



ARTIFICIAL INTELLIGENCE & ROBOTICS

GLOBAL FACT & FIGURES

- The global artificial intelligence (AI) market size was estimated at US\$ 87.04 billion in 2021 and it is expected to hit US\$ 1,597.1 billion by 2030 with a registered CAGR of 38.1% from 2022 to 2030 (Source: Precedence Research).
- Global robotics market is valued at \$12 billion in 2020 and expected to reach \$149 billion by 2030 with a CAGR of 27.7% in 2030 (Source: Allied Market Research).



Relevance for Japan and Kerala

India recently took over the chair of the Global Partnership on Artificial Intelligence for 2022-23 at a meeting of the body in Tokyo on November 21, 2022. As part of this initiative, India will take over the chair of the Global Partnership on Artificial Intelligence (GPAI) - An international initiative to support responsible and human-centric development, and the use of Artificial Intelligence (AI).

Artificial Intelligence is expected to add \$967 billion to the Indian economy by 2035, and \$450-500 billion to India's GDP by 2025, roughly accounting for 10% of the country's \$5 trillion GDP target.

Leveraging this opportunity, the state government of Kerala has taken special steps to improve the employability of its technical graduates and professionals in the emerging fields of Artificial Intelligence and Machine Learning. The Additional Skills Acquisition Programme (ASAP) of the state's higher education department has developed AI and ML courses specifically for this purpose.

Kerala claims the title of being the first state where AI coding was introduced into the official curriculum of one of its schools in 2019, right from class I onwards. Dayapuram Residential School in Kattangal, Kozhikode, was the first school that started coding sessions and classes on AI for kids at a very young age. This was made possible by the efforts of the Kerala-based startup Cyber Square.

In robotics, most of the large players are from Japan - Fanuc Corporation, Yaskawa Electric Corporation and Denso Corporation drive the market with ~50 % of market share. The robotics market in India is projected to grow by 6.21% (2022-2027) and this presents a huge opportunity for Kerala.

For the first time in India, Kerala Infrastructure & Technology for Education (KITE) - the Edtech arm of the state government of Kerala, is setting up robotic labs across 2000 high schools from December 2022, which will benefit more than 1.2 million school children.

Japan Mela Benefits

Access AI and Robotics start-ups from the Kerala IT eco system and explore opportunities to invest, explore partnerships, access talent and also leverage government benefits from the "Make in India" initiative.

Connect with industry leaders in the AI and Robotics space and hear about the emerging trends in the panel discussions.

Meet with prospective customers and partners for market expansion into India, and particularly into Kerala, which is set to become the most up-skilled AI / Robotics talent pool in the coming years, driven by government initiatives for talent development in these areas.



THE VENUE

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