

ATHARVA ROBOTICS CENTER

Daily News on Innovation & Technology

29th August, 2025

DJI Launches Mic 3: Ultralight Wireless Microphone Boosts Audio for Drone Creators

By Haye Kesteloo, August 28, 2025

DJI, renowned for its civilian drones and imaging tech, has unveiled the DJI Mic 3, a compact wireless microphone that promises superior sound capture for content creators, including those pairing it with drone footage. This latest addition to the OsmoAudio ecosystem builds on prior models by supporting up to four transmitters and eight receivers, enabling seamless group recordings or multi-camera setups essential for dynamic drone videography.



Video: Boston Dynamics' robot dog stuns with backflips pushing design limits

By Atharva Gosavi, August 28, 2025

Boston Dynamics' robot dog Spot has been an internet sensation. It is already an internet celebrity in its own right. Whether carrying heavy loads or deployed in industrial settings, the quadruped has impressed tech enthusiasts worldwide. And, now it's ready to do so again with exciting new developments. In new footage released by Boston Dynamics, Spot performs consistent backflips, demonstrating its versatility in making smooth movements.



US tech titans combine classical and quantum computing to build more powerful systems

By Atharva Gosavi, August 28, 2025

Tech giants IBM and AMD are teaming up to build the next generation of computing, planning to combine quantum computers with high-performance computing, creating quantum-centric supercomputing. In partnership, the two companies plan to develop open, scalable platforms that could transform how the world thinks about computing. IBM brings expertise in building some of the world's most powerful quantum computers and software, while AMD adds its strengths in high-performance chips and AI accelerators.



Pune Students Win ISRO's Robotic Challenge 'Fly Me On Mars' With Autonomous Martian Drone

By Pallava Bagla, August 28, 2025

In a remarkable display of innovation and engineering prowess, a team of students from the Pune Institute of Computer Technology (PICT) emerged victorious in the prestigious ISRO Robotic Challenge, themed 'Fly Me on Mars'. The challenge, organised by ISRO's U R Rao Satellite Centre (URSC), invited student teams across India to develop autonomous navigation systems for aerial vehicles designed to operate on the Martian surface - without relying on external aids like GPS or compass.



News Articles



Why the Next Chapter Belongs to Human Values

From AI-driven healthcare and deep-sea colonies to loneliness epidemics and karma capitalism, the book sketches a bold, data-backed vision of tomorrow

TEAM VIVA

From vertical farming in a skyscraper big enough to feed Mumbai to nanotechnology that could cure mental illness, 61-year-old Dutch author and futurist Adjiedj Bakas in his book *#Forwardism* takes readers on a vivid voyage into the future. What makes this journey unique is its breadth and accessibility – Bakas draws on lessons from history, critiques the present, and predicts possibilities ahead. Co-authored with his

late husband, geopolitical strategist Vinco David, the book explores themes from the loneliness epidemic and the future of love to virtual workplaces and deep-sea AI colonies.

Bakas describes a "perfect storm" shaped by megatrends that could herald a new Renaissance. Just as Europe was adrift after Rome's fall, he sees the West trapped in "emocracy," where emotions overshadow reason. Rising inequality, declining intergenerational prosperity, and AI's looming impact on jobs feed this turbulence.

FUTURE VISION

In *#Forwardism*, futurist Adjiedj Bakas with co-author Vinco David maps a future of AI, vertical farming, and genome healthcare—where ethics, empathy, and innovation converge to shape resilient, humane societies

Yet, Bakas avoids apocalyptic visions, arguing that AI will ultimately create more jobs than it displaces. Kodak's failure to adapt to digital technology is offered as a warning for businesses today. Among the most compelling megatrends is the shift to digital work, with freelancing and remote employment rendering offices less relevant. Still, he warns against neglecting soft skills: "Seventy per cent of IT professionals work

outside the technical sector... empathy, language, cognitive skills, and communication are increasingly important." He predicts middle management's decline and envisions businesses using DNA and neuro-profiles to build optimal teams. Healthcare too, he argues, is on the cusp of a data revolution. Genome sequencing is becoming cheaper and faster, opening doors to targeted genetic treatments. Every 50 years, Bakas notes, healthcare undergoes a radical shift – AI may well drive the next one. He highlights business opportunities in wellness centres, loneliness cures, and the care economy. He praises China for doubling forest cover in 70 years and Israel for its desalination and wastewater treatment, urging India to replicate such models.

The book also examines power structures shaping the future – superpowers, diasporas, corporations, and moral communities. Towards the end, author offers advice: To leaders, invest in nuclear energy, embrace thorium, and transform today's "Capitalism of Greed" into "Karma Capitalism." To citizens, he prescribes simple but profound steps: Use AI to upskill, invest in soft skills, appreciate art, walk in forests, and perform random acts of kindness.

#Forwardism continues his tradition of blending hard data with imaginative foresight, offering a hopeful, humane vision of the future. It is a must-read for leaders, entrepreneurs, and citizens seeking clarity in uncertain times.

ONE CHAPTER IS LINKED TO THE PILLARS OF POWER WHOSE INTERPLAY, HE SAYS, WILL DECIDE THE FUTURE. THESE RANGE FROM ECONOMIC BLOCS AND MNCs TO SUPERPOWERS AND RELIGIOUS AND MORAL GROUPS



ABOUT THE BOOK

Book: *#Forwardism*
Author: Adjiedj Bakas and Vinco David
Publisher: Soemindra Books
Price: ₹672/-

Source: The Pioneer Delhi, 29-08-2025

Page No 15

Link: https://drive.google.com/file/d/1KuBUaNcA7-kLq_gqgkMQzc9TyWzUecgP/view

CG Semi to roll out first made-in-India chip soon

OJASVI GUPTA
& KRISHNA BAROT
Ahmedabad, August 28

CG SEMI, A SUBSIDIARY of CG Power and Industrial Solutions, would roll out the first made-in-India chip from its facilities in Sanand in Gujarat. Inaugurating the facility on Thursday, Union electronics and information technology minister Ashwini Vaishnaw said that Prime Minister Narendra Modi will "soon" dedicate the chip produced at this facility. "This is a major milestone in our country's semiconductor journey," he added.

The Murugappa Group company's facility is India's first full-service outsourced semiconductor assembly and test (OSAT) provider, and aims to offer solutions meant for both traditional as well as advanced packaging technologies. "This marks a major step in strengthening India's semiconductor capabilities and supporting the country's goal of becoming self-reliant while also serving global markets," the firm said in a statement.

The first facility, known as G1, which was inaugurated on

TECH MILESTONE

- CG Semi will invest over **₹7,600 crore** over five years to develop two units — G1 and G2
- G1 will have a peak capacity of **0.5 mn** units per day
- G2 will have a maximum capacity of **14.5 mn** units per day
- Two facilities will generate over **5,000 direct and indirect jobs**

IT minister Ashwini Vaishnaw at the CG Semi plant inauguration



Thursday, will operate at a capacity of 0.5 million units per day. It is equipped to handle end-to-end chip assembly, packaging, testing, and post-test services. With support from the central and state governments, and in collaboration with Renesas and Stars Microelectronics, CG Semi is investing over ₹7,600 crore over five years to develop two OSAT facilities (G1 and G2) in Sanand. Commercial production in the G1 plant is set to

commence in 2026, with a peak capacity of an estimated 0.5 million units per day.

The G2 facility, currently under construction, is expected to be completed by the end of calendar year 2026 and will scale up to a maximum capacity of approximately 14.5 million units per day. Together, the two plants are projected to create over 5,000 direct and indirect jobs in the region.

Continued on Page 5

Source: The Financial Express, 29-08-2025


Page No 01

Link: https://drive.google.com/file/d/1IWPOW6cDhiNW_dg33bHsjQuMnCOFebbD/view

JOB | DEMAND **India's AI market projected to reach \$28.8 bn in 2025 at 45% CAGR**
Galloping AI faces talent crunch

New Delhi, Aug. 28: India artificial intelligence (AI) market is on the cusp of hyper-growth phase, seen at \$28.8 billion by 2025 but faces severe talent crunch with only one qualified engineer available for every 10 open GenAI roles, a report by TeamLease Digital said on Thursday. As per the report, the most in-demand capabilities are specified prompt engineering, LLM safety and tuning, AI orchestration, agent design, simulation governance, and AI

compliance and risk ops are among increasingly sought-after AI skills. It revealed that generative AI engineering and MLOps roles in global capability centres (GCCs) are setting new benchmarks. Overall, it highlighted how India's digital economy is experiencing a rapid surge in AI, cloud job demand, setting new salary benchmarks and intensifying talent shortages. According to the report, India's AI market is entering a hyper-growth phase,

TALENT GAP	
GEN AI engineering and MLOps roles in GCCs setting new benchmarks.	
BY 2026, AI talent gap expect to reach 53%	
INDIA'S DIGITAL economy is experiencing rapid surge in AI.	

projected to reach \$28.8 billion by 2025 at a 45 per cent compounded growth, with AI now central to enterprise value creation. And yet this growth comes with a severe talent shortage, and for every 10 open GenAI roles, only one qualified engineer is available. By 2026, the AI talent gap is expected to reach 53 per

cent, while cloud computing is projected to face a 55-60 per cent demand-supply mismatch. Without scaled-upskilling initiatives, enterprise ambitions risk being constrained, it said. AI adoption, as per the report, is expected to reshape job markets significantly, with up to 40 per cent of global roles expected to be impacted, particularly in IT services, customer experience, BFSI, and healthcare. —PTI

Source: The Financial Chronicle Newspaper, 29-08-2025
Page No 07

Link: <https://drive.google.com/file/d/106tqV-aDFxa9DFJL9puJEg7n6DDmFsV1/view>

Russia surveillance drones fly over US weapons routes?

Russia or its proxies are flying surveillance drones over routes that the US and its allies use to ferry military supplies through eastern Germany, collecting intelligence that could be used to bolster the Kremlin's sabotage campaign and assist its troops in Ukraine, according to US and other Western officials. US and German officials have been discussing Russian sabotage efforts, including information that led to the arrest of three Ukrainian men accused in a Russia-linked plot, the officials said.



AFP/Photo for representation
According to US and other Western officials, these drones collect intel that could be used to bolster the Kremlin's sabotage campaign and assist its troops in Ukraine

The Russian sabotage campaign has led to fires at warehouses in Britain, an attack against a dam in Norway, attempts to cut cables under the Baltic Sea and an array of operations intended to bring the war in Ukraine closer to the heart of Europe and to undermine support for Kyiv.

After hitting a high last year, Russian sabotage acts have fallen off significantly this year, experts and Western intelligence officials said. That is at least partly the

result of heightened security in Europe, and efforts by US and European intelligence services to prevent attacks. The drop also likely reflects a swirl of diplomatic activity to negotiate an end to the fighting in Ukraine. "The landscape is more difficult for Russians to operate," said Seth Jones, who studies the issue for the Center for Strategic and International Studies. "But it's not unreasonable to assume the Russians are a bit more cautious now while there are negotiations." Jones noted in a report that Russian attacks in Europe quadrupled between 2022 and 2023, then tripled again between 2023 and 2024. But he tracked a significant drop-off in the first six months of this year, with only four incidents quali-

fying as sabotage or attempted sabotage by Russia. US spy agencies have been providing information to European govts about potential sabotage actions, according to people briefed on the discussions. US officials confirmed the flights but said they were unable to track their origin. They believe the drones have been flown by Russians or people working for Russian intelligence services. Asked about the report by journalists, Russian spokesman Dmitry Peskov said that "it's hard to imagine, because then the Germans would have seen it clearly, and they would hardly have kept quiet. So, of course, all this looks more like another newspaper fake." NYT & AGENCIES

Source: The Times of India Newspaper, 29-08-2025
Page No 26

Link: https://drive.google.com/file/d/1iKEf3Y-H-G_K1-Fs0h-hYcm-yjVgQJtu/view

