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## Uttar Pradesh Industry 4.0 | Uttar Pradesh | 22 May 2024

### Why in News?

The Uttar Pradesh nodal technical university has tied up with technology major **International Business Machines (IBM) Corporation** for [Artificial Intelligence \(AI\)](#) and **Cloud computing training** to align the future workforce with the **modern Industry 4.0 concept**.

- The state is also pushing for the '**One District, One Incubator**' scheme.

### Key Points

- With AI investment in India expected to reach **USD 5 billion by 2027**, the Uttar Pradesh government aims to leverage this expanding industry to boost employment opportunities, encourage self-employment, and promote the growth of startups.
- State's **Abdul Kalam Technical University (AKTU)** has signed a [Memorandum of Understanding \(MoU\)](#) with IBM for free online courses in such programmes across more than 500 affiliated colleges.
- According to a joint study released recently by **Intel and International Data Corporation**, AI spending in India is expected to grow 31.5% from 2023.
  - The growth is highest among the eight countries surveyed — Australia, India, Indonesia, Japan, South Korea, Malaysia, Singapore, and Taiwan.
- **Industry 4.0** refers to the **integration of intelligent digital technologies into manufacturing and industrial processes**.
  - It covers a set of technologies spanning industrial **IoT (internet of things) networks, AI, big data, robotics, automation**.
- As the state has the country's **4th largest startup ecosystem**, the government is taking steps to integrate education with incubators and facilitate angel funding to business ideas.
  - It is planning to set up an incubator at every higher educational institution across 75 districts. Currently, over **60 incubators are operational in the state**.
  - The state boasts of about 10,000 recognised [startups](#), of which 50% have emerged from Tier-II and Tier-III cities. Nearly 4,300 startups are being run by women entrepreneurs.
- **UP is home to eight** of the **total 108 unicorns in India**, such as Paytm, Paytm Mall, India Mart, Moglix, Pine Labs, Innovaccer, InfoEdge, and Physics Wallah.

### Unicorn

- A unicorn is **any privately owned firm with a market capitalisation of more than USD 1 billion**.
- It denotes **new entities** dedicated to offering creative solutions and new business models, among other things.
- There are several categories like **fintech, Edtechs, B2B** (Business-to-Business) companies, etc.