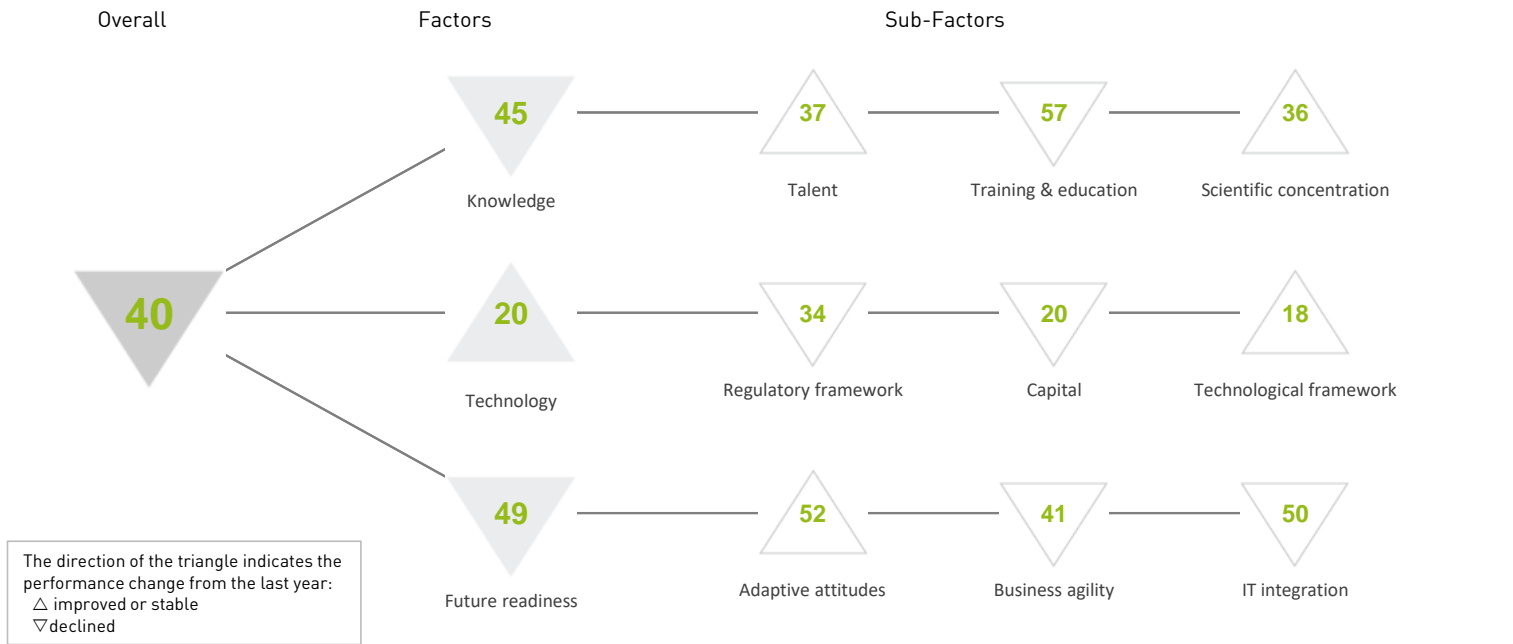


THAILAND

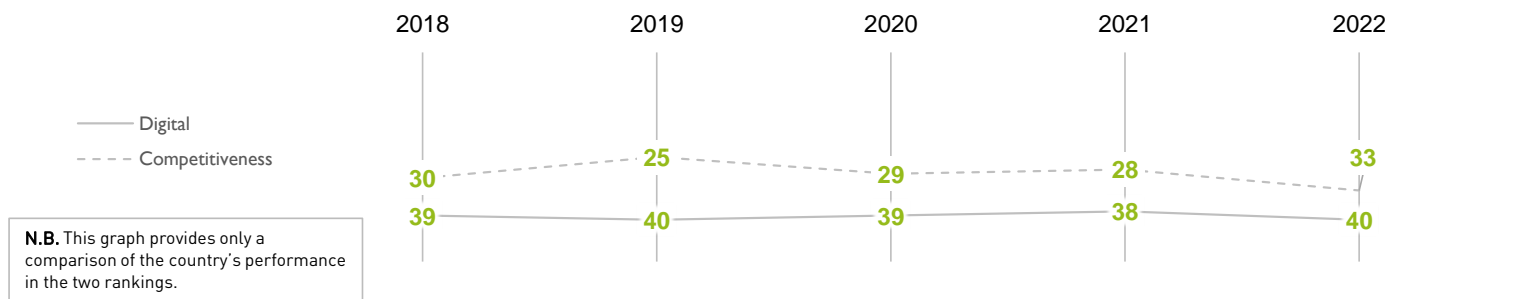
OVERALL PERFORMANCE (63 countries)



OVERALL & FACTORS - 5 years

	2018	2019	2020	2021	2022
OVERALL	39	40	39	38	40
Knowledge	44	43	43	42	45
Technology	28	27	22	22	20
Future readiness	49	50	45	44	49

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

ASIA - PACIFIC (14 countries)



POPULATIONS > 20 MILLION (27 countries)



THAILAND

▶ Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2018	2019	2020	2021	2022
Talent	42	40	36	39	37
Training & education	44	50	55	56	57
Scientific concentration	45	35	37	36	36

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	46	Employee training	20	Total expenditure on R&D (%)	33
International experience	19	Total public expenditure on education	50	Total R&D personnel per capita	39
Foreign highly-skilled personnel	25	Higher education achievement	45	▶ Female researchers	06
Management of cities	29	▷ Pupil-teacher ratio (tertiary education)	55	R&D productivity by publication	30
Digital/Technological skills	45	Graduates in Sciences	37	▷ Scientific and technical employment	55
Net flow of international students	40	Women with degrees	48	High-tech patent grants	31
				Robots in Education and R&D	17

TECHNOLOGY

Sub-Factors	2018	2019	2020	2021	2022
Regulatory framework	34	33	31	29	34
Capital	28	21	17	19	20
Technological framework	23	29	25	22	18

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
Starting a business	26	IT & media stock market capitalization	17	Communications technology	15
Enforcing contracts	28	Funding for technological development	40	Mobile Broadband subscribers	25
Immigration laws	32	Banking and financial services	23	Wireless broadband	27
Development & application of tech.	39	Country credit rating	41	Internet users	44
Scientific research legislation	39	Venture capital	32	▶ Internet bandwidth speed	14
Intellectual property rights	43	▶ Investment in Telecommunications	07	▶ High-tech exports (%)	11

FUTURE READINESS

Sub-Factors	2018	2019	2020	2021	2022
Adaptive attitudes	55	58	53	53	52
Business agility	34	30	44	34	41
IT integration	55	51	43	43	50

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	40	Opportunities and threats	27	E-Government	49
Internet retailing	50	▶ World robots distribution	11	Public-private partnerships	26
▷ Tablet possession	57	Agility of companies	37	Cyber security	38
Smartphone possession	39	Use of big data and analytics	28	▷ Software piracy	56
Attitudes toward globalization	14	Knowledge transfer	33	▷ Government cyber security capacity	57
		Entrepreneurial fear of failure	50	Privacy protection by law content	43