

UPSC Daily Current Affairs| One Liners 09-10-2026

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Infrastructure

First 3D-printed rural housing pilot project

India launched its first 3D-printed rural housing pilot project in the Guntur district of Andhra Pradesh under the Pradhan Mantri Awas Yojana-Gramin (PMAY-G) 2.0 scheme.

• Key Project Details

- **Location** - 177 houses are being constructed across Burripalem (100 units) and Pothuru/Obulnaidupalem (77 units) in Guntur district, Andhra Pradesh.
- **Project Cost** - The total outlay is approximately **₹14 crore** (₹13.93 crore excluding taxes), funded jointly with ₹9.44 crore from the Union Ministry of Rural Development and ₹4.49 crore from the Andhra Pradesh government.
- **Timeline** - Each house can be printed in roughly **10 days**, and the entire 177-home pilot is targeted for completion within **six months**.
- **Technology & Support** - The project utilizes 3D Concrete Printing (3DCP) additive manufacturing technology with technical guidance from the CSIR-Central Building Research Institute (CBRI), Roorkee.



US-led group on structural excess capacity

India has joined the United States and 13 other economies in signing a Joint Ministerial Statement to address structural excess capacity and non-market policies that distort global markets. What is Structural Excess Capacity

- **Definition** – It occurs when a country's manufacturing capacity greatly outpaces domestic and global demand, often driven by heavy state subsidies, non-market policies, or government interventions.
- **Core Risk** – Sustained overproduction leads to artificial price drops, dumped goods, market displacement, job losses, and weakened local industries in trading partner nations.
- **Key Sectors Targeted** – The initiative initially covers five main manufacturing areas:
 - Automobiles and Electric Vehicles (EVs)
 - Batteries
 - Chemicals
 - Foundational semiconductors
 - Solar panels
- Signatories of the Initiative

India Joins US-led Excess Capacity Initiative
Amid US Section 301 Scrutiny
15 countries to tackle excess manufacturing capacity in key sectors

15-COUNTRY GROUPING
India joins 14 other economies, including the US, to address structural excess manufacturing capacity.

India, US, EU, Japan, South Korea, Mexico, Argentina, Australia, Canada, France, Germany, Poland, Türkiye, UK

KEY SECTORS IN FOCUS
Initial focus on sectors facing excess manufacturing capacity

Automobiles & Electric Vehicles, Batteries, Solar Panels, Chemicals, Semiconductors

US SECTION 301 INVESTIGATION
US is investigating structural excess capacity in 16 economies, including India, over concerns of market distortions.

WHAT THE INITIATIVE AIMS TO DO

- End non-market policies and practices
- Share information and assess impact of excess capacity
- Explore complementary action

Economy

India's first high-altitude snow leopard wildlife safari

It was officially flagged off on October 7, 2026, in Ladakh by Lieutenant Governor Vinai Kumar Saxena.

- **Key Details of the Safari**

- **Launch & Organizers** - Developed through a partnership between the **Snow Leopard and High-Altitude Nature Conservation (SHAN) Society** and the **Department of Forest, Ecology and Environment, UT Ladakh**.

- **Fleet & Vehicles** - Kicked off with **six specially designed open-back vehicles**. **Initial Operating Areas:**

- - **Rumbak**

-

- **Shang**

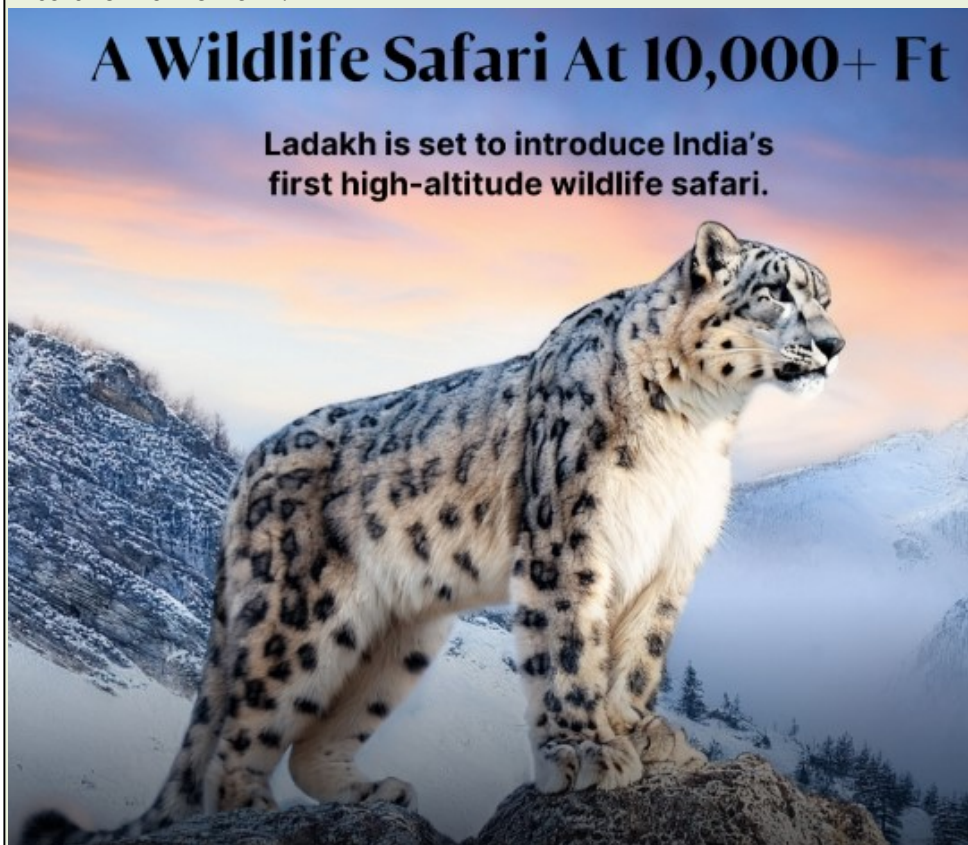
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- **Uley**

- **Expanded & Proposed Routes** - Mapped across **Hemis National Park**, the **Changthang** and **Karakoram Wildlife Sanctuaries**, as well as **Nubra, Zaskar, Sham, Kargil, and Drass**.

- **Wildlife Focus** - Designed to track the elusive snow leopard (Ladakh houses **477 of India's estimated 718 snow leopards**) alongside species like the Himalayan ibex, blue sheep (bharal), Tibetan wolf, and Himalayan fox.

- **Community & Ecotourism Model** - Employs trained local drivers, wildlife guides, and nature interpreters, with youth training, bird-watching hides, and local artisan initiatives built into the framework.



Environment

Windergy India 2026

Union Minister Shri Pralhad Joshi inaugurates Windergy India 2026 in Chennai.

- **India's 100 GW Wind Energy Target** - India aims to achieve **100 GW of installed wind energy capacity by 2030**.

- The target is supported by rapid capacity addition, a strong project pipeline and favourable government policies.

- **Present Wind Energy Capacity**

- India's installed wind power capacity reached **59.20 GW as of 30 September 2026**.

- Annual wind capacity addition touched a record **6.05 GW in FY 2025-26**.

- The government expects installations in **FY 2026-27 to surpass this record**.

- **Windergy India 2026**

- The **8th edition of Windergy India 2026** was inaugurated in **Chennai on 8 October 2026**.

- Inaugurated by **Union Minister Pralhad Joshi**, Minister for New and Renewable Energy.

- The event brought together around, **400 exhibitors, 20+ countries** and **500 delegates**.

- Country pavilions were organised by **Denmark, Germany and Spain**.

- **Tamil Nadu's Role** - **Tamil Nadu** was highlighted as a key state in India's wind energy development.

- The state is promoting wind energy through initiatives including its **Wind Repowering Policy**.

- State governments were recognised for facilitating Land acquisition, statutory clearances, Right-of-Way resolution and faster implementation of wind projects.

- **International & Industry Collaboration**

- Major collaborations announced include:

- **IWTMA-BWE Global MoU**

- **IWTMA-PTB Letter of Intent (LoI)**

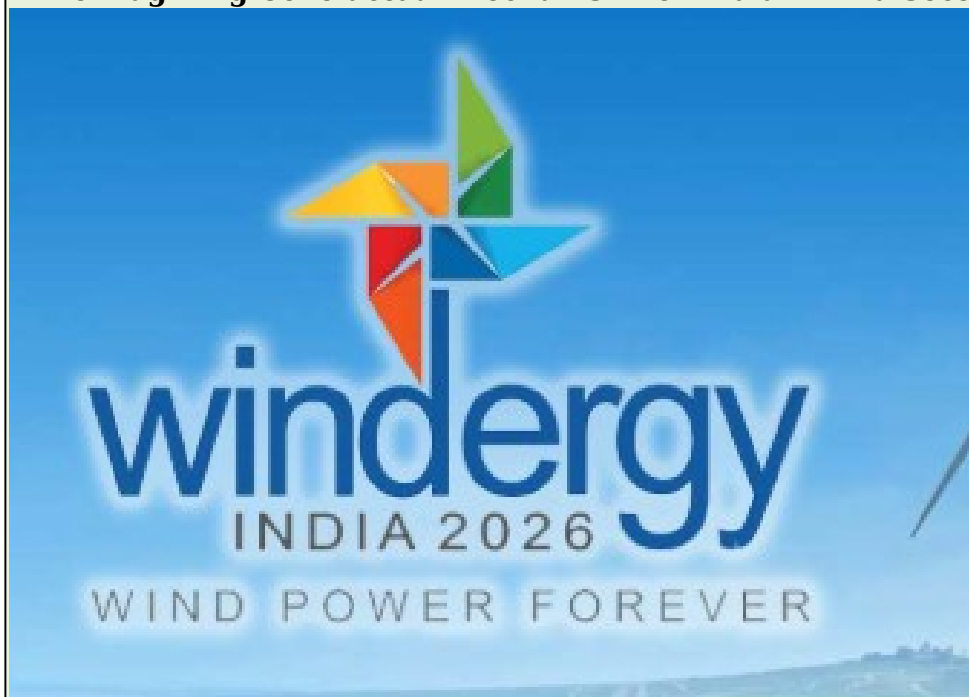
- **IWTMA-OECD collaboration**

- These aim to promote **technology development, innovation, international cooperation and strengthening of India's wind-energy value chain**.

- **Reports Released** - Two important reports were released:

- **"Energy Transition in Tamil Nadu"**

- **"Reimagining Contractual Mechanism for Indian Wind Sector"**



Breast Cancer Awareness Month 2026

Breast Cancer Awareness Month 2026 runs from October 1 to October 31, 2026, with the global theme "**Every story is unique, every journey matters**".

- **Key Details & Focus**

- **Campaign Dates** - October 1 - October 31, 2026, coordinated globally by organizations like the World Health Organization.

- **Core Goal** - Raise global awareness, promote early detection, encourage timely diagnosis, and support individuals and families affected by breast cancer.

- **Important Dates in October:**

- **Metastatic Breast Cancer Awareness Day / Breast Cancer Awareness Day** - October 13

- **Global Lobular Breast Cancer Awareness Day** - October 15

- **Men's Breast Cancer Awareness Week** - October 17 - October 23

- **Wear It Pink Day** - October 23, 2026

- **Key Warning Signs & Symptoms**

- A new lump or mass in the breast or underarm

- Swelling or thickening of a part of the breast

- Changes in breast size, shape, or contour

- Skin dimpling or puckering (orange-peel texture)

- Nipple pain, inversion, or spontaneous bloody or unusual discharge

**We need to talk about
breast cancer!**

Almost 2.5 million women developed breast cancer and almost 700 000 women died from the disease in 2024.



International Agency
for Research on Cancer



World Health
Organization

Breast Cancer
Awareness Month

Nameri Tiger Reserve - Global Conservation Recognition

Nameri Tiger Reserve (NTR), Assam has received global recognition for its tiger conservation and protected-area management practices.

- It was accorded CA|TS Approved status on 10 September 2026.
- The approval followed an assessment by the CA|TS International Executive Committee.

• **What is CA|TS?**

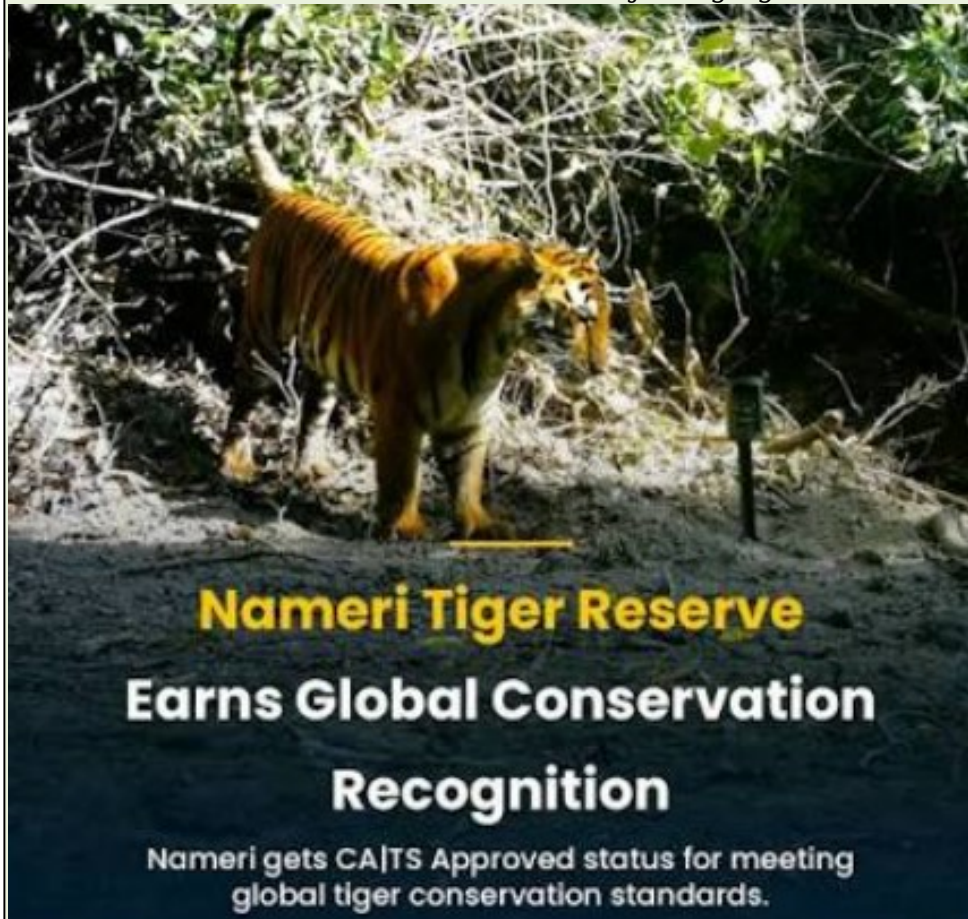
- Conservation Assured | Tiger Standards (CA|TS) is a globally recognised framework for assessing the effectiveness of tiger-reserve management.
- It evaluates Wildlife protection, Habitat management, Tiger monitoring, Protected-area administration and Community participation.

• **Significance for Assam** - With Nameri's approval, all four tiger reserves of Assam now have CA|TS Approved status:

- Kaziranga, Manas, Orang, Nameri
- This highlights Assam's strong commitment to tiger conservation and protected forest management.

• **Nameri Tiger Reserve - Key Facts**

- Location: Northern part of Sonitpur district, Assam
- Total area: 464 sq km
- Core area: 200 sq km
- Includes Nameri National Park and the adjoining tiger-reserve landscape.



3rd International Bharat 6G Symposium 2026

The 3rd International Bharat 6G Symposium 2026 was inaugurated by Shri Jyotiraditya M. Scindia, Union Minister for Communications.

- Organised by the **Bharat 6G Alliance (B6GA)** at **Yashobhoomi, Dwarka, New Delhi**.
- It brought together policymakers, telecom operators, technology companies, academia, research institutions and global technology alliances.
- **Focus** - Advancing **next-generation communication technologies** and India's **6G ambitions**.
- **Five New MoUs** - The **Bharat 6G Alliance** signed MoUs with:
 - **GSMA**
 - **one6G Association**
 - **GTI Alliance Ltd**
 - **6G Industry Forum (6GIF)**
 - **VoICE**
- **Objective** - Strengthen international cooperation in **research, innovation, standards, technology development and deployment** for 6G.
- **B6GA Partnership Network**
- Existing partnerships - **10 global + 2 domestic MoUs/MoIs**.
- With the five new collaborations, the broader partnership network has reached **17 collaborations**.
- **Nine 6G White Papers Released** - The B6GA released nine Working Group white papers covering:
 - **6G Technology Landscape & Roadmap** - R&D, platforms and trials in India.
 - **Integrated Sensing and Communication (ISAC)** - technologies, architecture and applications.
 - **Fixed Wireless Access (FWA)** - broadband backbone from 5G to 6G.
 - **Optical Technologies** - role in 6G networks.
 - **IMT Spectrum Readiness** - spectrum requirements towards 2030 and beyond.
 - **Sustainable 6G** - carbon-neutral/Net-Zero networks.
 - **Cellular-Wi-Fi Synergy** - inclusive connectivity.
 - **Captive Non-Public Networks (CNPN)** - enterprise/private networks.
 - **6G Security** - security challenges and solutions.
- **Significance for India**
- Promotes development of a **globally competitive and indigenous 6G ecosystem**.
- Strengthens India's role in **global 6G standards and technology development**.
- Encourages **industry-academia-government collaboration**.
- Focuses on **secure, sustainable and inclusive connectivity**.
- Supports India's ambition to become a **leader in next-generation telecommunications**.



OCTOBER 8-9, 2026

YASHOBHOOMI CONVENTION CENTRE, NEW DELHI, INDIA

**International Bharat6G
Symposium 2026**

World Hydrogen and Fuel Cell Day

The Ministry of New and Renewable Energy (MNRE) commemorated World Hydrogen and Fuel Cell Day on October 8, 2026, at Atal Akshay Urja Bhawan in New Delhi.

• Key Highlights of the Event

• Participants – Over 100 government officials, industry leaders, researchers, and subject experts gathered to discuss safety standards and technical measures.

• Key Dignitaries – Professor Ajay Kumar Sood (Principal Scientific Adviser to the Government of India) and Shri Bhupinder Bhalla (Secretary, MNRE) attended the event.

• Launches – A new hydrogen website and an R&D scheme with a dedicated R&D roadmap were launched to support the National Green Hydrogen Mission.

• Reports Released – A report mapping gaps in India's hydrogen standards (prepared alongside the Boston Consulting Group) was unveiled.

• Panel Discussions – The program featured two primary technical sessions focusing on hydrogen standards and safety protocols across production, storage, transport, and facility operations.



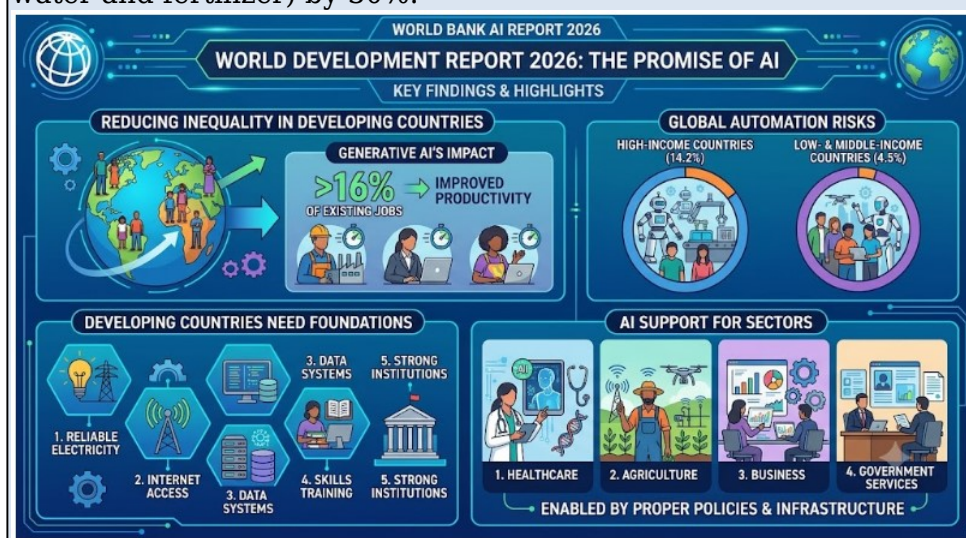
Report & Index

World Development Report 2026

The **World Development Report 2026: The Promise of Artificial Intelligence** is a flagship publication by the World Bank Group released on August 4, 2026, offering the first comprehensive assessment of how artificial intelligence (AI) impacts low- and middle-income developing economies.

Core Thesis and Opportunity

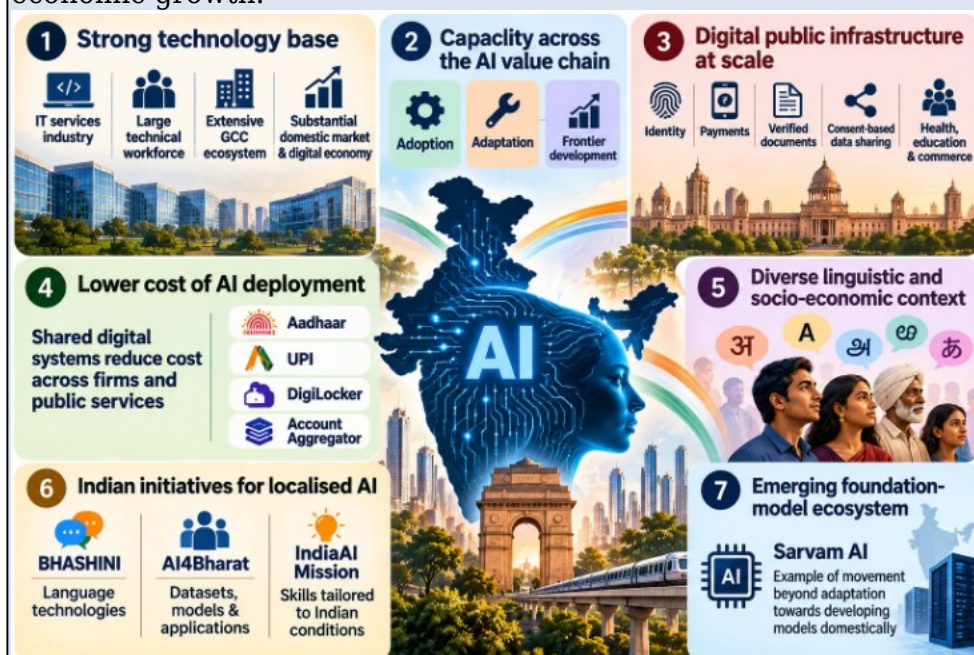
- **A Fast-Track to Growth** - The report argues that AI can help developing nations achieve in a single decade what might otherwise take a century of traditional development.
- **Amplifying Workers vs. Replacing Them** - In high-income countries, 14.2% of jobs face high automation risks from generative AI, compared to only 4.5% in low- and middle-income economies where manual labor is more prevalent.
- Meanwhile, AI can boost productivity for about 16.2% of jobs in developing countries.
- **Service Delivery** - AI-driven tools help stretch scarce expertise to wider populations in critical sectors like telemedicine, precision agriculture, and personalized education.
- For example, agricultural tools can raise productivity by 20–40% and cut input costs (like water and fertilizer) by 30%.



World Bank: India's AI Readiness

The World Bank ranked India among the top 10 emerging-market performers in AI readiness on 6 October 2026.

- The assessment was published in the report "India and Artificial Intelligence: Seizing the Development Opportunity."
- India's strong position is attributed to:
 - Skilled technical workforce
 - Globally integrated IT sector
 - Strong Digital Public Infrastructure (DPI)
- **AI Investment in India** - Private investment in AI increased significantly:
 - 2024: USD 1.2 billion
 - 2025: USD 4.1 billion
- This indicates growing private-sector confidence and adoption of AI technologies.
- **Growth of Global Capability Centres** - Professionals employed by Global Capability Centres (GCCs) in India increased:
 - 2024: 1.9 million
 - 2025: 2.36 million
- GCC expansion strengthens India's role as a global hub for technology, innovation and AI-related services.
- **World Bank's Policy Recommendations** - The World Bank noted that the long-term economic and labour-market impact of AI remains uncertain.
 - It recommended Developing AI-enabling infrastructure, Improving the business environment, Expanding access to AI technologies and Strengthening labour capacity and skills.
 - Using AI to improve productivity and public service delivery
- **AI Adoption: India vs US**
 - Around 23% of Indian firms reported using some form of AI.
 - In the United States, the corresponding figure was around 43%.
 - The gap is even wider for advanced AI applications.
- **Economic Growth Forecast**
 - The World Bank raised India's FY2026-27 growth forecast to 7.1%.
 - AI adoption and digital transformation could contribute to higher productivity and improved economic growth.





SHANKAR
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