JAPAN

▶ Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2019	2020	2021	2022	2023
Talent	46	46	47	50	49
Training & education	19	18	21	21	21
Scientific concentration	11	11	13	14	15

Talent	Rank
Educational assessment PISA - Math	05
▷ International experience	64
Foreign highly skilled personnel	54
Management of cities	09
▷ Digital/Technological skills	63
Net flow of international students	27

Training & education	Rank
Employee training	35
Total public expenditure on education	53
Higher education achievement	06
▶ Pupil-teacher ratio (tertiary education)	03
Graduates in Sciences	39
Women with degrees	06

Scientific concentration	Rank
Total expenditure on R&D (%)	06
Total R&D personnel per capita	20
Female researchers	57
R&D productivity by publication	16
Scientific and technical employment	39
High-tech patent grants	06
Robots in Education and R&D	06

TECHNOLOGY

Sub-Factors	2019	2020	2021	2022	2023
Regulatory framework	42	44	48	47	50
Capital	37	33	37	32	36
Technological framework	02	05	08	08	07

Regulatory framework	Rank
Starting a business	44
Enforcing contracts	35
Immigration laws	62
Development & application of tech.	49
Scientific research legislation	48
Intellectual property rights	34

Capital	Rank
IT & media stock market capitalization	10
Funding for technological development	43
Banking and financial services	42
Country credit rating	30
Venture capital	39
Investment in Telecommunications	44

Technological framework	Rank
Communications technology	26
Mobile broadband subscribers	19
▶ Wireless broadband	02
Internet users	20
Internet bandwidth speed	11
High-tech exports (%)	24

FUTURE READINESS

Sub-Factors	2019	2020	2021	2022	2023
Adaptive attitudes	15	19	18	20	22
Business agility	41	56	53	62	56
IT integration	18	23	23	18	16

Adaptive attitudes	Rank
▶ E-Participation	01
Internet retailing	17
Tablet possession	32
Smartphone possession	55
Attitudes toward globalization	46

Business agility	Rank
▷ Opportunities and threats	62
▶ World robots distribution	02
▷ Agility of companies	64
▷ Use of big data and analytics	64
Knowledge transfer	43
Entrepreneurial fear of failure	36

IT integration	Rank
E-Government	14
Public-private partnerships	41
Cyber security	43
▶ Software piracy	02
Government cyber security capacity	24
Privacy protection by law content	11