

## **ATHARVA ROBOTICS CENTER**

### **Daily News on Innovation & Technology**

1st October, 2025

#### **Robots cut travel time by 30% using human-like memory system in smart factories**

By Mrigakshi Dixit, Sept 30, 2025

The robots could distinguish between important, real-time obstacles and unnecessary, outdated information. new “Physical AI” technology could help improve the navigation of autonomous mobile robots in environments like logistics centers and smart factories. Developed by South Korea’s Daegu Gyeongbuk Institute of Science and Technology (DGIST), the tech models the “spread and forgetting of social issues.”



#### **Ukraine begins sharing drone expertise with Denmark deployment, Zelensky says**

By Gavin Blackburn, Sept 30, 2025

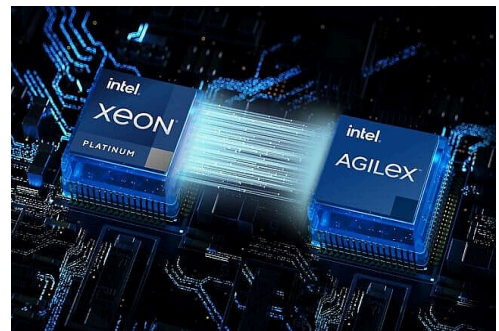
EU defence ministers agreed last week to build what they called a "drone wall" to better detect, track and intercept drones violating Europe's airspace. The Ukrainian military is sharing its expertise in fighting Russian drones with European countries, sending a mission to Denmark for joint exercises, President Volodymyr Zelensky said on Tuesday. "Our group of specialists has begun deploying a mission in Denmark to share Ukraine's experience in countering drones," Zelensky said in a post on X.



#### **Israel's Semiconductor Industry Comes of Age**

By James Ogunleye, Sept 30, 2025

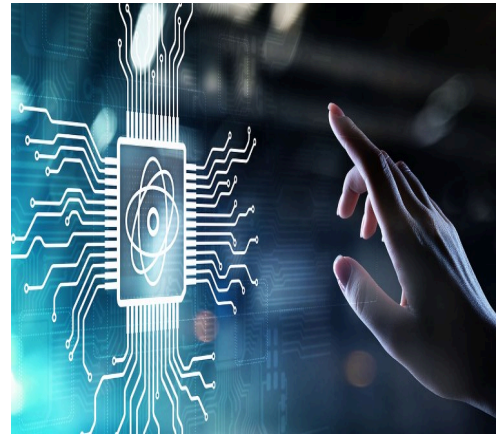
Every so often, a report lands in my inbox at exactly the right time. Recently, it was a new study by Earth & Beyond Ventures and Deloitte Catalyst on the state of Israel's semiconductor industry. I had just written about why Deep Tech must be Israel's strategic play for long-term defense and security. And here, suddenly, was the missing piece I had not touched on: semiconductors.



### [WiMi Advances Research on Distributed Quantum Computing via Cross-Optical Network Links](#)

By Ray Sharma, Sept 30, 2025

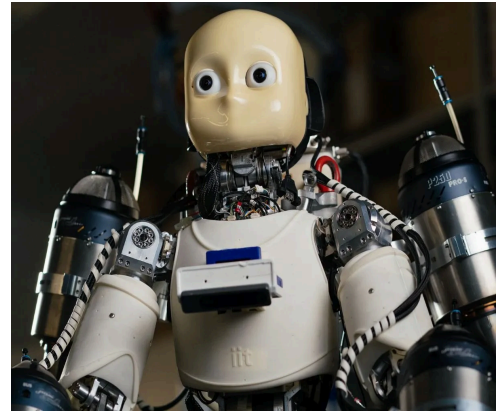
WiMi, a leading global Hologram Augmented Reality (AR) Technology provider, announced that they are orchestrating the research on distributed quantum computing based on cross-optical network links. Distributed quantum computing (DQC) connects multiple quantum processors to form a powerful computing network, further expanding the scale and application scope of quantum computing.



### [Why the World Needs a Flying Robot Baby>iRonCub3 could be the future of disaster-response robots](#)

By Evan Ackerman, Sept 30, 2025

One of the robotics projects that I've been most excited about for years now is iRonCub, from Daniele Pucci's Artificial and Mechanical Intelligence Lab at the Italian Institute of Technology (IIT) in Genoa, Italy. Since 2017, Pucci has been developing a jet-propulsion system that will enable an iCub robot (originally designed in 2004 to be the approximate shape and size of a 5-year-old child) to fly like Iron Man.



### [Google DeepMind CEO Demis Hassabis reveals 4 ways graduates can unlock an edge in the age of AI](#)

By TOI , Sept 30, 2025

For graduates stepping into a world reshaped by artificial general intelligence (AGI), traditional career advice is no longer enough. The landscape of work, research, and innovation is rapidly evolving, and those who can harness new technologies will hold a decisive advantage. Demis Hassabis, CEO of Google DeepMind, shared his perspective on how students today can prepare to thrive in this era of unprecedented computational power



### [DRDO Sets Sights on Legged In-Orbit Robotics to Revolutionize Space Operations by 2027](#)

By AFI, Sept 30, 2025

The Defence Research and Development Organisation (DRDO) has embarked on an ambitious initiative to develop advanced legged in-orbit robotics tailored for space applications, marking a significant leap in India's seldar space technology ecosystem Led by scientist Kiran Akella at DRDO's premier research laboratory in Pune, the project aims to deliver the first operational phase by 2027, enabling robotic systems that can autonomously navigate and execute complex tasks in zero-gravity and low-gravity environments



### [International Space Station: Launching NASA and Humanity into Deep Space](#)

By Christine Giraldo, Sept 30, 2025

Curiosity and the desire to explore are traits deeply rooted in human nature. Space exploration is no exception; it reflects humanity's timeless drive to seek new horizons, challenge our limits, and understand our universe. The advancements of modern civilization—from the electricity that powers our homes to basic hygienic breakthroughs that ensure our health— happened thanks to humanity's dedication to expanding our knowledge and transforming our world.



## News Articles

MEGA | SHOW

**Drone flying specialists from Delhi brought for visual retreat**

# Tiger lights with 2,983 drones in Guinness

**M.B. GIRISH | DC**  
BENGALURU, SEPT 29

The largest aerial display of a jumping tiger, formed by multirotors/drones at the Mysore Dasara-2025 festivities made it to the Guinness World Records after the event at Mysuru city on Sunday used 2,983 drones. The previous record of a tiger created artwork using 1,985 drones was set by Dubai Racing Club, UAE on March 28.

The drone show was organised by Chamundeshwari Electricity Supply Corporation Ltd (CESC), Mysuru and Karnataka energy department. The drones are flown at St Philomena's College while spectators watch the artworks from adjacent Torchlight Parade Grounds.

CESC MD Munigopal Raju said the previous year, CESC conducted drone show using 1,500 which was the highest in

numbers in south India later Andhra Pradesh Chief Minister N. Chandrababu Naidu conducted drone show using 5,000 drones to create aerial artworks.

"We had in mind to create a tiger, our national animal, using as many as 3,000 drones and We engaged drone flying specialists Botland Dynamics in New Delhi to make the dream come true."

"To enter Guinness World Records, there were cer-

tain procedures to be followed and we abided by them." Over the feat achieved, Raju said "One might see artworks created in sky using drones but catching the event live is more captivating to the eyes of the spectators" and called it "a visual retreat."

He added, "It is an entertainment gift to the people of Mysuru" and catching the show live "creates a different vibes."



An artwork at the Mysore Dasara-2025 made with drones. — DC

Source:DC Hyderabad Newspaper, 30-09-2025

Page No 10

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## DeepSeek, Anthropic unveil new AI models

Hangzhou, Sept. 29: DeepSeek updated an experimental AI model Monday in what it called a step toward next-generation artificial intelligence.

The secretive Chinese start-up outlined the DeepSeek-V3.1-Exp platform, explaining it uses a new technique it calls DeepSeek Sparse Attention (DSA), according to a post on its Hugging Face page.

The latest version

marked "an intermediate step toward our next-generation architecture," the Hangzhou-based start-up said, also indicating it was working with Chinese chipmakers on model.

The latest version builds on the older V3.1 by introducing a mechanism designed to explore and optimize artificial intelligence (AI) training and operation. It's intended to

showcase the start-up's research into ways to improve efficiency when processing long text sequences, it said.

Meanwhile, Anthropic is also releasing a new AI model that is designed to code longer and more effectively than prior versions.

The new model, called Claude Sonnet 4.5, is better at following instruc-

tions and can code on its own for up to 30 hours straight, the company said on Monday.

By comparison, a previous model called Claude Opus 4 is said to be able to field coding tasks for up to seven hours by itself. The updated version of Sonnet is also intended to excel at using a person's computer to take actions for them, improving on a feature Anthropic introduced a year ago. — Bloomberg

Source:DC Hyderabad Newspaper, 30-09-2025

Page No 13

Link:[https://drive.google.com/file/d/1W\\_9dMz5tWxTzFsN\\_CXjNwP1g\\_qH55Fn/view](https://drive.google.com/file/d/1W_9dMz5tWxTzFsN_CXjNwP1g_qH55Fn/view)

ACCESS | CONTROL

Update comes in wake of mounting pressure to make changes to chatbot

# OpenAI adds parental controls for teens

San Francisco, Sept. 29: OpenAI is launching parental controls for ChatGPT, which it announced following a lawsuit alleging a teenager who died by suicide this year relied on the popular chatbot as a coach.

The tools, pushed out to all users Monday, let parents limit the ways teenagers use the chatbot and receive alerts if ChatGPT determines a teenager may be in distress. The controls, which are accessible through ChatGPT's settings, also enable par-

ents to set the hours when their child can't use the service (the chatbot is meant for users who are 13 or older).

The update comes in the wake of mounting pressure for the artificial intelligence (AI) start-up to make changes to its chatbot. After the family of Adam Raine sued OpenAI and its chief executive, Sam Altman, in August over student's death, the company announced a slew of changes to ChatGPT, including parental controls. The suit, which fol-

Tools let parents limit the ways teens use ChatGPT



PARENTS to receive alerts if chatbot finds teenager may be in distress.

IT IS working on software to predict a user's age to guide how ChatGPT responds to those who are under 18.

option, an adult ChatGPT user sends a request by email to their child. If the invitation is accepted, the adult can then take actions like deciding if the teenager can access ChatGPT's voice mode or its ability to generate images, or choose whether chatbot can reference prior conversations.

Jonas said the alerts are meant to give parents enough knowledge about a harmful situation to have a conversation with their teenager while still respecting child's privacy and autonomy. — Bloomberg

lowed a string of other reports about heavy chatbot users engaging in harmful behavior, alleges that ChatGPT systematically isolated Raine from family and helped him plan his death. He died by

hanging in April.

Lauren Jonas, OpenAI's head of youth wellbeing, said that the company is working as quickly as it can to build tools such as parental controls.

In order to set up the new

Source:DC Hyderabad Newspaper, 30-09-2025

Page No 13

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