \$200 million data center in Chile to address environmental concerns, a decision reflecting growing worries about the impact of power-thirsty projects around the world.

The U.S. technology company first obtained permits in 2020 to construct the vast project in Chile's capital, Santiago, as demand for the server farms skyrocketed across the globe, fueled by a surge in cloud-based technologies and a craze for generative AI.

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*P.Vijaya Kumar*  
19/9/24





# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



News World

Class: 1<sup>st</sup> B.Sc CS with DA

Date: 19/9/24

## Xoriant makes third acquisition with Jaipur-based Fexle

US-based consulting and IT services firm Xoriant Thursday said it has acquired Jaipur-based Salesforce consulting services firm Fexle to strengthen its capability of delivering artificial intelligence-powered front-end digital engineering platforms. The financial details of the transaction were not disclosed. This is Xoriant's third acquisition since it was majority acquired by Indian private equity major ChrysCapital for \$250 million in January last year. "Established in 2013, Fexle has developed robust expertise in sales, marketing and service cloud, with significant capabilities in data cloud, CPQ, Pardot and Heroku, and is a key contributor to the Salesforce AppExchange," Xoriant said in a statement. "The company provides consulting, implementation and managed services to prominent clients across the US and other global markets".

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19/9/24



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DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



News World

Class: II B.SC (CS)-A

Date 19/9/24

## Adobe introduces new features for Premiere Pro (beta); 3D and motion upgrades to After Effects

Adobe today announced some major improvements and upgrades to its 3D workspace in Adobe After Effects, making it easier for designers and video editors to animate and blend 3D objects with real-world footage and 2D elements. Not just this, Adobe also announced some significant updates to Adobe Premiere Pro (beta), such as a new colour management system and performance improvements, in a bid to streamline video editing workflows. The Adobe After Effects upgrades will make it easier for users to work with 3D models and seamlessly blend them into 2D environments. The software giant has also released a number of new tools and controls to make it easier to design in 3D and 2D at the same time. Moreover, users of After Effects can now animate and composite in 3D. Adobe Substance 3D and Adobe Stock offer endless 3D models, giving designers the freedom to craft their work with embedded animations that are included in their models.

*S. L. 19/9/24*  
STAFF INCHARGE

Ms.S.DEVIPRIYA



SUBMITTED BY

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*19/9/24*



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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT**



Class: II - Bsc (CS) - B  
Date: 19/9/24

The IT industry in India accounted for 7.5% of the country's GDP in the financial year 2023. The industry has played a significant role in India's socio-economic growth, so much so that it could be the future driver of modern India. However, the industry is currently facing a staffing crisis as the number of skilled people entering the workforce is failing to keep pace with demand. Despite this, India remains the largest explorer of IT in the world economy. Future of IT sector in India The future of IT sector in India looks promising, with many opportunities for IT professionals to develop their skills and advance their careers. According to a report by Network Kings, several trends are likely to shape the future of the IT industry in India in the coming years.

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19/9/24



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## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



News World

Class: II B.Sc (CS&DA)

Date: 19/9/24

### Cognizant sues software rival Infosys over trade secrets

Cognizant TriZetto has sued Indian IT service major Infosys in Texas federal court on Friday, accusing the latter of stealing trade secrets related to its healthcare insurance software, as per reports. This comes 8 months after Infosys sent a missive to Cognizant accusing the US-based IT firm of unfair employee poaching.

As per reports, Cognizant said in the lawsuit that Infosys illegally extracted data from its databases and used the same to build a competing software. Comments sought from Cognizant didn't come till the press time, even as an Infosys spokesperson said, "Infosys is aware of the lawsuit. We deny all allegations and will defend our position in the court."

New Jersey-based Cognizant's software includes TriZetto's Facets and QNXT, used by healthcare insurance companies to automate administrative tasks. The reports added that "Infosys misused TriZetto's software to create 'Test Cases for Facets,' which improperly repackaged TriZetto's data into an Infosys product."

Cognizant in the complaint also said that the Bengaluru-based Indian IT major breached the law by creating software to extract data from QNXT that includes confidential TriZetto information and trade secrets.

As monetary damages, Cognizant has asked the court for an unspecified amount, and an order to Infosys to stop misusing its trade secrets.

The development also comes a month after Wipro Ltd and its former chief financial officer Jatin Dalal settled their months-long court case, after Cognizant agreed to pay Dalal about \$0.5 million as settlement payment and reimbursement of his legal fees.

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*19/9/24*



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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
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*News World*

Class: I-BSC CS (DA)

Date: 20/9/24

**India greenlights Chandrayaan-4 and Venus Orbiter Missions :**

India is continuing its big bets on space programs. In a new decision furthering those big bets, the Government has given green light to a suite of space missions in order to herald a new era in the country's space exploration endeavors. Among these projects is the Chandrayaan-4 mission, alongside the Venus Orbiter Mission (VOM) and the Bharatiya Antariksh Station (BAS). The Chandrayaan-4 mission represents a significant milestone in India's space exploration trajectory. With an allocated budget of ₹2,104.06 crore, this mission is designed to develop and validate technologies essential for future manned lunar missions, as well as enable India to achieve its target of landing astronauts on the moon by 2040. The mission will focus on demonstrating technologies required for a successful lunar landing and safe return to Earth. These technologies include docking and undocking procedures, lunar landing systems, and methods for lunar sample collection and analysis.

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20/9/24



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*News World*

Class: II B. Sc(CS)-A

Date: 20.09.2024

**Nvidia discusses joining OpenAI's latest funding round.**

If the discussions move forward, it will mean the three most valuable tech companies are all backing OpenAI. Nvidia Corp, the world's biggest chipmaker, has discussed joining a funding round for OpenAI that would value the artificial intelligence startup at more than \$100 billion, according to people familiar with the matter. Apple Inc and Microsoft Corp also have been in talks about participating in the financing, said the people, who asked not to be identified because the deliberations are private. The round would be led by Thrive Capital, which is investing about \$1 billion, Bloomberg reported earlier this week. Nvidia has discussed investing about \$100 million, two of the people said.

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*20/9/24*



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Class: II - Bsc (CS) - "B"

Date: 20.9.24

Here are some of the latest updates in the IT field :

**Tech and Business:** Amazon announced that it has hired Covariant's founders, along with about a quarter of the startup's employees. Most of the biggest South Korean tech startups intend to pursue public offerings in either South Korea or the United States as part of their exit strategy. A top court in Brazil ordered an immediate, country-wide suspension of the X platform after a months-long legal battle with Elon Musk's social media company over content moderation.

**IT and Security:** A Brazilian court's decision to ban X seems to be benefiting its rivals, especially Bluesky. The rise of AI has consumed the arts, just as it has Silicon Valley, with everyone pondering if AI will replace them. California's legislature just passed AI bill SB 1047, which has drawn the ire of Silicon Valley players large and small.

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20/9/24



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## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



News World

Class: II B.Sc (CS&DA)

Date: 20.09.24

### HCLTech, Wipro see discretionary spends uptick in BFSI sector

Two of the top four Indian IT companies, HCL Tech and Wipro, are seeing an uptick in discretionary spend in banking, financial services and insurance (BFSI) compared to a few months ago, a pleasant surprise for the IT industry. HCLTech told analysts last week about the uptick in discretionary spending in BFSI, even as its other verticals continued to be driven by cost takeout deals.

During the April-June quarter Wipro also saw a spurt in its Capco consulting, which mainly focuses on BFSI clients and discretionary spends.

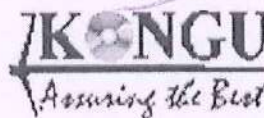
Experts hope the revival of discretionary spending would become widespread in the next two quarters, as they expect a rate cut to happen soon. Clients have already hired consultants to discuss next year's budget and take a call on discretionary spending, analysts told ET.

HSBC Global Research said in a note on HCLTech last week, "There has been some uptick in discretionary spends within banking customers compared to a few months back. Most other verticals are status quo and the demand there is still driven by cost optimisation deals."

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DEPARTMENT OF COMPUTER SCIENCE (UG)  
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News World

Class: I B.Sc CS-A

Date: 23.09.2024

Indian AI talent will play a major role in building apps: Infosys CTO

India's engineering and artificial intelligence talent will play a significant role in the huge volume game of building software applications, Infosys chief technology officer Mohammed Rafee Tarafdar said. Enterprise problems can be solved by creating more use cases, by getting deeper into the techn stack ology to bring swiftness and higher scale for impact, he said.

Speaking with ET, Tarafdar said Infosys, India's second largest homegrown technology services company, is building specialised model solutions by embedding generative AI and AI into its large deals

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
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*News World*

Class: B.Sc. CS with DA

Date: 23/9/24

**Meta says users will be able to place calls to WhatsApp and Messenger using third party apps — but only by 2027**

Meta is bringing in a new notifications feature within both WhatsApp and Messenger, that will inform users about third-party chats. We will remind users each time a new third-party messaging app becomes available. Other convenience options include choosing which third-party apps they want to receive messages from, and how they would like to manage their inbox.

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## DEPARTMENT OF COMPUTER SCIENCE (UG)



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Class: II - Bsc (CS) - B

Date: 23/9/24

The IT field is currently undergoing several transformative changes. Here are some of the key trends as of September 2024:

**Cybersecurity and Governance:** As cybersecurity threats become more complex, there is an increasing focus on governance and structured processes to ensure best practices. Companies are also addressing the shortage of skilled cybersecurity professionals by upskilling existing employees and increasing overall cybersecurity spending.

**Cloud Architecture:** Organizations are moving beyond basic cloud adoption to develop multi-cloud systems and resilient architectures. This shift is critical for supporting advanced digital activities like data management, security automation, and DevOps processes.

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## DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



*News World*

Class: II B.Sc (CS&DA)

Date: 23/9/24

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*News World*

Class: I BSc CS-B

Date: 24/9/24

A global tech outage that was related to a software update by cybersecurity firm CrowdStrike affected nearly 8.5 million Microsoft devices, Microsoft said in a blog on Saturday. "We currently estimate that CrowdStrike's update affected 8.5 million Windows devices, or less than one percent of all Windows machines," it said in the blog. CrowdStrike has helped develop a scalable solution that will help Microsoft's Azure infrastructure accelerate a fix, Microsoft said, adding that the tech giant had worked with both Amazon Web Services and Google Cloud Platform to collaborate on the "most effective approaches."

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*News World*

Class: 1 Bsc CSDA

Date: 24/9/24

**From Quest 3S VR headset to Orion AR glasses: Everything we expect to see at the Meta Connect 2024 event**

Thanks to the affordable price tag, Meta's popularity among AR/VR headsets has skyrocketed, especially after the introduction of Apple Vision Pro. As Meta gears up for its biggest event of the year — Meta Connect 2024, the social media conglomerate is expected to introduce a slew of new hardware products, especially in the AR/VR framework.

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Class:II B.Sc(CS)-A

Date: 24/9/24



India should consider including ICT and semiconductor components in its productivity-linked incentive scheme (PLI) to promote manufacturing in the country, as about 85% of these are currently imported, said Jason Oxman, president, Information Technology Industry Council (ITI).

"The opportunity for India to focus a programme of incentives on the ecosystem in semiconductors and in ICT is a big one," Oxman said, adding that the global industry body has suggested this to the government.

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*News World*

Class: ||-B.Sc CS'B'

Date: 24/9/24

**Here are some of the latest updates in computer technology:**

Artificial intelligence (AI): AI is improving lung cancer diagnosis and sepsis management. AI-driven cybersecurity-as-a-service (CaaS) is also on the rise.

Quantum computing: A new algorithm for solving partial differential equations could help with computer graphics and geometry processing. An unconventional interface superconductor could also benefit quantum computing.

DNA technology: DNA can now be used for both data storage and computing

*S. J. Jan 24/9/24*

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Class: II BSC CSDA

Date: 24.9.24

Microsoft has been rocked by a sophisticated cyberattack orchestrated by a Russian state-sponsored hacking group known as Midnight Blizzard. The breach, disclosed by the tech giant on Friday, saw the infiltration of email accounts belonging to senior leaders within the company, marking a significant escalation in cyber threats against major corporations.

According to statements from the Microsoft Security Response Center, the attack was identified on January 12, 2024, prompting an immediate response to mitigate the threat.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
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Class: III B.SC CS 'A'

Date: 24/9/24

**Tech market values fall on AI costs and recession fears; Eli Lilly, Berkshire gain**

*Sept 2 (Reuters) – Market values of major tech firms declined in August amid concerns over escalating artificial intelligence infrastructure costs and rising recession risks that would make the stocks particularly vulnerable during a market correction.*

*Last month, Alphabet Inc's (GOOGL.O), opens new tab lost 4.7% of its market value as a slowdown in YouTube's advertising sales fuelled concerns about its earnings. A U.S. judge's ruling that Google had violated antitrust laws and the emergence of new competition from OpenAI, which is developing an AI-based search engine prototype, also contributed to its shares' decline.*

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Class: III B.Sc CS – 'B'

Date: 24/9/24

## TAILORING UNIVERSITY ASSESSMENTS IN THE AGE OF CHATGPT

Generative AI tools such as ChatGPT are poised to make far-reaching changes to how we approach writing tasks. Among other things, they'll make some tedious and difficult parts of the writing process easier. Sam Altman, the CEO of OpenAI, has compared the release of ChatGPT to the advent of the calculator. Calculators brought about enormous benefits; ChatGPT will, Altman claims, do the same. Schools have adapted to calculators by changing how math is tested and taught; we now need to do the same for ChatGPT. Rather than comforting us, the parallel with calculators should alert us to the magnitude of the task we face.



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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
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*News World*

Class: I BSC CS (A)

Date: 26/9/24

**In Russia, some crypto miners go underground - literally**

MOSCOW, Sept 24 (Reuters) - Russia's southern republic of Dagestan has called for tougher measures against power-hungry cryptocurrency miners who local officials said were causing electricity outages and seeking to evade the law by building mining installations underground.

Miners of digital coins have come under scrutiny across the world in recent years because the computing power needed to solve the complex puzzles involves specialised hardware which operates around the clock and guzzles electricity.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)**  
DBT STAR SPONSORED DEPARTMENT



*News World*

Class: I BSc CS-B

Date: 26/9/24

Information Technology (IT) is a term that encompasses a broad domain within computing and computer science, including things like computer hardware, software, networking, and security systems that form the backbone of our digital world. IT is something that has its roots embedded in the very basic computing machines of the past like Charles Babbage's Difference Engine. In 2024, IT has evolved into a multidimensional commodity integral to almost every aspect of modern life.

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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
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Class: I BSC CA & DA

Date: 26/9/24

**Tencent likely to sell 2.1% stake in PB Fintech via block deal for Rs 1,610**

**crore: Report**

Tencent has sold a 2.1% stake in PB Fintech, the parent company of Policybazaar, for Rs 1,668 crore via open market transactions <sup>1</sup>. The Chinese tech giant offloaded 97 lakh shares in 15 tranches, amounting to a 2.13% stake in PB Fintech, at an average price of Rs 1,719.75 apiece <sup>1</sup>. This sale reduces Tencent's shareholding in PB Fintech from 4.26% to 2.13% <sup>1</sup>. Various buyers, including SBI Mutual Fund and Societe Generale, purchased the shares <sup>1</sup>.

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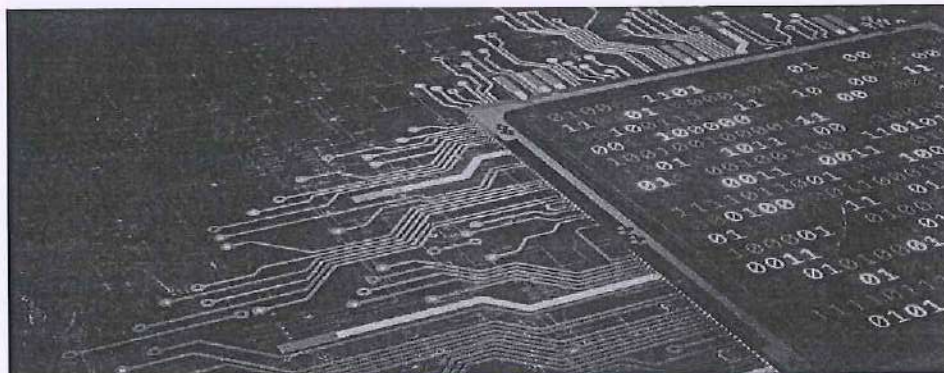
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Class: III BSC CS-A.

Date: 26/9/24

- The wave of layoffs has been continuing in July. However, there is a marginal decrease in the number of people laid off and companies axing jobs compared to June. As of now, 8,383 professionals have been laid off from across 34 companies in the technology sector according to layoffs.fyi, a website that tracks layoffs from around the world in real-time. In 2024, as of July 30, as many as 1,90,049 people have been laid off from 380 companies worldwide.
- July has been dominated by layoffs in the tech sector across India. The month began with the news of microblogging site Koo, an Indian rival to X shutting down after talks over an acquisition by Daily hunt fell through. Reportedly, the company employed close to 200 staff as of September 2021. Indian edtech giant Unacademy announced that it was laying off around 250 of its staff. As part of a restructuring exercise, Unacademy let off 100 people in marketing, business, and product, and around 150 people in sales.



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26/9/24



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Class: III B.Sc CS – 'B'

Date: 26/9/24

**CAPGEMINI FORECASTS SURPRISE REVENUE FALL ON  
NORTH AMERICA WEAKNESS**

French IT consulting firm Capgemini revised its 2024 revenue forecast downward, predicting a fall of 0.5% to 1.5%, mainly due to weak performance in North America. This region saw a 5.4% decline in revenue year-on-year. CEO Aiman Ezzat highlighted challenges in the automotive, aerospace, and financial sectors affecting growth.



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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG)  
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Class: I B.Sc CS A

Date: 30.09.2024

## Infosys to invest Rs 17 crore in IIT M-incubated spacetech startup GalaxEye

Infosys on Thursday said it has agreed to invest in space-tech startup, GalaxEye Space Solutions Pvt Ltd up to Rs 17 crore (approximately \$2 million) as part of Infosys Innovation Fund. The cash investment will involve Infosys picking up a minority stake, less than 20%, as part of the series A round to pick up equity and compulsory convertible preference shares. In August, GalaxEye had announced a fund raise of \$6.5mn as part of the Series A funding led by venture capital (VC) funds Mela Ventures and Speciale Invest. The round also saw participation from drone manufacturer ideaForge, with additional investments from other VCs including Rainmatter, Navam Capital, Faad Capital, and Anicut Capital.

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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT



Class: I BSc(CS)-B

Date: 30/9/24

## TCS SETS 'CONDITIONS' FOR PAY HIKES AND PROMOTION FOR ITS EMPLOYEES.

The directive has specified that employees must adhere to their designated offices, rather than opting for locations closer to their residences.

TCS promotion: Hikes and promotions at TCS, India's largest IT firm, will now be reportedly linked to the firm's recent return-to-office mandate.

The company has also linked variable payouts with this policy. The rule is also applicable to freshers, who have completed assigned courses and are eligible for higher salaries beyond the standard annual compensation of Rs 3 lakh.



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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
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*News World*

Class: I BSc CSDA

Date: 20/9/24

**US nuclear plants won't power up Big Tech's AI ambitions right away**

NEW YORK/WASHINGTON Sept 24 (Reuters) - Constellation Energy (CEG.O), opens new tab and Microsoft (MSFT.O), opens new tab plan to restart the Three Mile Island nuclear plant, hoping they have scored a quick source of enough climate-friendly energy to power rapidly expanding data centers for artificial intelligence (AI).

U.S. power generation capacity through the end of the decade could rise by about 2.4% to 2.7%, according to an analysis of the most recent available U.S. Energy Information Administration (EIA) data, from late 2022. Data center power use is expected to more than double by 2030 to consume about 9% of all the country's electricity.

Tech companies are scrambling to meet a surge in energy demand from data centers to power generative AI. But tapping the nuclear system involves regulatory hurdles, possible supply-chain snags, sometimes stiff local opposition and scrutiny from water authorities concerned about healthy reservoirs.

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*1/9/24*



**KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)**



**DEPARTMENT OF COMPUTER SCIENCE (UG)**



**DBT STAR SPONSORED DEPARTMENT**



Class: II-BSc(CS)-B.

Date: 30/09/2024.

Initially recognized for its software services and outsourcing excellence, the IT industry has evolved to adopt technologies like artificial intelligence (AI), cloud computing, blockchain, and the Internet of Things (IoT). In 2024, India Today reports that these IT roles will be in high demand:

**Data scientists:** Data science drives decision-making and transcends industry boundaries, finding applications across various sectors, including finance, healthcare, and e-commerce. Cities in India such as Bangalore, Delhi, Hyderabad, and Mumbai have emerged as vibrant centers for professionals in this role. As a result, the data science and analytics industry is set to reach \$3.03 billion, with 72,000+ data science job openings in 2024 and 137,500+ by 2025.

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Ms.S.DEVIPRIYA



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**KONGU ARTS AND SCIENCE COLLEGE  
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**DEPARTMENT OF COMPUTER SCIENCE (UG)  
DBT STAR SPONSORED DEPARTMENT**



Class: II B.SC(CS&DA)

Date: 30/9/24

**Crypto hacking thefts double to US\$1.4 billion**

In first half of 2024, researchers say.

The amount of cryptocurrency stolen in hacks globally more than doubled in the first six months of 2024 from a year earlier, driven by a small number of large attacks and rising crypto prices, blockchain researchers TRM Labs said.

Crypto hacking thefts double to US\$1.4 billion

Hackers had stolen more than US\$1.38 billion (\$2.05 billion) worth of crypto by June 24 2024, compared with US\$657 million in the same period in 2023, TRM Labs said in a report.

The median theft was one-and-a-half times larger than the year before, the reports.

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