SWARNA JAYANTI HARYANA INSTITUTE FOR FISCAL MANAGEMENT
SDG Coordination and Acceleration Centre

ACCELENSE

A Newsletter to Accelerate SDGs

SDGCAC
SUSTAINABLE DEVELOPMENT GOALS COORDINATION AND ACCELERATION CENTRE
Powering Viksit Haryana

Edition 8: Tech Lense

Theme: Technology for Development – From Innovation to Impact

SDG Coordination and Acceleration Centre (under the aegis of Swarna Jayanti Haryana Institute for Fiscal Management), Haryana welcomes you to their fortnightly newsletter series SDG ACCELENSE - designed to help share knowledge, spotlight ideas and focus on innovations shaping sustainable development. We hope this "lens" provides multiple perspectives on developmental issues and drives real acceleration on the ground helping achieve a **'VIKSIT HARYANA'.** Each edition will explore development through either of the three lenses — the **Economic Lense**, capturing stories of people, inclusion, and environment; the **Tech Lense**, highlighting digital and technological enablers of change; and the **Economic Lense**, focusing on growth, finance, and resilience. Together, they will endeavour to provide impetus for the state to be a "Non -stop Life Force" in its path to become globally competitive, inclusive and sustainable Haryana.



Nayab Singh Saini
Hon'ble Chief Minister, Haryana

"Haryana does not want to limit technology merely to innovation; rather, the government's objective is to ensure that its benefits reach the common citizen directly."

source: • https://prms.prharyana.gov.in/press-release/3858



Dr. Raj Nehru
Director General
Swarna Jayanti Haryana Institute for Fiscal Management

As we move towards technology-enabled organisations, I believe innovation must always begin with understanding real problems. We must continue going back to the people facing those problems, because the nature of the problem is constantly changing. Technology and our solutions must evolve with those changing needs if we want to create sustainable impact for society and the country. And when we build something that we can truly deliver for the country, profits will follow.



Haryana and World Bank Deepen AI Partnership for Smarter Governance

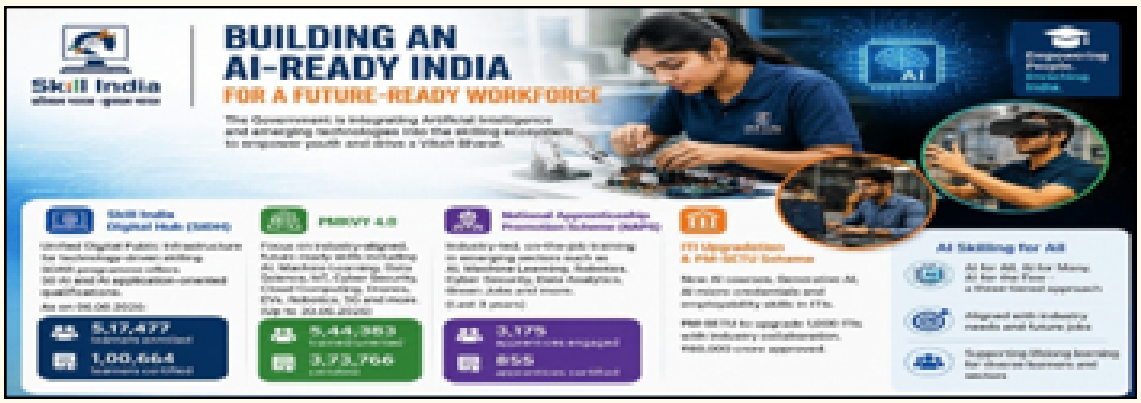
Haryana is expanding the use of artificial intelligence, shared data systems and digital-skilling infrastructure to strengthen public administration. Discussions between Chief Minister Nayab Singh Saini and the World Bank covered PPP 2.0, a State Data Lake, a Data Exchange Policy, AI Gurukul and district-level skill centres. The Haryana AI Sandbox is designed to let government departments test practical AI solutions before wider deployment, including applications in administrative decision-making and air-quality management. The model links technology adoption with institutional capacity, data governance and real public-service problems rather than stand-alone experimentation.

source:

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS

Haryana and World Bank Deepen AI Partnership for Smarter Governance

India is scaling formal training in artificial intelligence and emerging technologies through the Skill India Digital Hub, PMKVY 4.0, ITIs and apprenticeship programmes. The Skilling for AI Readiness (SOAR) programme includes 50 AI and AI-application qualifications; as of 6 August 2026, 5,17,477 learners had enrolled and 1,00,664 had been certified. The wider skilling framework also covers machine learning, cybersecurity, cloud computing, semiconductors, drones, EVs, green hydrogen, robotics, AR/VR and 5G. The emphasis is on creating industry-aligned learning pathways that can reach both urban and underserved regions



source:

4 QUALITY EDUCATION | 8 DECENT WORK AND ECONOMIC GROWTH | 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

India and Gates Foundation Deepen Collaboration on AI-Enabled Farmer Services

The Government of India and the Gates Foundation are deepening cooperation in agriculture and rural development, with technology playing a growing role in farmer services. After a 27 August meeting led by Union Agriculture Minister Shivraj Singh Chouhan and Gates Foundation CEO Mark Suzman, public remarks highlighted AI-enabled tools for weather forecasts, soil-health information, agricultural advisory, productivity and access to markets and prices. India's experience with digital public infrastructure and programmes such as AgriStack and Bharat-VISTAAR could also provide models for adaptation across Asia, Africa and the wider Global South.



source:

2 ZERO HUNGER | 8 DECENT WORK AND ECONOMIC GROWTH | 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE | 13 CLIMATE ACTION

UNDP and DFINITY Explore Sovereign Cloud and Decentralised AI for Public Good

UNDP and the DFINITY Foundation have launched a partnership to explore sovereign cloud infrastructure and decentralised AI for public-purpose digital transformation. The initiative will support UNDP Country Offices in piloting AI-enabled software and decentralised applications, while civil-society and public-sector participants receive capacity-building through UNDP innovation programmes. The work emphasises responsible adoption, privacy, safeguards, interoperability and locally governed digital environments. Potential applications include public services, digital payments, identity, social protection and climate finance, making the partnership as much about trustworthy institutions as about the underlying technology.



source:

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS

Indigenous Filterless Technology Targets Air Pollution in Public and Industrial Spaces

NITI Aayog's Frontier Tech Repository highlights PI Green Innovations' indigenous filterless air-pollution technology, designed to reduce particulate emissions without frequent disposable-filter replacement. The company's systems convert captured particulate matter into a removable residue, lowering maintenance needs while targeting pollution from industrial and other high-emission environments. NITI's case study reports reductions of up to 90% in toxic emissions and cleaner-air outcomes in public spaces. The approach illustrates how locally developed engineering can turn air-quality control into a scalable urban-development and public-health intervention rather than a purely environmental add-on.



source:

3 GOOD HEALTH AND WELL-BEING
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION

Pheromone Biotechnology Offers a No-Spray Alternative to Chemical Pesticides

ATGC Biotech is using pheromone-based crop protection to manage pests by disrupting mating behaviour rather than repeatedly spraying conventional insecticides. Its CREMIT platform releases synthetic pheromones that make it harder for male insects to locate females, reducing subsequent pest generations. NITI Aayog reports deployment across more than 200,000 acres, reach to more than 100,000 farmers and adoption in over 20 countries. The “No Pump, No Spray, No Water” approach can reduce pesticide dependence and chemical residues while supporting safer food production, export compliance and more resource-efficient crop protection.



source:



Google DeepMind and CarbonFarm Use AI to Scale Low-Carbon Rice Farming

CarbonFarm is using Google DeepMind’s Agricultural Landscape Understanding model and Gemini to automate field-level insights for digital monitoring of rice cultivation. Satellite data and machine learning help verify farming practices, water outcomes and methane reductions, replacing paper-heavy reporting and strengthening access to carbon-credit and climate-finance programmes. Google reports that the platform is deployed across 12 countries and is expected to expand to 20, supporting CarbonFarm’s goal of 2 million hectares of low-carbon rice by 2030. CarbonFarm says sustainable rice practices can cut methane emissions by about half and conserve substantial freshwater.



source:



EVENT HIGHLIGHT

Skilling Haryana for a Circular Economy

UNDP–SDGCAC Knowledge Series Webinar | 11 August 2026

As part of the UNDP–SDGCAC Knowledge Series, the webinar “Skilling Haryana for a Circular Economy: Linking Education with Industrial Clusters” brought together expert perspectives on preparing Haryana’s workforce for emerging circular economy opportunities. The discussion explored circular economy and green skills, emerging industry skill requirements, education and skilling, and stronger collaboration between industry, academia and government. The session highlighted the importance of building stronger connections between education, skills and industry to develop a skilled, adaptable and future-ready workforce for Haryana, aligned with the vision of Haryana@2047.



EVENT HIGHLIGHT

Advancing Gender Equality in Haryana

The Viksit Haryana@2047 – Gender Equality Consultation Workshop brought together diverse perspectives from leading organisations working towards women’s empowerment, economic opportunity, safety and inclusive development. The consultation featured Harsharan Kaur, SEWA Bharat; Sruthi Kutty, IWWAGE; Anjani Singh, Gates Foundation; Kalpana Viswanath, Safetipin; and Sarbani Bose, PRADAN, bringing together expertise across women’s economic agency, gender equality, safety, social transformation and development. The workshop contributed to a broader dialogue on strengthening women-led development and advancing gender equality as a key pillar of an inclusive and future-ready Haryana@2047.







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