

MEMORANDUM OF COOPERATION
BETWEEN
THE MINISTRY OF ECONOMY, TRADE AND INDUSTRY OF JAPAN
AND
THE MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY,
GOVERNMENT OF INDIA
ON
INDIA-JAPAN DIGITAL PARTNERSHIP 2.0

This Memorandum of Cooperation is made on 25th August, 2025 between Ministry of Economy, Trade and Industry of Japan (METI) and Ministry of Electronics and Information Technology (MeitY), Government of the Republic of India hereinafter referred to individually as a “Participant” and jointly as the “Participants”, along with common recognition by relevant Ministries from both sides such as Ministry of Internal Affairs and Communications (MIC), Ministry of Education, Culture, Sports, Science and Technology (MEXT) and Digital Agency from Japan side, and required/ equivalent ministries from Indian side from time to time in order to promote wide-ranging collaborations in digital area to develop India-Japan economic relationship. Have reached the following recognition:

Paragraph 1
General Overview

Towards the next era of groundbreaking technologies, the seamless integration of hardware and software will be crucial for developing advanced Machine Learning (ML) /Artificial Intelligence (AI) / Internet of Things (IOT) solutions that drive societal progress. By pioneering collaborations in these cutting-edge fields, India and Japan can forge a visionary partnership, harnessing their respective strengths. The economic

ties between India and Japan are strengthening through increased investment, but there is significant potential for further growth. By expanding these areas, Japanese companies can come to join with Indian companies as a "Strategic partnership for the Global Market," positioning themselves at the forefront of technological advancement.

Both participants are committed to joint efforts in mutually beneficial domains, including Semiconductor ecosystem, Artificial Intelligence, Digital corporate partnerships, Digital Public Infrastructure (DPI), Digital Talents, R&D cooperation, Startup & Innovation and security for future network.

To diversify cooperative activities and expand the sphere of collaborations, "India-Japan Digital Partnership" is enhanced by both participants.

Paragraph 2

Scope of Collaboration

i) Semiconductor Ecosystem

This paragraph of Semiconductor Ecosystem is pursuant to the "Memorandum of Cooperation" to strengthen Semiconductor supply chain partnership signed by MeitY and METI on 20 July 2023. Recognizing the critical role of semiconductors in advancing industries and digital technologies, this Memorandum of Cooperation (MOC) aims to reinforce the commitment between the two nations.

- Explore deeper engagement between leading semiconductor research organisations/centres of the two countries to work on advanced semiconductor research areas, including advanced packaging;
- Promote investment among countries in the field of semiconductors and related supply chains of semiconductor equipment, semiconductor grade materials, specialty chemicals and gasses;
- Promote semiconductor supply chain resilience by leveraging mutual strength of the two countries, with realizing the importance of the development of next

generation semiconductors in Japan and an intention to promote semiconductor manufacturing in India.

- Explore the possibilities of future cooperation in the area of Display ecosystem.

ii) **Artificial Intelligence**

- Both India and Japan will continue to work towards safe, secure, responsible human-centric and trustworthy AI to advance sustainable development goals.
- Continue to work together more closely in various multilateral fora, such as Global Partnership on Artificial Intelligence (GPAI), Hiroshima AI Process Friends Group, United Nations and AI Safety Summit etc.
- Explore opportunities for knowledge sharing and cooperation around AI, such as but not limited to AI frameworks and governance structure, machine learning models, AI use cases, AI talents, computing resources, and data governance principles and mechanisms including addressing concerns such as bias, accountability, and transparency.
- Explore joint program to ensure AI security and safety by integrating robust protocols, continuous monitoring, and interoperable standards throughout the AI development lifecycle;
- Explore cooperation on the establishment of AI Safety Institute and work together on studies and promotes evaluation methods, testing, benchmarking and standards for AI safety.
- Explore the coordination of their respective policies to promote the development of AI technology stacks, including software, hardware, and digital infrastructure, with the aim of fostering a trustworthy AI ecosystem, recognizing the strategic importance of AI for economic security. This includes, but is not limited to, discussing a possible framework for trustworthy development and deployment of AI technology stacks and use cases.

iii) Digital Corporate Partnership

This MoC emphasizes the importance of collaboration in this era of emerging technologies (ET), where the boundaries between hardware and software are becoming increasingly indistinct. By fostering a co-creation culture, the partnership aims to leverage Japan's strength in hardware and India's expertise in software to develop innovative solutions for global markets.

- Both participants will work towards holding matchmaking events between Japanese and Indian firms in IT and Emerging Technologies sectors;
- Explore joint private initiatives in the areas of AI, IoT, Microelectronics, Storage, and other emerging technologies and to implement a special cooperation in these fields under the Indo-Japan Digital Partnership;
- Both participants will make efforts to promote B2B cooperation and curate a co-creation culture, leveraging their strengths in hardware and software to develop innovative products and solutions for global markets;
- Both participants will explore possibilities of collaborating in emerging technologies by way of R&D networking. The collaboration between the two countries will be fostered through R&D exchanges, university partnerships, private investment, showcasing a strong willingness to innovate and grow together.
- India side will support Japanese investment in Electronics and IT sectors to India with supporting measures including incentive schemes and Japan will support Indian investment to Japan through JETRO.

iv) Digital Public Infrastructure

Digital public infrastructure (DPI) is described as a set of shared digital systems that should be secure and interoperable, and can be built on open standards and specifications to deliver and provide equitable access to public and / or private services at societal scale and are governed by applicable legal frameworks and enabling rules

to drive development, inclusion, innovation, trust, and competition. Both participants concur on:

- Sharing best practices on policies, rules and regulations for accelerating digital transformation.
- Working together on the sharing of experiences and exchanges of technical expertise; and exploring the implementation of DPI solutions including digital ID and data sharing mechanisms with consent wherever applicable, as mutually concurred for sustainable and inclusive development;
- Cooperating in the development and implementation of DPI solutions in key priority areas, such as finance, agriculture, transportation, education, healthcare, banking etc. as mutually concurred.
- Continuing the discussion on the knowledge exchange and experience of DPIs, including digital payment systems.
- Exploring the possibilities of future cooperation in the implementation of DPI related technologies jointly in third countries.

v) Digital talent

- Both participants intend to facilitate talent and workforce development initiatives between India and Japan to develop Global level Human Resources in the field of Semiconductors ecosystem
- Both participants explore the possibilities to expand the provision of educational programs and courses by Japanese companies to Indian universities.
- Both participants will facilitate and promote internship program to send Indian students to work at Japanese firms as interns like Japanese Endowed Courses (JEC) and vice-versa.
- Japan side will hold Job Fairs (Japan Career Fairs) in India such as the one held in Indian Institute of Technology Hyderabad (IIT-H) since 2018 to recruit Indian IT talent for Japanese firms in India.

- Japan side will examine highly skilled Indian professionals and appropriately grant Highly Skilled Professional status of residence, and properly grant permanent residence permission as long as the professionals meet the requirement.
- Share experiences on training, upskilling and reskilling of workers relating to digital domain, in order to foster economic growth and innovation;
- Jointly organize workshops, seminars and educational programs for talent development in Emerging technologies including AI.

vi) R&D cooperation

- Both participants are willing to share expertise and experience to synergies the 'Japan's idea of Society 5.0' and India's efforts to enable digital technologies for societal benefits;
- Enhance Cooperation and research in emerging technologies such as super-computing (HPC), Artificial Intelligence, Internet of Things, Quantum Computing etc.
- Support new partnership between India and Japan research organizations to explore joint program (for research and innovation for industrial purposes) or (applied research) and to tackle global and societal challenges
- Supporting projects to find solutions to issues in primary sectors such as healthcare, education and agriculture etc. with the use of digital technology

vii) Start-up Collaboration

The Japan-India Startup Initiative” concurred between METI and MeitY on May 1st, 2018, which includes establishment of Japan-India startup Hub in Bengaluru will offer opportunities to innovators, startups, and deep tech creators to explore co-development models and commercial pathways for new partnerships.

- Enhancing innovation through collaboration between the start-up ecosystem of both participants through startup exchange programs, mentorship workshops and VC connect;
- Both participants will consider to sending missions consisting of respective companies, startups, investors and venture capitals to the other side and encourage the creation of funds to invest in startups in India with participation by Japanese players;
- Exchanges of experiences and best practices on Centers of Excellence for innovation and research in emerging technologies;
- Japan side will consider inviting selected Indian start-ups for largest startups conference in Japan and provide pitching and business matchmaking opportunities with Japanese companies and vice versa;

viii) Security for future network

- Both participants will cooperate in cyber security, including capacity building and training in cybersecurity.
- Promote and review CERT-to-CERT cooperation activities through established mechanisms;
- Promote cooperation in cybersecurity standard development and conformity assessment, including accreditation process;
- Share and implement cybersecurity best practices;

Paragraph 3

Implementation Mechanism:

- i) MeitY and METI will be nodal agencies to coordinate the implementation of Memorandum of Cooperation through appropriate mechanism

- ii) To intensify the exchange, both participants intend to hold regular consultations on “Digital Partnership” through Joint Working Group by physical meetings and video conferences.
- iii) The organizations under this Memorandum of Cooperation will interact and coordinate, as appropriate, with other commitments between entities in Japan and India.

Paragraph 4

Funding

The conduct of cooperative activities as set out in this Memorandum of Cooperation is subject to the availability of funding, personnel and other resources. Each side is expected to cover the costs incurred in participating in cooperative activities under this Memorandum of Cooperation, unless otherwise concurred in writing by both participants.

Paragraph 5

Confidentiality

All information and documents to be exchanged pursuant to the MoC will be kept confidential by the Participants and will only be used subject to such conditions as the Participant which provided the information or document (“the disclosing Participant”) may specify. The Participant receiving the information or documents (“the receiving Participant”) will not use the information or documents for purposes other than those specified in this MoC, unless the prior written consent of the disclosing Participant is obtained.

Paragraph 6

Intellectual Property Rights (IPR)

Each Participant will ensure the appropriate protection of intellectual property rights generated from cooperation pursuant to this MoC, consistent with their respective laws, rules and regulations and applicable multilateral agreements to which both Participants are a party to.

Paragraph7

Duration and Discontinuation

- i). This Memorandum of Cooperation will commence from the date of its signing by both participants and will remain continue for the period of five (5) years.
- ii). The Memorandum of Cooperation may be renewed by mutual written consent from both participants.
- iii). Either side may discontinue this Memorandum of Cooperation by giving a written notice of its intention to discontinue to the other side sixty (60) days in advance.
- iv). The Memorandum of Cooperation may be modified at any time by mutual written consent from both participants. Such modifications will commence on the date determined by both participants.
- v). Any dispute arising out of the interpretation or implementation of this Memorandum of Cooperation will be settled amicably through consultation and negotiations between both participants.

This Memorandum of Cooperation does not create any legal obligations or rights.

Signed on the 25th day of August 2025 in two originals in English.

**For the Ministry of Economy, Trade
and Industry**

**For the Ministry of Electronics
and Information Technology**

MUTO Yoji
Minister of Economy, Trade and
Industry of Japan

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