



KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG)
DBT STAR SPONSORED DEPARTMENT



Class: II BSc CSOA

Date: 1.7.25

Data Centre Investment

India is experiencing a surge in data center investments, with an estimated ₹1.5 lakh crore being injected into the sector. This growth is fueled by the country's increasing digitalization and the growing demand for digital services.


STAFF INCHARGE

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1/7/25



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Class: II B.Sc (CS)

Date: 1.7.25

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.

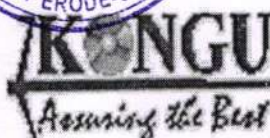
Deepa Seshadri, Partner, and CIO Program Leader, Deloitte India, told *businessline*, "To understand our clients' priorities, we conversed with them while considering that digital transformation has been a priority. From a digital standpoint, there has been growth, but we wanted to see where the focus 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: II BSC CSDA

Date: 1.7.25

OpenAI turns to Google's AI chips to power its products

The ChatGPT maker is one of the largest purchasers of Nvidia's graphics processing units (GPUs), using the AI chips to train models and also for inference computing, a process in which an AI model uses its trained knowledge to make predictions or decisions based on new information


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Date: 1.7.25

Class: III-BSC CS A

Artificial intelligence (AI)

AI news includes a survey indicating India's leading role in generative AI adoption, particularly with AI agents. Bosch, with 1,500 AI patents, is urging Europe to ease regulatory pressure for automated driving sales, potentially reaching €10 billion. A BCG survey also highlights a high adoption rate of generative AI in India, with 17% integration of AI agents. Furthermore, a study suggests that using large language models for research might lead to a weaker understanding of the topic.

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Class: III-BSC CS B

Date: 1.7.25

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.
- 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%).
- According to Indeed, this shows a strong market trend. The high demand for full stack developers and software engineers from both employers and job seekers.

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News World

Class : III-B.sc Computer science
with data analytics

Date : 1. 7. 25

RECENT NEWS IN INFORMATION TECHNOLOGY

Cybersecurity remains a critical concern. The U.S. Department of Homeland Security has issued warnings about potential cyberattacks from Iranian state-sponsored and affiliated hacker groups, urging companies to strengthen their cyber defenses. In parallel, high-profile attacks have emerged in the insurance sector, where a hacker collective known as "Scattered Spider" has employed sophisticated social engineering tactics to breach firms like Aflac and Erie, stealing sensitive information without deploying malware.

Overall, the IT industry is in a pivotal moment, where innovation, resilience, and security are all top priorities. Businesses are not only accelerating their digital transformation efforts but also rethinking how to secure systems and develop talent in a rapidly evolving technological world.

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News World

Class: II BSC.Cs-A

Date: 2.7.25

Samsung Galaxy Z Fold 7 Ultra launching soon globally: 5 big changes that are expected : Samsung is preparing for the launch of its flagship foldable phone, the Galaxy Z Fold 7 Ultra, a phone that promises to bring a range of upgrades. As the phone's debut draws closer, rumors and reports suggest at least 5 big changes we can expect this time around.

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S. S. Devipriya
02/07/2025



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Class: BSc CS -B

Date: 2.7.25

The IT industry is currently experiencing a mixed bag of trends. While global IT spending is projected to increase, there are also significant slowdowns and layoffs in many companies. India's IT sector is projected to grow, with a focus on emerging technologies and increased IT spending. However, the job market is under some stress, with companies becoming more cautious about hiring.

Sectors like sustainable tech, quantum computing, and cybersecurity are poised for significant growth. Green technologies and energy-efficient computing will attract investment, while advancements in quantum computing and blockchain will create new opportunities in their respective fields.


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Class: II BSC (CS&DA)

Date: 2.7.25

OpenAI introduces credit-based costs for 'ChatGPT Enterprise', ending fixed pricing:

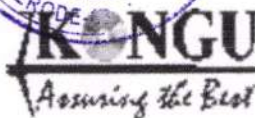
OpenAI has reportedly changed the way it charges businesses for ChatGPT Enterprise. Instead of a fixed monthly or yearly subscription, companies will now buy credits to use advanced features and tools, reports the Wall Street Journal. The new credit system will work like a pay-as-you-go model. In simple terms, under this new model, enterprise customers no longer pay a flat fee. Instead, they purchase usage credits that can be applied toward accessing premium capabilities. This approach allows businesses to scale their spending based on actual demand. Notably, the exact pricing for ChatGPT Enterprise is not publicly disclosed

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Class: III-BSC(CS)-A

Date: 09-07-2025

INDIAN IT BELLWETHER

Indian IT bellwether HCLTech has entered a multi-year strategic collaboration with artificial intelligence (AI) major OpenAI to drive large-scale enterprise adoption of the new-age technology, according to an exchange filing on Monday. With this, HCLTech becomes one of the first strategic services partner of OpenAI.

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Class: III BSC.CS-B

Date: 2.7.25

Posted by TechnoDG on 2 year(s) ago . 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. These technologies are transforming industries by enabling smarter decision-making and automating processes. Freshers should focus on this trend because: High demand for AI/ML skills across various sectors. Opportunities to work on cutting-edge projects.

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Class: III BSc CS - DP

Date: 30/05/2025

Importance of IT:

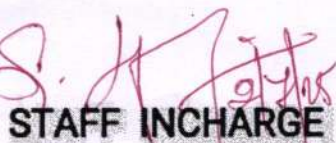
Efficiency and Productivity: IT systems streamline operations and automate tasks, leading to increased efficiency and productivity.

Communication and Collaboration: IT enables global communication and collaboration, facilitating teamwork and information sharing.

Access to Information: IT provides access to vast amounts of information and resources, empowering individuals and organizations.

Economic Growth: IT drives innovation and growth in various industries.

Social Development: IT plays a crucial role in social development by facilitating access to education, healthcare, and other essential services.


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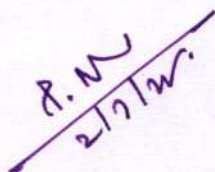
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Class: II BSC.CS-A

Date: 3.7.25

Microsoft says Windows 11 is 2x faster, except they used ancient PCs to benchmark Windows 10:

Microsoft is once again aggressively pushing users to move from Windows 10 to Windows 11. This time, the Redmond firm is boasting that the newer OS is up to 2.3x faster than its predecessor – but fails to mention its deeply flawed testing methodology. Tech giants aren't renowned for their honesty and openness.

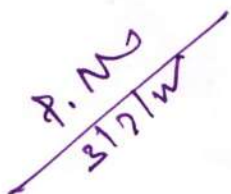

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Class: II B.SC.CS-B

Date: 3.7.25

Latest IT news about HCLTECH:-

Partnerships: HCLTech has partnered with Spanish health insurer ASISA to drive digital transformation across Iberia, and with AMD to develop innovation labs.

Expansion: HCLTech has opened a delivery center at Technopark, expanding its presence in the IT sector.

AI Partnership: HCLTech has expanded its AI partnership with US-based insurer The Standard to deliver AI-powered digital services.

Tender Notices: ELCOT has invited tenders for various projects, including SECNET, Photo Trap camera & Binocular Telescope, and Stationery Materials.

Partial Cancellation of SEZs: ELCOT has sought government approval for partial cancellation of 2.4 hectares out of 80.88 hectares of its IT/ITES zone in Tirunelveli, Tamil Nadu.


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Class: **18 BSCCS DA**

Date: **3.7.28**

Data Centre Investment

India is experiencing a surge in data center investments, with an estimated ₹1.5 lakh crore being injected into the sector. This growth is fueled by the country's increasing digitalization and the growing demand for digital services.


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Class: *111 B.Sc CS -A*

Date: *3.7.25*

Exclusive: Google makes new proposal to stave off EU antitrust fine, document shows

BRUSSELS, July 2 (Reuters) - Google (GOOGL.O), opens new tab has proposed fresh changes to its search results in an attempt to fend off growing criticism from rivals, a week before a key meeting that could lead to yet another EU antitrust fine, according to a document seen by Reuters.

The U.S. tech giant has been under pressure after being hit in March with European Union antitrust charges of unfairly favouring its own services such as Google Shopping, Google Hotels and Google Flights over competitors.

The company, owned by Alphabet, will meet its rivals and the European Commission to discuss its proposals during a July 7-8 workshop in Brussels, the document said.

The EU's landmark Digital Markets Act, under which Google has been charged, sets out a list of dos and don'ts for Big Tech aimed at curbing their power and giving rivals more room to compete and consumers more choice.

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Class: III-Bsc(CS)-B

Date: 3.7.25

The information technology (I.T.) industry in India comprises Information technology services and business process outsourcing.[1] The share of the IT-BPM sector in the GDP of India is 7.4% in FY 2022.[2][3] The IT and BPM industries' revenue is estimated at US\$ 245 Billion in FY 2023.[4][5][6] The domestic revenue of the IT industry is Estimated at \$51 billion, and export revenue is estimated at \$194 billion.


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Class: IIB.Sc (CS&DA)

Date: 3. 7. 25


HCLTech eyes new revenue streams to diversify risks

Billionaire Shiv Nadar-founded IT services firm HCLTech is looking to diversify risks and unlock new revenue streams, by expanding its presence in markets such as India, Africa and the Middle East.

HCLTech outlined its growth strategies to more than 100 analysts who attended an 'Investor Day 2024' meet hosted by the company in Mumbai on Wednesday. The company also highlighted its strength in engineering, research & development (ER&D), and plans to leverage increasing semiconductor demand, expand market participation in focus areas and new frontier markets, and grow within its top current and potential clients, some of the analysts who attended the event said.

"The company wants to tap high-potential regions and expand, amid the ongoing slowdown in the core American markets denting business over the past five-six quarters," one of the analysts said on the condition of anonymity. "HCLTech spoke of improving the mix of verticals and geographies, gaining of market share, organic development of digital skills, its clients' cloud migration activities and inorganic augmentation of capabilities."

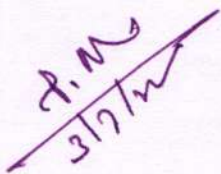
The management showcased its chip-to-cloud offerings and growth areas of financial services; telecom, media & entertainment (TMT); and automotive sectors, alongside capabilities around artificial intelligence, data and cybersecurity to compete with larger rivals Tata Consultancy Services and Infosys. It has set up an AI research team besides its AI and generative AI offerings — AI foundry, AI force and AI labs — and plans to train around 50,000 people in GenAI.


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Class: II B.B.Sc CS - A

Date: 4.7.25

Exclusive: Intel's new CEO explores big shift in chip manufacturing business

Since taking in March, CEO Lip-Bu Tan has moved fast to cut costs and find a new path to revive the ailing U.S. chipmaker. By June, he started voicing that a manufacturing process that prior CEO Pat Gelsinger bet heavily on, known as 18A, was losing its appeal to new customers, said the sources, who spoke on condition of anonymity.

To put aside external sales of 18A and its variant 18A-P, manufacturing processes that have cost Intel billions of dollars to develop, the company would have to take a write-off, one of the people familiar with the matter said. Industry analysts contacted by Reuters said such a charge could amount to a loss of hundreds of millions, if not billions, of dollars.

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Class: II BSc cs-B

Date: 4.7.25

The IT industry has raised concerns with the Indian government around Singapore's new framework for skilled worker visas, saying it could hinder ease of doing business due to the existing skills shortage. The industry has flagged the narrow criteria under the points-based framework, where only eight Indian universities are eligible for points and all nationalities are given equal weightage for diversity assessment, which may not reflect the on-ground realities, industry body Nasscom told ET. It also seeks to expand which roles are listed as being in a 'shortage'.

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Class:II BSC
CSDA

Date:04.07.2025

Google makes new proposal to stave off EU antitrust fine, document shows

Google has proposed fresh changes to its search results in an attempt to fend off growing criticism from rivals, according to a document seen by Reuters. The company, owned by Alphabet, will meet its rivals and the European Commission to discuss its proposals during a July 7-8 workshop in Brussels, the document said. Last week, Google offered to create a box at the top of the search page for a so-called vertical search service (VSS) which would contain links to specialised search engines as well as to hotels, airlines, restaurants and transport services. The latest offer, called Option B, is an alternative to last week's proposal, according to a Google document sent by the Commission to involved parties and seen by Reuters

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Class: III B.Sc CS - A

Date: 4.7.25

Cognizant to create 8,000 jobs with Rs 1,583 crore IT campus in Visakhapatnam

The IT company, Cognizant, is set to establish a world-class IT and ITES campus in Visakhapatnam at an investment of Rs 1,583 crore to generate 8,000 jobs in the next few years, ruling TDP party said.

The state government will allot land to Cognizant at the nominal rate of Rs 99 paisa, said the press release.

"In a major boost to Andhra Pradesh's IT ecosystem, **Cognizant Technology Solutions** is all set to establish a world-class IT/ITES campus in Visakhapatnam with an investment of Rs 1,582.98 crore," said the press release.

Incidentally, Cognizant sought 21.31 acres of land at Kapulauppada under the Visakhapatnam Metropolitan Region Development Authority (VMRDA) for the new IT campus.

9. 28/7/25
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class: III BSC(CS)-B

Date: 4.7.25

Apple has acquired AI startup, Voysis, to enhance its virtual assistant, Siri. Meanwhile, Amazon's AI-powered voice assistant, Alexa, is being integrated into various devices, including cars and smart home appliances. In cybersecurity news, a recent study revealed that phishing attacks have increased by 65% in the past year, highlighting the need for robust security measures. Additionally, Google has launched a new AI-powered tool to help developers build more secure software. Microsoft has also announced a major update to its Azure cloud platform, featuring enhanced AI and machine learning capabilities.

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Class: III B.Sc (CS&DA)

Date: 4.7.25

Apple reduces iPhone prices in India, here are all the new prices

iPhone sales fell on account of a sales decline in its Greater **China region**, which includes Mainland China, Taiwan, Singapore, and Hong Kong, where sales slid 8% year-on-year, due to strong competition from Huawei, according to analysts. Apple chief financial officer, Luca Maestri added that the company also set a six-month revenue record in India, among other **emerging markets**. "We were particularly pleased with our strong momentum in emerging markets, as we set first-half revenue records in several countries and regions including Latin America, the Middle East, India, Indonesia, the Philippines, and Turkey," Maestri said. Cook said that Apple is producing iPhone in India to stay competitive, and the company's growth in the India market is linked to its operational expansion. "From a pragmatic point of view, you need to produce there to be competitive, and so, yes, the two things are linked from that point of view, but we have both operational things going on and we have go to market and initiatives going on," the executive said. He said Apple sees enormous opportunities from the India market, after opening two stores last year. Apple continues to expand its channels and is also working with the developer ecosystem, resulting in a rapid growth in the base of developers.

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Class: II B.Sc CS - A

Date: 5.7.25

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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Class: II BSC CSDA

Date: 5.7.25

IT remains the highest-paying sector in India

India's IT sector leads the salary race, with tech freshers earning up to Rs 28,600 and mid-level professionals taking home nearly Rs 68,900 per month, according to Indeed's PayMap survey. Cities like Hyderabad and Chennai are emerging as top pay hubs, even as most workers feel salaries lag behind rising living costs.

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Class: III B.sc (cs) -A

Date: 5.7.25

Their definition consists of three categories: techniques for processing, the application of statistical and mathematical methods to decision-making, and the simulation of higher-order thinking through computer programs. Based on the storage and processing technologies employed, it is possible to distinguish four distinct phases of IT development: pre-mechanical (3000 BC-1450 AD), mechanical (1450-1840), electromechanical (1840-1940), and electronic (1940 to present).

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

Date: 5.7.25

- ***Vivo V40 series launch***: Vivo is set to launch its V40 series in India this August, following its European debut, with two models: Vivo V40 and Vivo V40 Pro.

- ***OpenAI's SearchGPT***: OpenAI has launched a new prototype, SearchGPT, designed to make web searches faster and more accurate. Combining advanced AI with real-time web data, this tool aims to simplify the search process and provide clear, sourced answers.

- ***Foxconn's expansion in India***: Foxconn is set to expand its operations in India by assembling Apple's iPads at its Sriperumbudur facility in Tamil Nadu. This move is part of Apple's strategy to diversify its production away from China.

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Class: III Bsc (CSDA)

Date: 5.7.25

- **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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SUBMITTED BY
Dharshini .T



P. N. 5/7/25



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



Class: II B.SC(CS)-A

Date: 7.7.25

Top 5 tech and startup stories of the day

Posted by TechnoDG on 8 month(s) ago . 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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Class: II Bsc CS-B

Date: 7.7.25

TCS Q1 order book declines 18% to \$8.3 billion

India's largest IT services company Tata Consultancy Services (TCS) saw a sharp drop in deal wins in the first quarter of FY25 with the order book at \$8.3 billion.

Its total contract value (TCV) for the quarter was 18.6 percent lower from the \$10.2 billion in the year-ago period and 37 percent down from the previous quarter, the company said on July 11.


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Bharath


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DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



News World

Class: II Bsc.CSDA

Date: 7/7/25

TCS, Infosys, Wipro and HCL Tech add \$22 bn in market value in just 2 trading sessions

Wipro rallied as much as 14% on Monday, its biggest intraday gain since July 2020 before paring gains as the surprise revenue beat triggered rating upgrades from some brokerages. HCL Technologies Ltd. surged to a new all-time high, boosted by its forecast for improved revenue growth.

India's top four IT firms, led by Tata Consultancy Services Ltd. and Infosys Ltd., added about \$22 billion in market value in just two trading sessions since Thursday when the earnings season kicked off, according to a Bloomberg report. The sector's sentiment has been further bolstered by a potential revenue rebound and easing global macroeconomic worries.

Wipro rallied as much as 14% on Monday, its biggest intraday gain since July 2020 before paring gains as the surprise revenue beat triggered rating upgrades from some brokerages. HCL Technologies Ltd. surged to a new all-time high, boosted by its forecast for improved revenue growth.


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7/7/25



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DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



Class: III B.Sc CS - A

Date: 7/7/25

AI becoming part of large deals, closure cycles longer: LTIMindtree CEO

Artificial Intelligence, enabled by agentic and **generative AI**, has become a key part of the large deals that **LTIMindtree** is signing, said the **IT services** company's new chief executive and managing director, **Venugopal Lambu**.

AI will help companies deliver more work with less effort, decoupling headcount from revenue growth, he told ET.

LTIMindtree, the country's sixth largest IT services company that reported revenue of \$4.5 billion (about Rs 38,730 crore) in fiscal 2025, typically counts projects that are above \$50 million as large deals.

"There is an immediate cost benefit that clients are asking for through AI. But at the same time, they are also using this opportunity to decide who's going to be my partner for the next five years in the **AI economy**," he said.


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class: III BSC(CS)B

Date: 7/7/24

Quantum Analytics: The EU's move reflects a strategic push to rival American tech dominance and foster home-grown innovation.

Mobile Tech Shake-up: Samsung is betting big on foldables and AI features in phones and wearables, setting a high bar ahead of Apple's rumored Siri overhaul. Wireless Computed Vision: MIT's mmNorm shows emerging intersections of IoT, robotics, and sensing—Wi Fi as a vision tool. AI Integration Race: Apple's pivot demonstrates how major players are still recalibrating AI strategies to keep pace with OpenAI level capabilities.

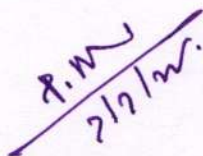

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For Ms.S.DEVI PRIYA



SUBMITTED BY

GAYATHRI.R


7/7/24



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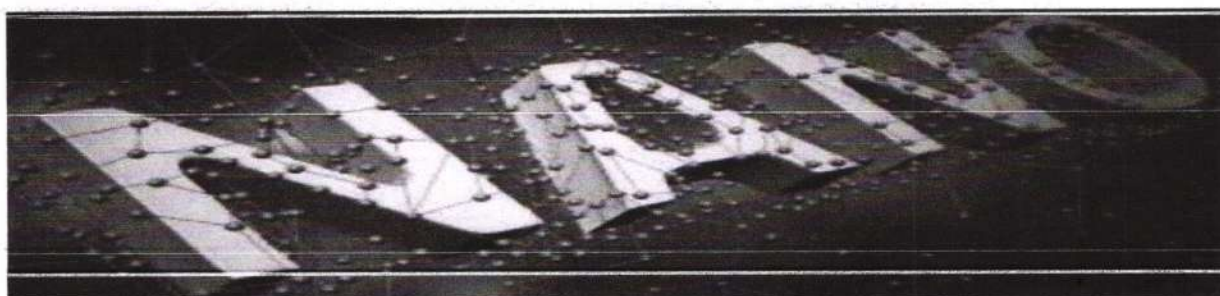
News World

Class: III BSc(CSDA)

Date: 7/7/25

NANOTECHNOLOGY

- Nanotechnology refers to the branch of science and engineering devoted to designing, producing, and using structures, devices, and systems by manipulating atoms and molecules at nanoscale, i.e. having one or more dimensions of the order of 100 nanometres (100 millionth of a millimetre) or less.
- In the natural world, there are many examples of structures with one or more nanometre dimensions, and many technologies have incidentally involved such nanostructures for many years, but only recently has it been possible to do it intentionally.



- It is also used in cosmetics and sunscreens, in textiles, in coatings, in some food and energy technologies, as well as in some medical products and medicines.

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R.SIVASANKARAN

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2/7/25



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Class: II BSc cs-A

Date: 9.7.25

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.

S. A. Jithu
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V. Udayavanan
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



Class: II B.SC(CS)-B

Date: 9.7.25

IT NEWS ABOUT JSW

JSW Steel's Q1 net profit falls 64% due to rising steel imports.

JSW Green Mobility to manufacture electric/hybrid cars in Maharashtra with ₹27,200 crore investment.

JSW Energy's ₹25,000 crore lithium battery project to come up in Nagpur.

JSW Steel aims to expand production capacity to 50 million tonnes per annum by FY31.

JSW Steel's Q1 crude steel production reaches 6.35 million tonnes.


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9/7/25



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DEPARTMENT OF COMPUTER SCIENCE (UG)
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Class: II-Bsc CSDA

Date: 9.7.25

• HP Launches EliteBook Ultra & OmniBook X Copilot+ AI PCs

HP unveiled its most powerful AI PCs aimed at empowering large enterprises, startups, and retail consumers to enable a never before PC experience. The newly launched laptops include the HP EliteBook Ultra and HP OmniBook X, being HP's first Copilot+ PCs. Both laptops are designed and engineered around the Snapdragon® X Elite processor and its dedicated Neural Processing Unit (NPU)6, capable of 45 trillion operations per second (TOPS) to run language models and generative AI locally on the device.

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Class: III B.sc (cs) -A

Date: 9.7.25

Information Distribution Technologies

The term is commonly used as a synonym for computers and computer networks, but it also encompasses other information distribution technologies such as television and telephones. Several products or services within an economy are associated with information technology, including computer hardware, software, electronics, semiconductors, internet, telecom equipment, and e-commerce.

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Class: III B.sc (cs) -B

Date: 9.7.25

Although humans have been storing, retrieving, manipulating, and communicating information since the earliest writing systems were developed, the term information technology in its modern sense first appeared in a 1958 article published in the Harvard Business Review; authors Harold J. Leavitt and Thomas L. Whisler commented that "the new technology does not yet have a single established name. We shall call it information technology (IT).

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Class: III B.Sc CS&DA

Date: 9.7.25

OLA'S FOUNDER DECIDES TO SELL HIS SHARES

Ola Electric founder Bhavish Aggarwal is due to sell almost 38 million shares as part of the offer for sale (OFS), the company said. This is about 20% lower than the 47.4 million share sale indicated in the draft prospectus filed in December 2023.

In Saturday's red herring prospectus (RHP), Ola Electric said its public offering would open for institutional investors a day earlier on Thursday.

The offer for sale (OFS) component has been reduced to just under 85 million shares, as against over 95 million listed in the draft prospectus. However, the fresh issue of shares, via which it plans to raise Rs 5,500 crore, remains unchanged.

S. S. Jithu
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Class: II BSC CS A

Date: 10/7/2022

Tech Mahindra's headcount declines by 3,785 employees in Q3FY25

Tech Mahindra has been on boarding freshers this fiscal year. With a target of hiring more than 6,000 freshers, the company has already added over 2,000 freshers in Q2. In Q1, the company had added about 1,000 freshers.

Speaking at the company's Q3 earnings press conference, Rohit Anand, Chief Financial Officer, Tech Mahindra said, "We are on track, we will add 6,000 people. So probably we will be in a similar range as of Q3. YTD (year-to-date) will be closer to 4,700 odd people from a fresher addition perspective."


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Class: II-BSC(CS)-B

Date: 10/7/2025

IT companies tighten belt as AI, macro headwinds squeeze biz margins

India's leading IT companies are facing the double whammy of persistent macro headwinds and AI-led productivity impact, squeezing margins. The fiscal first quarter showed companies are stretching all internal levers aggressively to protect profits amid slowing large-deal momentum. This includes lowering sales and admin costs, delaying pay hikes, and rejigging bench policies.

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Class: II BSC CSDA

Date: 10/7/2025

HCLTech bags 10-year digital deal from New Zealand's Dunedin city

HCLTech has signed a 10-year strategic partnership with Dunedin City Council (DCC) to modernise and manage the New Zealand city's information technology services to drive digital transformation, better service delivery and community engagement, the Indian IT services major said on July 10, without sharing the financial details.

HCLTech will transform the council's IT services across cybersecurity,

hybrid

cloud, service management, IT asset management and network services, enhancing

support, scalability and security, it said.

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Class: *111.B.Sc C&A*

Date: *10/4/2025*

Mysuru layoffs: Infosys denies using force, intimidation tactics; says cooperating with labour dept

IT services company Infosys on Wednesday said it did not use force or intimidation tactics when it laid off trainees at Mysuru campus over performance-related issues, and that it was explaining the circumstances to the labour department authorities. In an interview to PTI, Shaji Mathew, CHRO at Infosys, however, conceded that assessment failure percentages this time around have been "slightly higher" than in the past but dismissed charges that the tests had been designed for failure.

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News World

Class: III-BSC CS B

Date: 10/07/25

**HCLTech eyes 15% fresher hiring for specialised,
AI roles**

- **HCLTech**, the third-largest Indian **IT services company**, intends to have 15% of fresher hires for specialised and artificial intelligence (AI) roles, said the company's chief people officer, Ram Sundararajan, at the latest post-result conference.
- HCLTech added 1,984 fresher's in the quarter ended June 2025. The company reported a total headcount of 223,151, slightly lower than 223,420 at the end of the March quarter.
- For the first quarter of FY26, HCLTech posted a 10% year-on-year (YoY) decline in consolidated net profit to Rs 3,843 crore, compared with Rs 4,257 crore in the same quarter last year
- The attrition rate for the quarter under review stood at 12.8%, against 13% in the March quarter and 13.2% in the December quarter.

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Class: III B.Sc (CS&DA)

Date: 6/07/25

Students seek clarity as Infosys offers two pre-training rounds

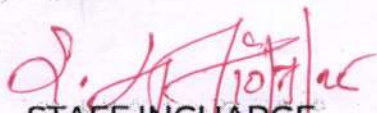
Infosys has asked about 1,500 students from the April 2022 batch having offer letters to appear for two rounds of pre-training. Of the total, India's second-largest software services company has given September 2 as the joining date to only about 115 students, while the rest remain in a state of flux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

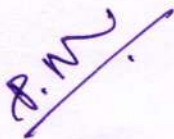
Following this, another self-learning module-based pre-training was organised for some students in August which resulted in joining dates allotted to the 115 students. For the remaining students, there is limited clarity on the assessment and confusion of login credentials to some students for the second 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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News World

Class: II BSC CS A

Date: 11.7.25

Beyond ChatGPT: Shadow AI Risks Lurk in SaaS Tools

Unapproved use of ChatGPT and other generative AI tools is creating a growing cybersecurity blind spot for businesses. As employees adopt these technologies without proper oversight, they may inadvertently expose sensitive data — yet many managers still underestimate the risk and delay implementing third-party defenses.

This type of unsanctioned technology use, known as shadow IT, has long posed security challenges. Now, its AI-driven counterpart — shadow AI — is triggering new concerns among cybersecurity experts.

Melissa Ruzzi, director of AI at SaaS security firm AppOmni, says AI can analyze and extract far more information from data, making it more dangerous than traditional shadow IT.

“In most cases, broader access to data is given to AI compared to shadow IT so that AI can perform its tasks. This increases the potential exposure in the case of a data breach,” she told TechNewsWorld.

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Class: II-Bsc(cs)-B

Date: 11.7.25

The Indian Information and Technology (IT) sector will deliver a mixed performance in the first quarter of Financial Year (FY) 2026, with tier-1 companies likely to post muted revenue growth, while mid-tier firms are set to outperform, according to a report by HDFC Securities.

The report further added that despite ongoing global economic uncertainty and subdued discretionary spending due to US tariff measures and broader macroeconomic challenges, the deterioration in demand has been lower than initially anticipated. This has allowed companies to maintain their full-year FY26 guidance.

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Class: **II B.Sc (CS&DA)**

Date: **11.7.25**

AWS collaborates with ShellKode to train 1 lakh women developers in GenAI

As per the company's statement, the partnership will pair aspiring women developers with experienced Gen AI mentors, who will provide them with personalized guidance, career advice, and a supportive network. This includes facilitating networking events, seminars, and fostering vibrant online communities where they can connect with each other and industry professionals.

"EmpowerHer isn't just a program, it's a revolution. We're empowering a generation of aspiring developers, particularly women, with the cutting-edge tools and knowledge of AI to transform India's innovation landscape and shape the future of enterprise," said Arun Kumar, CEO of ShellKode.

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11/7/25



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Class: III-B Sc(CS)-A

Date: 11.7.28

**MICROSOFT'S NEXT-GEN AI CHIP PRODUCTION
DELAYED TO 2026**



- Microsoft had hoped to use the Braga chip in its data centers this year, the report said, adding that unanticipated changes to its design, staffing constraints and high turnover were contributing to the delay.
- Microsoft did not immediately respond to a Reuters request for comment.
- Like its Big Tech peers, Microsoft has focused heavily on developing custom processors for artificial intelligence operations and general purpose applications, a move that would help reduce the tech giant's reliance on pricey Nvidia chips.
- Cloud rivals Amazon ([AMZN.O](#)), [opens new tab](#) and Alphabet's ([GOOGL.O](#)), [opens new tab](#) Google have both raced to develop chips in-house, customized for their specific needs with the goal of improving performance and reducing costs.

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Ms.S.DEVIPRIYA



SUBMITTED BY

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11/7/28



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DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



Class: III B.SC CS B

Date: 11.7.25

- **Google's Gemini CLI:**
 - Google has released Gemini CLI, a free, open-source AI agentic tool for developers.
- **WhatsApp AI Summaries:**
 - WhatsApp is now providing AI-generated summaries for unread messages, making it easier to catch up on missed conversations.
- **EU AI Act Pause:**
 - A tech lobby group is advocating for a pause in the implementation of the EU's AI Act, citing concerns about its potential impact.
- **Tesla Robotaxi Issues:**

Tesla's robotaxi is encountering problems with driving mistakes during testing in Texas.
- **Microsoft and OpenAI:**

A report suggests that Microsoft and OpenAI are in a competitive dynamic regarding the development of artificial general intelligence.
- **Other Notable Items:**

Nvidia is experiencing a record high, analysts predict an AI "Golden Wave", and Getty has dropped its copyright claims against Stability AI in a UK lawsuit.

P. S. Devipriya
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Ms.S.DEVIPRIYA



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Class: III B.Sc CS DA

Date: 11.7.25

Why IT needs framework for responsible agentic AI

The IT industry needs to come up with standards and frameworks for the responsible deployment of agentic artificial intelligence, as this technology can carry out tasks autonomously with minimal human oversight, experts and senior executives of companies such as Infosys and Tech Mahindra told ET.

Agentic AI, the next frontier after Generative AI, is seen as a large opportunity for the industry as it can boost efficiencies significantly. But the risks and stakes are higher as these agents influence real-time decisions, executives said. Unintended outcomes could be "potentially perilous", demanding stronger safeguards to enable deployment at scale, they added.


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Class: *ii-Bsc(Cu)-A*

Date: *15/7/25*

Infosys mass layoffs complaint referred to Karnataka's labour ministry

The central government's Ministry of Labour and Employment on Thursday directed Karnataka's labour ministry to take "urgent" action to resolve a complaint that has accused IT firm Infosys of illegally terminating trainees. Meanwhile, Karnataka's labour department officials visited Infosys' campuses in Bengaluru and Mysuru to assess the situation following reports of the termination of trainees. The officials held discussions with company representatives on its hiring and training processes and the business projections leading to the terminations, said people aware of the development. They have taken stock of the matter and will put together an assessment report with the findings in the next few days, these people said.

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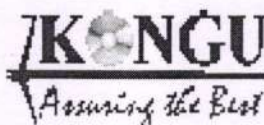
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Class: ||-BSC CS-B

Date: 15.7.25

Indian IT sector to see mixed Q1FY26 performance; mid-tier firms to outpace tier-1: The Indian Information and Technology (IT) sector will deliver a mixed performance in the first quarter of Financial Year (FY) 2026, with tier-1 companies likely to post muted revenue growth, while mid-tier firms are set to outperform, according to a report by HDFC Securities.

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15/7/25
For STAFF INCHARGE

Ms.S.DEVIPRIYA



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S.HARSIKA



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Class:II BSC CSDA

Date: 15/07/25

AI drives Alphabet's Q2'25 revenue up by 14%, beats estimates

Google parent Alphabet disclosed its financial performance for the second quarter of the year, revealing a record total revenue of \$96.42 billion for the three months ending June 2025. This represents a 14% increment when compared to the \$84.7 billion generated in the second quarter of 2024. The company's operating income for the recent quarter stood at \$31.27 billion, with net income recorded at \$28.19 billion, an improvement over \$23.62 billion reported in the same quarter of the preceding year. The company's diluted EPS for the quarter amounted to \$2.31.



S. H. Jithu
STAFF INCHARGE

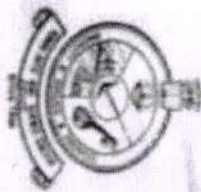
Ms.S.DEVIPRIYA

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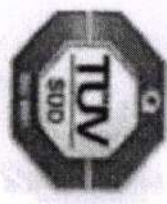
KAVIYA.V

S. M.
15/7/25

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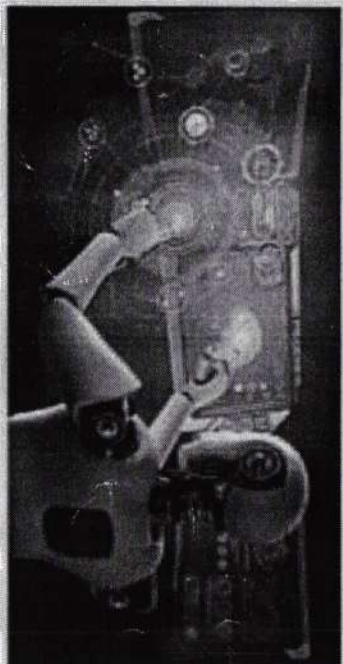


News World

Date: *15/7/25*

Class: *iii-Bac(CS)-A*

Artificial Intelligence



Artificial Intelligence (AI) has become a technological reality for businesses and organizations across industries. In 2019, AI adoption among larger and companies as increased by 47% compared to 2018, according to the latest Artificial Intelligence Index report. AI has made its way into many enterprise applications, including customer relationship management software, there is recruiting services, workforce productivity, and resources planning tools. To better understand the state of AI, let's take a closer look at the role AI play in business and in many people's lives even as we speak.

Ms. S. Devipriya
STAFF INCHARGE

For **Ms.S.Devipriya**



SUBMITTED BY

M.Keerthiga

M.Keerthiga
15/7/25



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Class: 15-7-25

Date: 11- Bsc (CS)-B

Bloomberg Terminal technology

The Bloomberg Terminal is built to work the way you do: fast and smart. Our integrated service is designed to deliver rich data across market sectors and workflows through one unified system that connects you to the data, news, analytics, and people you need to make fast, effective decisions.



For STAFF INCHARGE
Ms.S.DEVIPRIYA



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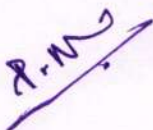
Class: III - BSC (CSDA)
Date: 15/07/25

Infosys mass layoffs complaint referred to Karnataka's labour ministry

The central government's Ministry of Labour and Employment on Thursday directed Karnataka's labour ministry to take "urgent" action to resolve a complaint that has accused IT firm Infosys of illegally terminating trainees. Meanwhile, Karnataka's labour department officials visited Infosys' campuses in Bengaluru and Mysuru to assess the situation following reports of the termination of trainees. The officials held discussions with company representatives on its hiring and training processes and the business projections leading to the terminations, said people aware of the development. They have taken stock of the matter and will put together an assessment report with the findings in the next few days, these people said.


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Class: II - Bsc(Ces) - A

Date: 16.7.25

TSMC second-quarter profit seen jumping 30% on surging AI chip demand

Taiwan Semiconductor Manufacturing Co (TSMC), the world's largest contract chipmaker is set to report a net profit of T\$236.1 billion (\$7.25 billion) for the quarter that ended June 30, according to a LSEG Smart Estimate drawn from 20 analysts. TSMC customer includes Apple and Nvidia. TSMC is spending billions building new factories overseas as well.

Taiwan Semiconductor Manufacturing Co, the main producer of advanced chips used in artificial intelligence applications, is expected to report a 30% rise in second-quarter profit on Thursday thanks to soaring demand.


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

Date: 16.7.25

The latest updates about Accenture:

Accenture's Q1FY26 Earnings: Accenture reported a 6% growth in June quarter net profit at Rs 12,760 crore, exceeding market expectations.

Dividend Announcement : The company declared an interim dividend of Rs 11 per share for FY 2025-26, with the record date set for July 16 and payment scheduled for August 4, 2025.

Market Valuation : The combined market valuation of eight of the top 10 valued firms, including Accenture, eroded by Rs 2.07 lakh crore last week.


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16/7/25



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Class: II - B.Sc., CS DA

Date : 16.7.25

➤ What's New in AI?

AI Overview

Recent advancements in AI include the rise of intelligent process automation, increased focus on cyber security, personalized services, automated AI development, and the convergence of IoT and AI. Also, AI is rapidly advancing in areas like healthcare, transportation, and energy.

1. **Intelligent Process Automation (IPA):** AI is being used to automate more complex business processes, moving beyond simple tasks to handle workflows, data analysis, and even customer interactions.
2. **Cyber security:** AI is playing a crucial role in enhancing cyber security by improving threat detection, data breach prevention, and security analytics.
3. **Personalized Services:** AI is enabling more personalized experiences in various sectors, including recommendation systems, targeted advertising, and tailored healthcare solutions.

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Class: III B.sc (cs) -A

Date: 16.7.25

Their definition consists of three categories: techniques for processing, the application of statistical and mathematical methods to decision-making, and the simulation of higher-order thinking through computer programs. Based on the storage and processing technologies employed, it is possible to distinguish four distinct phases of IT development: pre-mechanical (3000 BC-1450 AD), mechanical (1450-1840), electromechanical (1840-1940), and electronic (1940 to present).

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Class: III-Bsc(CS)-B

Date: 16.7.25

MICROSOFT LISTS FEATURES

Customizable Lists: Create lists from scratch or use predefined templates to track specific activities, such as project tasks, inventory management, or event planning.

Integration with Microsoft 365 Tools: Seamlessly integrates with Microsoft tools like SharePoint, Teams, and Power Platform to enhance collaboration and productivity.

Multiple Views: Offers various views, including grid, list, gallery, and calendar, to help manage and track data effectively.

Advanced Customization: Allows users to add custom columns, set up conditional formatting, and automate workflows using Power Automate.

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Class: III B.Sc.CS-DA

Date: 16.7.25

A Seattle-based startup, Phaidra, has raised \$12 million to enhance its AI-driven "virtual plant operator" technology, which aims to optimize industrial operations. This investment, led by Index Ventures, highlights the growing interest in AI solutions for industrial efficiency (GeekWire).

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Class: III B.Sc (CS&DA)

Date: 17.7.25

HCLTech eyes new revenue streams to diversify risks

Billionaire Shiv Nadar-founded IT services firm HCLTech is looking to diversify risks and unlock new revenue streams, by expanding its presence in markets such as India, Africa and the Middle East.

HCLTech outlined its growth strategies to more than 100 analysts who attended an 'Investor Day 2024' meet hosted by the company in Mumbai on Wednesday. The company also highlighted its strength in engineering, research & development (ER&D), and plans to leverage increasing semiconductor demand, expand market participation in focus areas and new frontier markets, and grow within its top current and potential clients, some of the analysts who attended the event said.

"The company wants to tap high-potential regions and expand, amid the ongoing slowdown in the core American markets denting business over the past five-six quarters," one of the analysts said on the condition of anonymity. "HCLTech spoke of improving the mix of verticals and geographies, gaining of market share, organic development of digital skills, its clients' cloud migration activities and inorganic augmentation of capabilities."

The management showcased its chip-to-cloud offerings and growth areas of financial services; telecom, media & entertainment (TMT); and automotive sectors, alongside capabilities around artificial intelligence, data and cybersecurity to compete with larger rivals Tata Consultancy Services and Infosys. It has set up an AI research team besides its AI and generative AI offerings — AI foundry, AI force and AI labs — and plans to train around 50,000 people in GenAI.


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Class: II B.SC.CS-B

Date: 17.7.25

LATEST IT NEWS ABOUT TESLA:-

Tesla launched its first Indian Experience Centre on July 15, 2025, at BKC, Mumbai.

Five imported Model Y cars are on display, with digital configurators for customers.

The company leased a 24,500 sq ft service centre at Lodha Logistics Park, Kurla West.

This space supports diagnostics, spares, and IT systems for after-sales operations.

Tesla is hiring Prototype Vehicle Operators in Mumbai to collect Autopilot training data.

Around 15 - 20 IT and support roles are open, including software and ERP positions.

There are no manufacturing plans yet; vehicles are being imported initially.

Tesla's Mumbai expansion strengthens its tech and customer base in India.

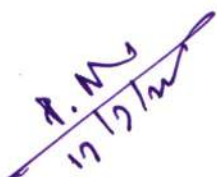

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Class: **II BSC CS(DA)**

Date: **17.7.25**

PROMPT ENGINEERS WANTED TECH COMPANIES HUNT FOR PEOPLE WHO SPEAK THE AI LANGUAGE:

The demand for AI prompt engineers has gone up by 300% on a year-on-year basis. This comes on the back of rapid adoption of generative AI technologies such as ChatGPT, DALL-E, and other large language models (LLMs)," said Jaideep Kewalramani, COO at TeamLease Edtech. In the last six months alone, 18,000-22,000 new roles were created in the segment according to hiring firm TeamLease. Typically, college graduates with basic English language proficiency are bagging entry level jobs, while engineers with AI and machine learning certification can demand compensation of around Rs 20 lakh annually, recruiters said. At the entry level, prompt engineers could be paid around Rs 4 lakh per annum, they added.

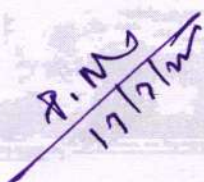

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Class: III-B Sc(CS)-A

Date: 17.7.25

HOW IS CHATGPT AFFECTING IT EMPLOYEES' JOBS?



- ❖ While some believe that AI technology can replace humans at their jobs, some think it could only help make work easier for humans
- ❖ With AI chatbot, ChatGPT, going viral, and Generative AI now being the buzzword everywhere, its effect of making job roles redundant is still contested.
- ❖ While some believe that newer technology can replace humans at their jobs, some think it could only help make work easier for humans.

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Class: III-Bsc(CS)-B

Date: 17.7.25

THE UPCOMING RESULTS AND OTHER NEWS FOR INFOSYS

Upcoming Results:

Infosys will announce its first quarter results on July 23, 2025.

Other News:

Infosys has been positioned as a Leader in the 2024 Gartner Magic Quadrant for Public Cloud IT Transformation Services for the second consecutive year. Infosys has been recognized among the 2025 World's Most Ethical Companies by Ethisphere for the fifth consecutive year.

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Class: III-B Sc(CS)-DA

Date: 17.7.25

THE SILENT COLLAPSE OF ENTRY-LEVEL IT JOBS IN INDIA



- While global capability centres (GCCs) continue to expand their footprint and evolve into innovation hubs, traditional Indian IT firms—such as Infosys, TCS, and Wipro—appear to be on the back foot.
- With delayed fresher onboarding, limited salary hikes, and shrinking profit margins, their longstanding dependency on L1 roles has perhaps become a liability in today's rapidly evolving tech landscape.
- "Unfortunately, for the last three years, fresher engineers have not got the jobs they're looking for from services companies," Neeti Sharma, CEO at Team Lease Digital, told AIM.
- This trend signals more than just job shifts; it reveals a rising premium on domain depth and system-level thinking, and the obsolescence of roles that lack those competencies.

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Class: II - B Sc (cs) - A

Date: 18.7.25

Microsoft enhances Copilot with new voice and reasoning features

Microsoft has now brought a host of updates to Copilot – its generative AI companion. “Copilot will be there for you, in your corner, by your side and always strongly aligned with your interests. It understands the context of your life, while safeguarding your privacy, data and security, remembering the details that are most helpful in any situation.

It gives you access to a universe of knowledge, simplifying and decluttering the daily barrage of information, and offering support and encouragement when you want it,” the company announced in a blog post.

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Class: II B.SC.CS-B

Date: 18.7.25

Latest IT news about TCS:-

Q1FY26 Earnings: TCS reported a 6% growth in June quarter net profit at Rs 12,760 crore, exceeding market expectations. However, the revenue growth was tepid, with a 1.3% increase to Rs 63,437 crore.

Share Price: TCS shares declined over 3% post Q1FY26 earnings announcement, trading at Rs 3268.20 apiece.

Dividend: The company declared an interim dividend of Rs 11 per share for FY 2025-26, with the record date set for July 16 and payment scheduled for August 4, 2025.

Market Valuation: The combined market valuation of eight of the top 10 valued firms, including TCS, eroded by Rs 2.07 lakh crore last week.

IT Sector Performance: The Nifty IT index closed 1.78% down at 37693.25, with TCS being one of the worst-hit stocks.

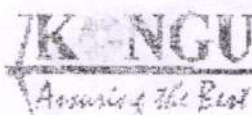
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**SUBMITTED BY
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P.M. 18/7/25





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News World

Class: *IP- BSC (CS DA)*

Date: *18.7.25*

IT's fresher hiring may double in FY25 on demand rebound

This optimism is driven by increasing demand in business, particularly in the banking, financial services, and insurance (BFSI) segment—the largest vertical for most IT firms—as well as strong large deal wins and global expansion by IT majors, experts say.

“FY2024 saw the lowest intake of freshers in the IT sector since 2000. However, FY2025 is expected to witness a significant rebound, with a potential 100% year-on-year (YoY) growth, surpassing 150,000 entry-level hires,” said Kapil Joshi, Deputy CEO at Quess IT Staffing. This is in contrast to the approximately 60,000 net hires recorded by the \$250 billion technology services industry in FY24.

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Class: III-Bsc(CS)-"A"

Date: 18.7.25

Digital Forensics

Digital forensics is the process of identifying, preserving, analyzing, and presenting digital evidence in a manner that is legally sound and admissible in court. It involves recovering data from various digital devices, such as computers, smartphones, and other electronic devices, to investigate cybercrimes, security breaches, or other incidents. The goal is to reconstruct events, identify perpetrators, and provide evidence for legal proceedings.

Key aspects of digital forensics:

Identification:

-> Locating and identifying potential digital evidence.

Preservation:

-> Ensuring the integrity of the evidence by preventing alteration or deletion.



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Class: III-Bsc(CS)-B

Date: 18.7.25

RECENT COLLABORATIONS AND NEW LAUNCHES FOR INFOSYS

Recent Collaboration:

Infosys has collaborated with Melbourne Archdiocese Catholic Schools to drive network-wide digital transformation. Infosys and zooplus have partnered to enhance service capability and scalability. Infosys and Siemens AG have expanded their collaboration to accelerate digital learning initiatives with generative AI.

New Launches:

Infosys has launched over 200 enterprise AI agents powered by Infosys Topaz AI offerings and Google Cloud's Vertex AI Platform. Infosys Finacle has unveiled a new asset liability management solution for enhanced risk and exposure oversight.


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Class: III B.Sc (CS&DA)

Date: 18.7.25

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: I BSc(cs-A)

Date: 26/07/25

Google Launches AI Search Tools for Students in India

Google has rolled out new **AI-based search features** and Gemini Pro access for students. It allows natural conversations, smart voice replies, and personalized learning tips. Gemini 2.5 offers free advanced tools to Indian learners for better knowledge access. This move is part of Google's broader plan to democratize AI tools. Students can now interact with search as if chatting with an assistant. AI in education is becoming more practical and accessible. Google is racing ahead in **AI-driven education platforms**.


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Class: I BSC(CS):- B

Date: 21/07/25

SYMPTOMS OF 6G

- India's draft telecom policy aims to attract significant investments, create jobs, and drive innovation in next-generation technologies like 6G. The policy envisions India as a global leader in telecom products and services.

Tech Giants and AI

- Google has launched eight free AI courses to boost career growth without requiring coding skills. GitHub's Spark AI feature allows users to create apps without coding Which makes the app development more simpler and it is not a treat for app developers it was a key for simple computing.

S. S. Devipriya
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DEPARTMENT OF COMPUTER SCIENCE (UG)
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Class: **I-BSC CS (DA)**

Date: **21/07/25**

HR firms log an uptick in TCS staffers hunting for job

Executive search firms and recruitment services companies said they are already seeing an uptick in queries and resumes from employees of Tata Consultancy Services, India's IT services market leader that on Sunday announced a mass layoff.

Executives at companies like Transearch, CIEL HR and Michael Page told ET that they have been getting queries even before Sunday's announcement, as many were expecting an imminent job cut. TCS said it would lay off 2% of its workforce, or more than 12,000 employees, in the middle and senior levels in fiscal 2026. While the company did not provide details, experts expect the actual job losses to be more than the numbers announced.


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News World

Class: II-BSC.CS-A

Date: 21/07/2025

Spinal cord stimulators for back pain linked to high costs and reintervention risk: University of Sydney study : A new study by the University of Sydney has found that surgically implanted spinal cord stimulators, used to treat lower back pain, are associated with high costs and a significant risk of reintervention surgery. The findings, published in the Medical Journal of Australia, suggest one in four patients who undergo spinal cord stimulator implantation require further invasive surgery, mostly within three years of the initial procedure.

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News World

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

Date: 21.7.25

Tata Technologies is significantly expanding its Software-Defined Vehicle (SDV) offerings, driven by the automotive industry's shift towards software and electronics. The company highlights strong global demand for SDV engineers and is focusing on the Indian market due to challenges faced by Western OEMs in China.

Product engineering and digital services firm Tata Technologies said it is doubling down on its Software-Defined Vehicle (SDV) offerings as global automakers shift research and development (R&D) priorities from mechanical components to software and electronics to drive in-car innovation.

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Class: II- Bsc(CSWHRDA)

Date: 21.07.25

TechM's operating margin expanded to 8.5% from 7.4% in the previous quarter and 6.8% a year earlier. "For TechM, we are more stable and more settled to a new organisation structure. That allows us to take better opportunities (from the market). Market is more or less the same, maybe it has improved from a year ago," managing director and chief executive Mohit Joshi said. Three business segments – manufacturing (6.4%), retail, transport & logistics (4.9%) and healthcare & life sciences (6.1%) – posted growth. But in its largest vertical, communications, revenue fell 9.9% on year and 1.9% sequentially. Also, the segment's market share declined to 33.1% from 34% the previous quarter. In the Banking, financial services & insurance vertical, revenue fell 1.2% year on-year but was marginally up at 0.7% from the previous quarter.


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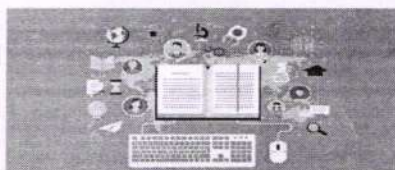


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Class: III-B. Sc. Cs-'A'

Date: 21.7.25



COMPUTER SYSTEMS

This job, also known as system architect, demands an understanding of both IT and business systems. As with many information technology careers, the typical background for the job is a bachelor's degree in a computer or information science field, but some people come to this work after studying business or even liberal arts. Strong computer skills, often including programming tools, database management software and development environment software are a must.

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Class: III B.Sc (CS&DA)

Date: 21.7.25

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

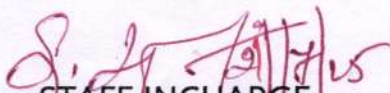
Continuing its deal-win momentum in the UK, IT behemoth Tata Consultancy Services (TCS) on Thursday extended its partnership with international fashion retailer, Primark. Under the leadership of K Krithivasan, TCS has sealed at least three billion-dollar deals in the UK market.

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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SUBMITTED BY
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2-14/25



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Class: III-Bsc(CS)-B

Date: 21.7.25

RECENT COLLABORATIONS AND NEW LAUNCHES FOR INFOSYS

Recent Collaboration:

Infosys has collaborated with Melbourne Archdiocese Catholic Schools to drive network-wide digital transformation. Infosys and zooplus have partnered to enhance service capability and scalability. Infosys and Siemens AG have expanded their collaboration to accelerate digital learning initiatives with generative AI.

New Launches:

Infosys has launched over 200 enterprise AI agents powered by Infosys Topaz AI offerings and Google Cloud's Vertex AI Platform. Infosys Finacle has unveiled a new asset liability management solution for enhanced risk and exposure oversight.


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NVIDIA'S VISION FOR AI FUTURES

NVIDIA CEO Jensen Huang emphasized the shift from software to "Reasoning AI" and "Physical AI," urging today's students to dive into physical sciences. He believes these areas will power breakthroughs in robotics capable of solving real-world challenges like labor shortages .

2. Google's Free Gemini AI Pro for Students

Google is offering Indian college students a complimentary one-year subscription to Gemini AI Pro—worth ₹1,950—to assist with academic work and learning

AI Chatbots Transforming Colleges

A Financial Times report delves into the impact of chatbots (like ChatGPT) in higher education—exploring bans, curriculum integration, and new academic norms such as submitting AI prompts. Universities are grappling with balancing technology benefits against potential downsides like plagiarism and cognitive dependence

3. NASA Opens 1,200+ Software Tools

NASA has released an open software catalog featuring over 1,200 tools—free for download. These resources aim to spur innovation and support development in the growing space economy

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22/7/25





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Class: ~~MIT~~ B.Sc (CS&IT)

Date: 22.7.25

HCLTech eyes new revenue streams to diversify risks

Billionaire Shiv Nadar-founded IT services firm HCLTech is looking to diversify risks and unlock new revenue streams, by expanding its presence in markets such as India, Africa and the Middle East.

HCLTech outlined its growth strategies to more than 100 analysts who attended an 'Investor Day 2024' meet hosted by the company in Mumbai on Wednesday. The company also highlighted its strength in engineering, research & development (ER&D), and plans to leverage increasing semiconductor demand, expand market participation in focus areas and new frontier markets, and grow within its top current and potential clients, some of the analysts who attended the event said.

"The company wants to tap high-potential regions and expand, amid the ongoing slowdown in the core American markets denting business over the past five-six quarters," one of the analysts said on the condition of anonymity. "HCLTech spoke of improving the mix of verticals and geographies, gaining of market share, organic development of digital skills, its clients' cloud migration activities and inorganic augmentation of capabilities."

The management showcased its chip-to-cloud offerings and growth areas of financial services; telecom, media & entertainment (TMT); and automotive sectors, alongside capabilities around artificial intelligence, data and cybersecurity to compete with larger rivals Tata Consultancy Services and Infosys. It has set up an AI research team besides its AI and generative AI offerings — AI foundry, AI force and AI labs — and plans to train around 50,000 people in GenAI.

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Class:I-Bsc(CS WITH DA)

Date: 22.7.25

TOP 2 TECHNOLOGY IN WIPRO

Artificial Intelligence (AI):Wipro has been leveraging AI-infused technologies to empower clients and drive business value. They have developed AI-driven platforms like Wipro HOLMES, which focuses on automation and intelligent solutions. Wipro also prioritizes responsible AI practices, ensuring that their AI solutions are not only innovative but also ethical and sustainable.

Cloud Computing:Wipro provides cloud computing services, helping businesses integrate and leverage cloud technologies to drive digital transformation and innovation. Their cloud solutions enable clients to enhance operational efficiency, scalability, and flexibility, ultimately leading to improved business outcomes.

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Class: II - Bsc(cs) - A

Date: 22.7.25

Google to bring new theft protection features for Android users

The new anti-theft features have on-the-nose names – Theft Detection Lock, Offline Device Lock, and Remote Lock – and leverage AI to function. For now, the new features will be rolled out to Android users in a phased manner. These features are compatible with Android devices running Android 10 or higher, while Remote Lock requires at least Android 5. Users need to ensure that they have the latest version of Google Play Services installed, and can search for “Theft protection” in their device’s Settings app.

Google is adding more security to Android – this time, the tech titan is rolling out a suite of theft protection features. These new features come a few months after they initially teased, and will be providing Android users will more to stop unauthorized access to their information.


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Class: IT - Bsc(CS) - B

Date: 22.7.25

IT flags Singapore's new skilled visa framework

The industry has flagged the narrow criteria under the points-based framework, where only eight Indian universities are eligible for points and all nationalities are given equal weightage for diversity assessment, which may not reflect the on-ground realities, industry body Nasscom told ET. It also seeks to expand which roles are listed as being in a 'shortage'.

The new framework is set to be implemented in September for visa revalidations. Starting September 1, those applying for visa renewals will have to earn at least 40 points under the new Complementarity Assessment Framework (COMPASS), on top of meeting the qualifying salary, to get an Employment Pass (EP) to work in Singapore.

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Class: II - BSC(CS DA)

Date: 22.7.25

**Tech Mahindra Q1 Results: Profit jumps 23% YoY
to Rs 851 crore, misses estimates**



TECH MAHINDRA Q1 EARNINGS

Tech Mahindra reported a 23% year-on-year growth in consolidated net profit to Rs 851 crore for the June quarter, slightly below the expected Rs 892 crore. Revenue from operations declined 1% YoY to Rs 13,005 crore. Sequentially, profit after tax rose by 28% and revenue increased by 1%.

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

Date: 22.7.25

AI becoming part of large deals, closure cycles longer:
LTIMindtree CEO

LTIMindtree is integrating AI, including agentic and generative AI, into its large deals, although these deals have a longer closure cycle. CEO Venugopal Lambu emphasizes that AI adoption will decouple headcount from revenue growth as companies achieve more with less effort. The company is also focusing on vendor consolidation, new growth areas, and skilling its workforce for the AI-driven future.

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Class: III-BSC CS B

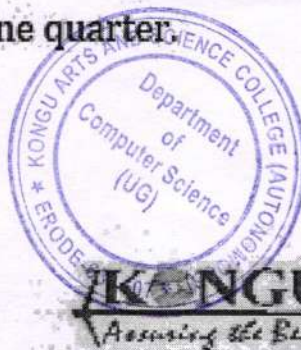
Date: 22.7.25

TCS employees on the edge as co's new benching policy completes first cycle:

- the first 35-day cycle under **Tata Consultancy Services' (TCS)** new bench policy ends on Thursday, thousands of benched employees are staring at uncertainty, with many taking to social platforms to voice their anxiety.
- The IT industry is also bracing for the impact of artificial intelligence (AI) automating most of its repetitive tasks.
- The company's employee cost reached an all-time high of Rs 37,715 crore in the first quarter ended June. It now constitutes 59.45% of its revenue, even as attrition remains high at 13.8%, data showed.
- The country's third-largest IT player HCL Technologies, too, took an unexpected hit on its margins because its employee utilisation went down during the June quarter.

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Class: III B.Sc (CS&DA)

Date: 22.7.25

News World

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

Date: 23.7.25

Quantum - Resistant Cryptography

- **Google Cloud Introduces Quantum-Safe Signatures:** Google Cloud has implemented quantum-safe digital signatures in its Cloud Key Management Service (Cloud KMS), aiming to protect sensitive data against future quantum computing threats.
- **ETSI Releases New Post-Quantum Cryptographic Standard:** The European Telecommunications Standards Institute (ETSI) has introduced "Covercrypt," a quantum-resistant standard designed to secure data against both current and future quantum attacks.

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Class: I-BSc(CS)-B

Date: 23.7.25

Cyber security firm Artic Wolf opens first India GCC in Bengaluru

US-based cyber security firm, Arctic Wolf Tuesday announced the launch of its first Indian Global Capability Centre (GCC) in Bengaluru. The US-based firm plans to recruit 150 employees by mid-2025, especially in roles related to core R&D areas like threat intelligence and artificial intelligence (AI).

With Bengaluru emerging as a global hub for technology and cybersecurity expertise, the centre will drive innovation and product development, and enhance the company's security operations platform. With this expansion, the firm stands to benefit from around-the-clock development capabilities and closer proximity to clients in the Asia-Pacific (APAC) region, said the firm in a statement.

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Class: I - BSc(CS & DA)

Date: 23.7.25

IT firm UST to add over 3,000 jobs in Kochi centre

IT services firm UST said on Monday that it is expanding its presence in India by adding more than 3,000 new jobs at its upcoming Kochi campus in the next five years. It has set a target of 6,000 employees, up from the current level of 2,800, in the next five years at the centre. The firm will inaugurate its second campus in Kochi by December 2027, it said in a statement.

The company laid the foundation stone for the new Kochi campus that is coming up on a 9-acre land at Infopark Kochi Phase 2 and the new UST campus will be completed in three years.

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Class: II BSC CS A

Date: 23.7.25

Wipro Q1 net profit up 11% to Rs 3,337 crore, revenue flat

The Bengaluru-based company posted a net profit of Rs 3,336.5 crore on revenue of Rs 22,134.6 crore in the quarter ended June 30.

Wipro faced a compression in business in all geographies of Europe, Americas 2 and APMEA (Asia Pacific, Middle East and Africa) and business verticals such as banking, financial services & insurance and consumer in the April-June period compared with the prior quarter.

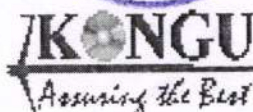
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Class: II B.SC.CS-B

Date: 23.7.25

Microsoft closes its Pakistan office after 25 years

Tech giant Microsoft has announced it will shut down its limited operations in Pakistan as part of its global strategy to reduce its workforce

Tech giant Microsoft has announced it will shut down its limited operations in Pakistan as part of its global strategy to reduce its workforce, which various stakeholders termed on Friday as a "troubling sign" for the country's economy.

Microsoft, while closing its office in Pakistan on Thursday after 25 years, cited global restructuring and a shift to a cloud-based,

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Class: II BSC CSDA

Date: 23.7.25

Samsung's Launch Timeline for First Tri-Fold Smartphone Leaked;

Tipster Hints at New Name

Samsung's inaugural tri-fold smartphone is now expected to debut by the End of 2025. While earlier reports indicated that it might be called the Samsung Galaxy G Fold, a fresh leak suggests a different name for the Handset. It is tipped to sport a large 9.96-inch display when fully unfolded, And it may be equipped with a silicon-carbon battery. A separate leak Indicates the possible launch timeline of the tri-fold phone.

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News World

Class: III – B.Sc CS – 'A'

Date: 23.7.25

HCLTech collaborates with OpenAI to drive enterprise AI adoption

Indian IT bellwether HCLTech has entered a multi-year strategic Indian collaboration with artificial intelligence (AI) major OpenAI to drive large-scale enterprise adoption of the new-age technology, according to an exchange filing on Monday. With this, HCLTech becomes one of the first strategic services partner of OpenAI.

This collaboration will allow HCLTech's clients to leverage OpenAI's products, alongside with the former's foundational and applied AI offerings for rapid and scaled GenAI deployment. HCLTech will embed OpenAI's models and solutions across its industry offerings, capabilities and proprietary platforms, including AI Force, AI Foundry, AI Engineering and industry-specific AI accelerators.

HCLTech will also roll out ChatGPT Enterprise and OpenAI APIs for its employees.

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Class: III-BSCCS)-B

Date: 23.7.25

IT exports are projected to reach \$210 billion in the 2024-25 financial year, representing 18% of global IT outsourcing spending.

Overall IT spending in India is forecast to increase by 11.2% to nearly \$160 billion in 2025.

Job opportunities in the IT sector are anticipated to grow by 15-20% across various Industries.


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Class: III B.Sc (CS&DA)

Date: 23.7.25

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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Sethuram C



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23/7/25



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Class: I BSc(cs) -A

Date: 24.7.25

Kluisz.ai – Building India's AI Cloud from the Ground Up

Kluisz.ai is a **deep-tech Indian startup** creating secure private cloud infrastructure for AI. It raised **\$9.6 million in seed funding**, backed by RTP Global and Unicorn India Ventures. The company helps enterprises run **Generative AI models on private cloud platforms**. With growing concerns around **data privacy and control**, its solution is in high demand. Kluisz is building enterprise-grade systems for scalable, secure AI deployment. It taps into the booming demand for **AI compute infrastructure in emerging markets**. Kluisz is quickly becoming a **regional leader in AI infrastructure innovation**.

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Class: I – BSC.CS(B)

DATE: 24.7.25

MICROSOFT REPORT ABOUT CHINESE HACKERS

- ❖ Microsoft reported Chinese hackers exploiting a SharePoint vulnerability, urging users to apply security patches. Meta declined to sign the EU's AI Code of Practice, raising concerns about AI governance. Google acquired key talent from Windsurf, outpacing OpenAI in a multi-billion dollar deal. OpenAI is set to release an AI-powered browser soon, aiming to challenge Chrome. Meanwhile, AI advancements continue, with reports of upcoming models like GPT-5 and Claude 4.5, alongside xAI's Grok 4 exceeding expectations. Cybersecurity remains a focus, with Microsoft patching 130 flaws, including a potentially wormable bug.

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Class:I-Bsc(CS WITH DA)

Date: 24.7.25

TCS LATEST UPDATE

Ranked Among Top 20 Global Technology Brands:TCS has been ranked among the top 20 global technology brands in the Brand Finance Tech 100 2025 list, solidifying its position as a leader in the tech industry.

Delay in Employee Salary Hikes:Due to global economic uncertainty and tariff concerns, TCS has decided to defer employee salary hikes, initially scheduled for April 2025. However, the company will maintain quarterly variable payouts and continue campus hiring, planning to recruit approximately 42,000 fresh graduates in FY26.

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Class: II BSC CS A

Date: 24.7.25

HCLTech bags 10-year digital deal from New Zealand's Dunedin city

HCLTech has signed a 10-year strategic partnership with Dunedin City Council (DCC) to modernise and manage the New Zealand city's information technology services to drive digital transformation, better service delivery and community engagement, the Indian IT services major said on July 10, without sharing the financial details.

HCLTech will transform the council's IT services across cybersecurity, hybrid cloud, service management, IT asset management and network services, enhancing support, scalability and security, it said.


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News World

Class: II BSC.CS-B

Date: 24.7.25

GTA Online update bring bonus rewards, US Independence Day items, and more : American video game publisher, Rockstar Games, has rolled out a fresh update to GTA Online this week in celebration of the US Independence Day, offering players in-game bonuses, limited-time cosmetics, and a wide range of vehicle and property discounts. The update is now live and runs through July 9. As part of this week's changes, players can earn 4X in-game currency (GTA\$) and reputation points (RP) for participating in Land Races.

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Class: II B.Sc (CS&DA)

Date: 24.7.25

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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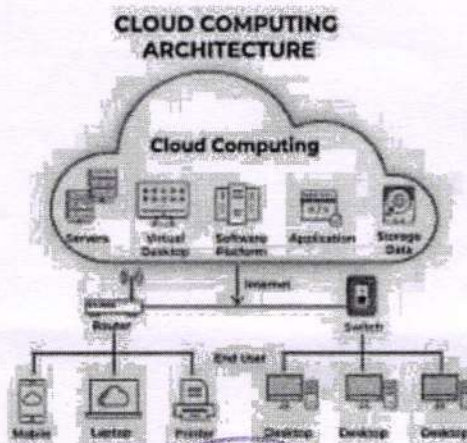


Class:III Bsc(CS) A

Date: 24.7.25

CLOUD COMPUTING

Cloud computing is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the internet ("the cloud"). It enables on-demand access to resources with pay-as-you-go pricing, allowing users to avoid the expense and complexity of managing their own physical infrastructure.



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



Class: III-BSC CS B

Date: 24.7.25

**HCLTech eyes 15% fresher hiring for specialised,
AI roles**

- **HCLTech**, the third-largest Indian **IT services company**, intends to have 15% of fresher hires for specialised and artificial intelligence (AI) roles, said the company's chief people officer, Ram Sundararajan, at the latest post-result conference.
- HCLTech added 1,984 fresher's in the quarter ended June 2025. The company reported a total headcount of 223,151, slightly lower than 223,420 at the end of the March quarter.
- For the first quarter of FY26, HCLTech posted a 10% year-on-year (YoY) decline in consolidated net profit to Rs 3,843 crore, compared with Rs 4,257 crore in the same quarter last year.
- The attrition rate for the quarter under review stood at 12.8%, against 13% in the March quarter and 13.2% in the December quarter.

S. J. 24/7/25
STAFF INCHARGE

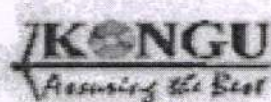
Ms S DEVIPRIYA



SUBMITTED BY

MADHUREENA . L

R.W.
24/7/25





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Class: III B.Sc (CS&DA)

Date: 24.7.25

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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K.H.Rithesh Dharan



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Class: I BSc(cs) -A

Date: 25.7.25

Diode Computers – Automating Hardware Design with AI

Diode Computers is a US-based startup that designs **AI-powered printed circuit boards (PCBs)**. It recently raised **\$11.4 million in Series A funding** led by Andreessen Horowitz. The startup uses **language models and reinforcement learning** to speed up PCB design.

This drastically reduces development time—from **weeks to just days**.

Diode aims to revolutionize industries like **robotics, aerospace, and medical tech**. Its goal is to make PCB design as seamless as writing code in the cloud. Diode is a rising star showing how **AI is transforming even the hardware sector**.

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Class: **BSC.CS & DA**

Date: **25.7.25**

Cybersecurity Alerts & Regulations

SharePoint Server Zero-Day Alert

Microsoft issued a critical warning: attackers are actively exploiting vulnerabilities in on-prem SharePoint servers to steal cryptographic keys and execute commands. Patches are now available for newer versions, with SharePoint 2016 support forthcoming. CISA identified the exploit as a serious zero-day incident .

UK Curbs Ransomware Payments

The UK introduced laws prohibiting public-sector and critical infrastructure organizations from paying ransoms, requiring other businesses to obtain government approval. The move targets the double-extortion ransomware model .

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News World

Class: II-BSC.CS-A

Date: 25.7.25

Tata Sons plans \$400-mn fund infusion into struggling e-commerce biz

Tata Digital: Tata Sons, the holding company at the helm of the \$100-billion Tata group, is preparing to inject a crucial dose of capital worth \$400 million into Tata Digital, the conglomerate's digital commerce arm, Tata Digital, people aware of the group's plans told Moneycontrol. The digital business—which comprises of consumer platforms like BigBasket, Tata 1mg, and Tata Cliq—will be funded from Tata Sons' dividend haul from Tata Consultancy Services (TCS), the sources said.

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Class: II B.SC.CS-B

Date: 25.7.25

Latest news about Cognizant:

Job Creation: Cognizant is set to create 8,000 jobs with its new IT campus in Visakhapatnam, investing Rs 1,582.98 crore. The Andhra Pradesh government will allot 21.31 acres for just 99 paise, with operations expected to begin by March 2029.

AI Impact: Cognizant CEO Ravi Kumar believes AI will create more jobs for freshers, citing a 37% productivity improvement among junior developers at the company.

Legal Battle: Cognizant is involved in a legal battle with Infosys, accused of anti-competitive practices in the US healthcare IT market. Infosys has also named two Cognizant executives in an antitrust case.

Investment: Recognize Partners, an investment firm co-founded by Cognizant's ex-CEO Francisco D'Souza, has raised \$1.7 billion for its second fund.

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Class:II BSC
CSDA

Date: 25/07/2025

Infosys expands tech ties with Australia's Telstra

Infosys on Monday announced the expansion of its existing collaboration with Telstra, Australia's leading telecommunications and technology company. Infosys will serve as the strategic partner for Telstra International- the global arm of Telstra- to advance technology leadership, drive innovation, and support Telstra's new Connected Future 30 initiative, according to an official release. Infosys will adopt an **AI-first approach** to modernise and streamline critical systems for Telstra International, aimed at enhancing connectivity, driving business growth, and accelerating AI adoption.

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25/7/25



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Augusteen Samuel



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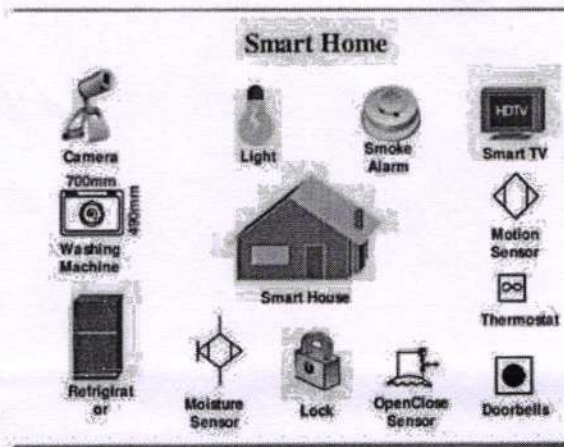
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Class:III Bsc(CS) A
Date: 25.7.25

INTERNET OF THINGS

IoT devices are physical objects embedded with sensors, software, and other technologies that connect and exchange data with other devices and systems over the internet or other networks. They range from simple smart home devices to complex industrial machinery and are transforming how we live and work by enabling automation, remote monitoring and data-driven insights.



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Class: III B.SC CS 'B'

Date: 25.7.25

- **Update your drivers**

Driver updates can improve device functionality, extend the life of your computer, and boost security.

- **Meta Smart Glasses :**

Mark Zuckerberg teased Meta smart glasses with Oakley, potentially revolutionizing augmented reality.

- **AI Video Generation :**

Perplexity AI launched a real-time video generator with sound and speech, while Mid journey debuted an AI video tool to animate images.

- **DataBricks Agent brick :**

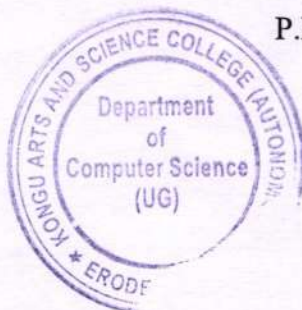
It has launched agentbricks ,a toolset for building domain specific AI agent Enhancing enterprises AI presence.

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P.M. 25/7/25



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Class: III B.Sc (CS&DA)

Date: 25.7.25

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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Class: **IB.SC (CS) -A**

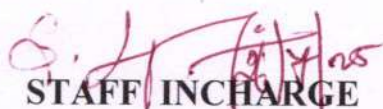
Date: **26.7.25**

1). UK's Cyber security Legislation Advances:

The UK government is progressing with the Cyber Security and Resilience Bill, aiming to strengthen the nation's cyber defenses and resilience to hostile attacks. The legislation will expand existing regulations, increase reporting requirements, and enhance oversight to protect critical infrastructure and digital features.

2). Microsoft warns businesses of a major server hack:

A single hacker reportedly compromised Microsoft server software, potentially affecting thousands of firms worldwide .


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26/7/25



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Class: I BSc(cs) -B.

Date: 26.7.25

Composio – Automating Workflows with Agentic AI

Composio is a US-based startup building agentic AI to automate complex business workflows. It recently raised **\$25 million**, led by Lightspeed Venture Partners, bringing its total funding to \$29 million. The company uses autonomous AI agents that can carry out multi-step tasks with minimal human input. Composio's tools are used by businesses to streamline operations like onboarding and invoicing. It's backed by Elevation Capital and angel investors like Gokul Rajaram and Dharmesh Shah. Composio is leading the way in **AI-powered enterprise automation** for 2025.

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Class: I - Bsc (CSDA)
Date: 26.7.25

OPEN AI

OpenAI has continued an aggressive expansion trend:

- . Raised \$40 billion in early April 2025
- . Acquired Windsurf (formerly Codeium) for ~\$3 billion and AI hardware startup io for \$6.5 billion
- Started renting Google TPU clusters and secured a \$200 million U.S. DoD contract All moves strengthen its AI ecosystem and prepare for a poten*

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Class: II-BSC.CS-A

Date: 26.7.25

ChatGPT: Everything you need to know about the AI-powered chatbot: ChatGPT, OpenAI 's text-generating AI chatbot, has taken the world by storm since its launch in November 2022. What started as a tool to supercharge productivity through writing essays and code with short text prompts has evolved into a behemoth with 300 million weekly active users. 2024 was a big year for OpenAI, from its partnership with Apple for its generative AI offering, Apple Intelligence, the release of GPT-4o with voice capabilities, and the highly-anticipated launch of its text-to-video model Sora.

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Class: II B.SC.CS-B

Date: 26.7.25

Latest news about HCLTech:-

The company's profit dropped 9.73% to Rs 3,843 crore compared to the same quarter last year . However, its revenue from operations increased by 8.17% to Rs 30,349 crore.

In terms of revenue growth, HCLTech reported a 3.7% year-over-year (YoY) growth in constant currency (CC), with its services business growing 4.5% YoY in CC . The company also won new deals worth \$1.8 billion in the quarter.

HCLTech's CEO, C Vijayakumar, stated that the company's AI offerings are gaining traction with clients, and its partnership with OpenAI will further enhance its AI capabilities.


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Class: II-BSC CS(DA)

Date: 26.7.25

AI DRIVES ALPHABET'S Q2'25 REVENUE UP BY 14%, BEATS ESTIMATES

Google parent Alphabet disclosed its financial performance for the second quarter of the year, revealing a record total revenue of \$96.42 billion for the three months ending June 2025. This represents a 14% increment when compared to the \$84.7 billion generated in the second quarter of 2024. The company's operating income for the recent quarter stood at \$31.27 billion, with net income recorded at \$28.19 billion, an improvement over \$23.62 billion reported in the same quarter of the preceding year. The company's diluted EPS for the quarter amounted to \$2.31.

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Class: III.B.SC.CS-A

Date: 26.7.25

Bizzaro Devs

Bizarro Devs is one my favorite newsletters out there not only because it's our own side project (curated by our word juggler, Chris Fitzgerald) but also because it provides a collection articles, tools, and websites. Even though it says "devs", it's not entirely for developers; you can still enjoy this newsletter because it features all kinds topics while remaining in the technology range. So don't worry if you're not a dev, it has links that non-coders will love too. We release Bizarro Devs weekly, so expect it every Thursday with unusual, unique, and inspiring.


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SUBMITTED BY

M.SHARMISHTA



26/7/25



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News World



Class: III-BSC CS B

Date 26.7.25

AI-assisted coding is the way to go when hiring graduates:

- For fresher's or entry-level graduates will have artificial intelligence or AI-assisted coding as part of the improvised assessment as the correlation between revenue and headcount growth becomes more de-linear, said chief executive officer (CEO) of the sixth-largest Indian IT company.
- They added 1,600 fresher's this quarter and we are going to add more throughout this year as well.
- Reliance on fresher's by building a pyramid-style organisation structure has been key for the over-\$283-billion outsourcing industry's services delivery model.
- The company announced its largest deal with a US-based client worth \$450 million in the first quarter.

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Class: III B.Sc (CS&DA)

Date: 26.7.25

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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News World



Class: I BSC CS - A

Date: 28-07-2025

India & Regional tech highlights

****Fusion AI summit in vishakapatnam (july 25-26)****

Andhra Pradesh is hosting a major AI focused summit titled "Training AI potential into action", featuring experts in generative AI, edge AI, decentralized AI and more. The aim is to establish the state among India's top three AI hubs by 2030.

. Google AI mode now available in India

Google has expanded its experimental AI mode in search to all users without needing sign-up. It provides enhanced responses via text, voice and lens, aiding in research and complex queries. This rollout aims to improve user access to AI-powered tools across India, especially in education, productivity, and everyday problem solving.



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Class: I BSC CS B

Date: 28/7/2025

Satellite-AI combo takes off: NASA and ISRO are preparing to launch NISAR, a 1.5 billion dollar dual frequency radar satellite on July 30. It'll map Earth's surface changes every 12 days, aiding science, climate monitoring and disaster response.

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Class: **I-BSc(CS) -DA**

Date: **28.7.25**

Ex-Open AI researcher to start new company focused on AI teaching assistants

The new venture launched by a founding member of OpenAI could potentially compete with the likes of Khan Academy. Andrej Karpathy, an OpenAI cofounder and former Tesla executive, said that he is starting his own AI education company that would focus on developing personalised AI teaching assistants for students on-demand. The company is called Eureka Labs and is based out of San Francisco.

It was registered as an LLC in Delaware, US, according to a report by TechCrunch. Based on Karpathy's post on X, it appears that Eureka Labs will build AI teaching assistants that will work together with human teachers. "The teacher still designs the course materials, but they are supported, leveraged and scaled with an AI Teaching Assistant who is optimized to help guide the students through them.

This Teacher + AI symbiosis could run an entire curriculum of courses on a common platform," Karpathy said. However, before it is able to ship AI teaching assistants to classrooms, Eureka Labs is looking to launch its first product called LLM101n. It is an undergraduate course for those interested to learn about training their own AI models and will reportedly be a small-scale version of what Eureka Labs aims to do.

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Class: II BSC CS-B

Date: 28.7.25

Elon Musk-led consortium offers \$97.4Bn to take control of OpenAI, Altman responds

Elon Musk and a group of investors have made a \$97.4 billion offer to buy OpenAI's controlling non-profit entity. The bid was submitted to OpenAI's board, according to a report by WSJ. However, neither OpenAI nor Musk has publicly commented on it yet. The situation is significant because Musk (who is also leading this consortium of investors) and OpenAI's CEO, Sam Altman, have a history of conflicts.



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Class: II- BSC.CS-A

Date: 28.7.25

Microsoft adds 'Desktop Share' to Copilot Vision on Windows for real-time AI assistance :Microsoft is rolling out a new Desktop Share feature to Windows Insiders for its Copilot app on Windows, expanding the capabilities of its AI assistant to offer more hands-on, real-time help.The update, available via the Microsoft Store, enables Copilot to see what's on a user's screen, offering insights, answering questions, and even coaching through complex tasks like photo editing or navigating unfamiliar software.

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Class: III-BSC-CS-B

Date: 28.7.25

In the broader AI and tech landscape, several advancements are shaping the industry. OpenAI has introduced GPT-4.5, with enhanced capabilities, while Google's AI video tool, Veo 3, is making waves in the European market. A newly launched AI browser called "Comet" by Perplexity is gaining attention for its conversational search interface. Additionally, Hugging Face has released "Reachy Mini", a desktop-friendly AI-powered robot designed for developers and educational use. These updates reflect the rapidly evolving nature of IT, where AI, cloud services, and cybersecurity continue to dominate the headlines and shape the digital future.

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Class: III-B.Sc. CS-A

Date: 28.7.25



Tata Technologies is significantly expanding its Software-Defined Vehicle (SDV) offerings, driven by the automotive industry's shift towards software and electronics. The company highlights strong global demand for SDV engineers and is focusing on the Indian market due to challenges faced by Western OEMs in China. Doubling down on its SDV offerings as global automakers shift research and development priorities from mechanical components to software and electronics.

S. S. Devipriya
28/7/25
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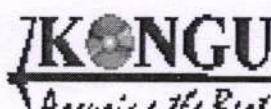
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28/7/25





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Class: II-Bsc(CS&DA)

Date: 28.7.25

TOP 2 Technology In Wipro

Artificial Intelligence(AI): Wipro has been leveraging AI-infused technologies to

empower clients and drive business value. They have developed AI-driven platforms like Wipro HOLMES, which focuses on automation and intelligent solutions. Wipro also prioritizes responsible AI practices, ensuring that their AI solutions are not only innovative but also ethical and sustainable.

Cloud Computing: Wipro provides cloud computing services, helping

businesses integrate and leverage cloud technologies to drive digital transformation and innovation. Their cloud solutions enable clients to enhance operational efficiency, scalability, and flexibility, ultimately leading to improved business outcomes.

S. H. Pavithra
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Class: III B.Sc (CS&DA)

Date: 28.7.25

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."

S. N. Jayesh
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S.N.Jayesh



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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE (UG) DBT STAR SPONSORED DEPARTMENT



Class: IBSc(cs)-A

Date: 29.7.25

OpenAI & Oracle -- \$30 Billion AI Infrastructure Expansion

OpenAI is partnering with Oracle to expand its data center power by 4.5 GW across the U.S. This deal is part of a massive \$30 billion initiative to support OpenAI's future AI models. Oracle will handle construction of high-compute facilities for OpenAI's Stargate project. The expansion aims to help OpenAI get closer to developing Artificial General Intelligence (AGI). It highlights how AI development now requires nation-scale infrastructure. This partnership reshapes the cloud and AI landscape dramatically. It's one of the biggest tech infrastructure deals in history.

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

DATE: 29.07.25

IT Services & Corporate Updates

- InnovizSMART taps NVIDIA Jetson Orin for advanced edge- computing platforms, signalling enhanced AI-powered Deployments in fields like autonomous systems and Surveillance
- This integration allows high-performance AI processing directly on the edge, removing latency and reducing reliance on centralized compute for AI tasks like object detection and decision making.

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News World

Class: I-Bsc (CS WITH DA)

Date: 29.7.25

Here are the latest updates on Infosys IT news:

- ***Strong Q1 Earnings***: Infosys reported an 8% year-over-year increase in profit to Rs 6,924 crore, with revenue from operations rising 7.54% to Rs 42,279 crore. The company also secured large deal wins worth \$3.8 billion in Q1.¹
- ***Raised Revenue Guidance***: Infosys revised its FY26 constant currency revenue growth guidance, raising the lower end to 1% from 0%, while retaining the upper end at 3%. This move reflects the company's confidence in its strong deal pipeline and improving demand environment.

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Class: II BSC CS A

Date: 29.7.25

"DANGEROUS FANTASY" AI IN FIVE YEARS

The promise of AI-driven 70-80% productivity gains in five years, being made by IT companies to their clients, is an unsustainable and "dangerous bet" to make and is "in the realms of fantasy," Tech Mahindra CEO Mohit Joshi said, adding that his company is taking a more "realistic" approach to the biggest technology theme globally since dotcom.

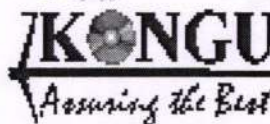
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Class: II-BSC(CS)-B

Date: 29.7.25

HCLTech

HCLTech, the third-largest Indian IT services company, intends to have 15% of fresher hires for specialised and artificial intelligence (AI) roles, said the company's chief people officer, Ram Sundararajan, at the latest post-result conference. TCS shares have faced a setback in recent weeks, with a weekly return of -4.45%. However, the stock has shown a slight gain in recent trading sessions, priced at ₹3234.1.

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Class: II-Bsc CS DA

Date: 29.7.25

TCS LATEST UPDATE

Ranked Among Top 20 Global Technology Brands: TCS has been ranked among the top 20 global technology brands in the Brand Finance Tech 100 2025 list, solidifying its position as a leader in the tech industry.

Delay in Employee Salary Hikes: Due to global economic uncertainty and tariff

concerns, TCS has decided to defer employee salary hikes, initially scheduled for April 2025. However, the company will maintain quarterly variable payouts and continue campus hiring, planning to recruit approximately 42,000 fresh graduates in FY26.

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Date : 29.7.25

Class : III - B.Sc CS - A

Google Bard launches in EU, overcoming data privacy concerns in the region



Google has announced it is making its Bard chatbot available in the EU and Brazil five months after the company opened it up for early access. To date, residents in EU countries have been unable to access the company's ChatGPT rival due to issues surrounding data privacy concerns. In addition to making Bard more widely available, Google has also introduced a host of new features including text-to-speech capabilities, shareable Bard conversation links, Google Lens compatibility, and the ability to customize Bard responses — for example, adjusting for tone and style. Bard is also now available in over 40 new languages including Arabic, simplified and traditional Chinese, German, Hindi, Spanish, according to a blog post by Jack Krawczyk, product lead for Bard. As part of our bold and responsible approach to AI, we've proactively engaged with experts, policymakers and privacy regulators on this expansion, Krawczyk wrote. As we bring Bard to more regions and languages over time, we'll continue to use our AI Principles as a guide, incorporate user feedback, and take steps to protect people's privacy and data. The link to the privacy and data protection guidelines details information including the length of time Bard stores user information, how users can change that timeframe, and the type of information it stores.

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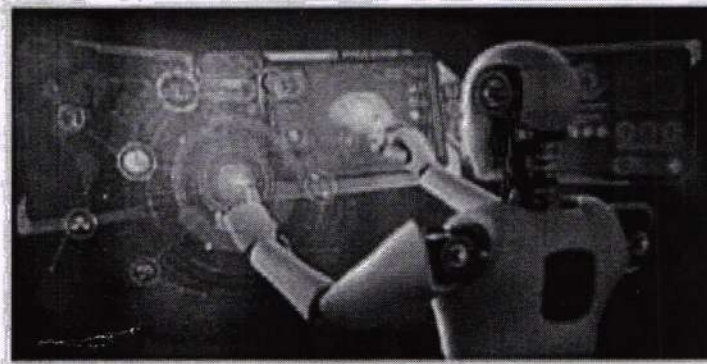


News World

Date: VI - B.Sc (CS & DA)

Class: 29.7.25

Artificial Intelligence



Artificial intelligence (AI) has become as technological reality for businesses and organizations across industries. In 2019, AI adoption among larger and companies as increased by 47% compared to 2018, according to the latest Artificial Intelligence Index report. AI has made its way into many enterprise applications, including customer relationship management software, ther is recruiting services, workforce productivity, and resources planning tools. To better understand the state of AI, let's take a closer look at the role AI play in business and in many people's lives even as we speak.

S. L. Senthil
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29/7/25



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News World



Class: III BSC CS-B

Date: 29.7.25

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

Microsoft SharePoint Hack: Experts warn that a single actor is behind a widespread Microsoft SharePoint hack, putting thousands of firms at risk.

11 Update Windows: Windows 11 gets a new logging feature to address lag and sluggishness.

Apple's Foldable iPhone: Apple's first Foldable iPhone could debut alongside iPhone 18 in 2026.

Cybersecurity in India: Bharat NCX 2025 aims to bolster India's cybersecurity preparedness.

Meta and Google Probe: Enforcement Directorate is probing Meta and Google over ads for illegal betting platforms.

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Class: I BSc(cs-A)

Date: 30.7.25

Meta Eyes \$10 Billion Deal with Scale AI

Meta is in talks to invest over **\$10 billion** in Scale AI, a data labeling platform. Scale AI supports model training for OpenAI, Microsoft, and Meta itself. The investment aligns with Meta's \$68B infrastructure plan for AI tools like Llama. Scale AI made nearly \$870M in revenue last year, showing rapid enterprise growth. The deal would strengthen Meta's access to reliable training datasets. Data is now as crucial as compute in the AI race. Meta is securing its foundations for future model training.

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Class: I – BSC.CS(B)


Date: 30.7.25

TRUMP AND AI STRATEGY

- ❖ President Trump set to unveil a new AI strategy focused the deregulation boosting AI exports and fast tracking data center development moving away from Biden era exports control the plan shaped with silicon valley input, also includes executive orders reducing state level restrictions and addressing bias concerns in “work AI” systems .

India's focus on AI for national security

- ❖ Microsoft breach affecting numerous organizations Google highlighting a suspected China linked cyber attack and India

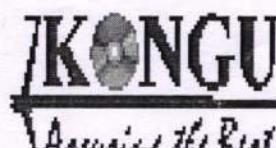

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News World

Class:- Bsc(CS WITH DA)

Date: 30.7.28

- ***Acquisition of WNS***: Capgemini has agreed to acquire WNS, an Indian-origin provider of BPO technology, for \$3.3 billion in cash. This move is expected to strengthen Capgemini's position in the IT and BPO sectors.¹
- ***Expansion Plans in India***: Capgemini plans to significantly expand its India operations by adding 45,000 employees, highlighting the country's strategic importance. The company is taking a cautious approach to AI adoption, focusing on cost-effectiveness and quality.

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Class: II B.B.SC CS A

Date: 30.7.25

Quantum Computing upstart QpiAI gets India Government backing in its \$32Mn Series A fundraise

Bengaluru-headquartered QpiAI, a headstarter in India's nascent Quantum computing space, has secured a total of \$32 Million in a Series A fundraise, which includes backing by the Indian Government. The round was led by Avataar Ventures and the National Quantum Mission (NQM), a \$750Mn initiative by the Indian government to provide thrust to India's quantum computing companies. The round also drew contributions from an unlisted group of both returning and new investors. This latest capital infusion places QpiAI's post-money valuation at \$162 million.

QpiAI's ambitious development schedule includes the introduction of a 64-qubit quantum machine by the end of the coming year, with client access projected for the second or third quarter of 2027.

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News World

Class: II BSc (cs) - B

Date: 30.7.25

India's IT industry is poised for significant growth and transformation in 2025, driven by emerging technologies and changing market dynamics. IT hiring in India is set for a significant rebound in 2025, marking a reversal of the declining trend observed in recent quarters. For example, hiring is expected to surge, with the top four IT majors committing to recruit around 82,000 fresh graduates. The sector is projected to surpass 150,000 fresher hires in FY25. Q

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News World

Class: II-BSC CS (DA)

Date: 30.7.25

**Tech industry at an inflection point, workforce rationalisation
expected in near term: Nasscom**

With country's largest IT services firm TCS laying off over 12,000 employees, industry body Nasscom on Monday said some "transitions" and "workforce rationalisation" are expected in near term as organisations shift toward product-aligned delivery models in response to increasing client demands for agility, innovation, and speed. Tata Consultancy Services (TCS) has said it will lay off more than 12,000 employees, or 2% of its global workforce, this year, as part of a broader strategy to become a "future-ready organisation". The impact will be felt most in the middle and senior grades.

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Class: III-Bsc(UG)-A
Date: 30.7.25

Genpact spending millions to create AI solutions: CEO

Genpact, which helped craft India's business process outsourcing model in the early years of this millennium, is investing "hundreds of millions of dollars" in technology, centred around creating new solution sets incorporating AI agents, to offer its clients greater value, chief executive BK Kalra said.

The company will leverage a combination of autonomous agents with humans in the loop. While Genpact is changing its working model and solution set, the organisation will retain its industry vertical-based internal structure, Kalra told ET in an interview.


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Class::III BSC CS 'B'

Date: 30.7.25

Positive Developments:

- **LTTS Deal:**

L&T Technology Services (LTTS) secured a \$60 million deal with a US-based telecom company.

- **Quess Corp Results:**

Quess Corp reported a 4% increase in profits for the June quarter, with strong revenue growth and a 10% year-on-year increase in EBITDA.

- **Google's Opal:**

Google introduced Opal, an AI-powered app builder that simplifies web app creation.

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Class: III-Bsc CSDA

Date: 30.7.25

latest news and updates about TCL

Partnership with IOC: Long-term global TOP Partnership

with the International Olympic Committee (IOC) through to 2032, solidifying its position as a leading brand in the sports industry.

Manufacturing in India: TCL has initiated construction of its largest manufacturing base outside China in Tirupati, India, as part of its "Make in India" strategy. The industrial park will include a smart TV manufacturing facility and a panel module factory.

Product Launches: TCL has been launching new products, including its QD Mini LED TV, which offers advanced display technology and improved viewing experiences.

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