

GKI RANK 112 /141

GKI SCORE

37.7

WORLD AVERAGE

47.8

COUNTRY PERFORMANCE SUMMARY

Nepal is a modest performer in terms of its knowledge infrastructure. It ranks 112th out of 141 countries in the Global Knowledge Index 2024 and 16th out of the 24 countries with medium human development.

NEPAL

KEY INDICATORS

GDP (US\$ billions): 144.31

Population: 29,694,615

HDI: 0.601

AREAS OF STRENGTH

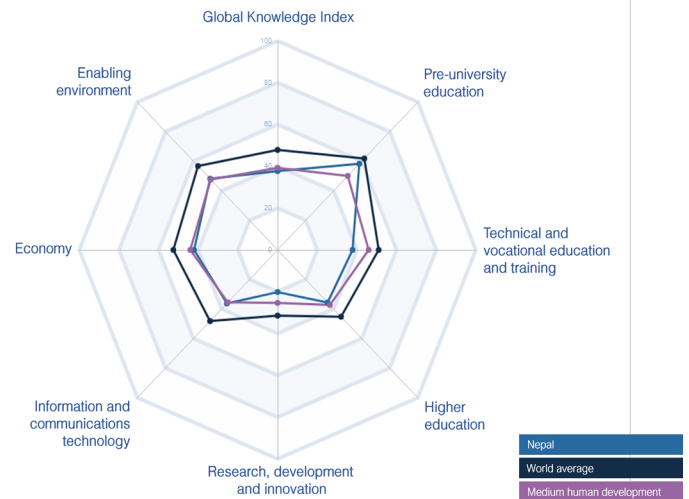
- + Gross enrolment ratio in early childhood education
- + Ecological footprint per capita
- + Gross attendance ratio for tertiary education, gender parity
- + Firms constrained with inadequately educated workforce (%)
- + Cultural goods exports (% exports)

AREAS OF IMPROVEMENT

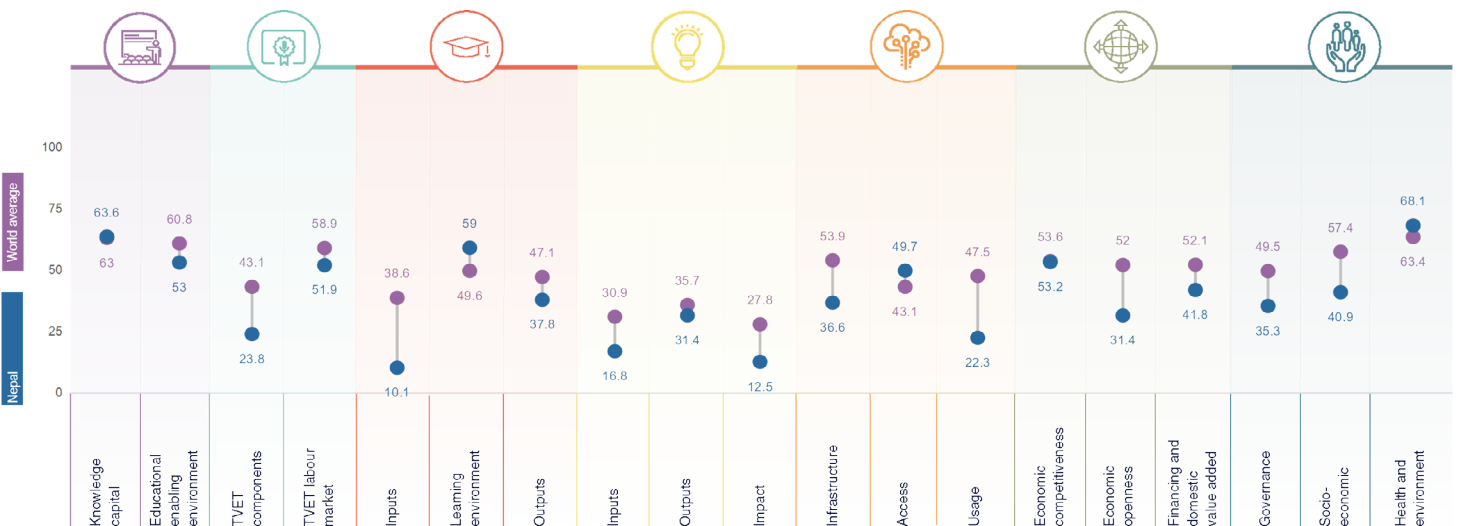
- Pupil-teacher ratio in tertiary education
- Market concentration
- Fixed broadband Internet traffic per subscription
- Mobile broadband Internet traffic per subscription
- Firms with products and services new to the market (%)

SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	91	58.3
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	127	37.8
HIGHER EDUCATION	112	35.6
RESEARCH, DEVELOPMENT AND INNOVATION	125	20.2
INFORMATION AND COMMUNICATIONS TECHNOLOGY	104	36.2
ECONOMY	120	42.1
ENABLING ENVIRONMENT	99	48.1



GKI PILLARS





NEPAL

Rank Value

PRE-UNIVERSITY EDUCATION	91	58.3
Knowledge capital	82	63.6
Enrolment	74	87.3
Net enrolment rate in primary education	71	92.7
Net enrolment rate in lower secondary education	76	92.1
Net enrolment rate in upper secondary education	70	77.3
Completion	96	56.2
Years of compulsory education in primary and secondary	106	61.5
Completion rate in upper secondary education	81	35.7
Gross intake ratio to the last grade of lower secondary education	16	71.3
Outcomes	62	47.3
Assessment of 15-year-old students in math, science and reading	n/a	n/a
Learning-adjusted years of schooling	86	47.3
Educational enabling environment	96	53
Expenditure	86	27.8
Government expenditure on primary education (% GDP)	50	36.6
Government expenditure on secondary education (% GDP)	66	29.5
Government funding per primary student (% GDP per capita)	84	28.7
Government funding per secondary student (% GDP per capita)	97	16.6
Resources	108	60.6
Pupil-trained teacher ratio in primary education	40	89
Pupil-trained teacher ratio in secondary education	77	68
Schools with access to computers in primary education (%)	97	27.3
Schools with access to computers in secondary education (%)	98	58.2
Early learning	44	68.8
Gross enrolment ratio in early childhood education	6	81.4
Proportion of children who are developmentally on track	43	44.8
Proportion of children with stimulating home learning environments	17	63.2
Pupil-trained teacher ratio in pre-primary education	45	85.5
Equity and inclusiveness	77	54.8
Completion rate in upper secondary education, gender parity	52	91.7
Completion rate in upper secondary education, wealth parity	53	20.7
Completion rate in upper secondary education, location parity	75	52
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	127	37.8
TVET components	139	23.8
Continuous training and skilling	121	24.4
Firms offering formal training (%)	107	13.5
Labour force participation rate with short-cycle tertiary education	n/a	n/a
Participation rate in formal and non-formal education and training	47	35.3
TVET structure	130	5.5
Government expenditure on vocational education (%)	71	9.2
Share of students enrolled in secondary vocational programmes	117	1.9
Share of students enrolled in post-secondary vocational programmes	n/a	n/a
TVET quality and qualifications	72	41.5
Extent of staff training	110	47.9
Quality of vocational training	105	43.8
Ratio of high-skill TVET occupations earnings to average wage	26	37.7
Ratio of medium-skill TVET occupations earnings to average wage	29	36.6
TVET labour market	106	51.9
Efficiency of the labour market	65	70.2
Firms constrained with inadequately educated workforce (%)	12	92.8
Employment educational mismatch (%)	89	49.1
Proportion of skilled production workers	32	76.6
Unemployment rate with vocational education	98	62.5
Post-TVET employment	110	30.3
Share of TVET occupations	76	53.5
Manufacturing employment (%)	130	7
Equity and inclusiveness	108	55.1
Enrolment in vocational education, gender parity	14	92.8
Vulnerable employment rate	124	17.5

Rank Value

HIGHER EDUCATION	112	35.6
Inputs	133	10.1
Expenditure	79	20.2
Government expenditure per tertiary student	107	1.4
Teaching staff compensation (% tertiary expenditure)	48	39
Enrolment	94	10.1
Enrolment in bachelor's or equivalent level (%)	95	11.8
Enrolment in master's, doctoral or equivalent (%)	83	8.5
Resources	130	0
Pupil-teacher ratio in tertiary education	119	0
Researchers in higher education (%)	n/a	n/a
Learning environment	46	59
Diversity and academic freedom	8	75.9
Teachers in tertiary education, gender parity	n/a	n/a
Inbound mobility rate	n/a	n/a
Academic freedom	67	75.9
Equity and inclusiveness	46	42
Gross attendance ratio for tertiary education, gender parity	8	95
Gross attendance ratio for tertiary education, wealth parity	45	5.9
Gross attendance ratio for tertiary education, location parity	52	25.1
Outputs	110	37.8
Attainment	101	7.7
Educational attainment rate, bachelor's or equivalent	106	9.3
Educational attainment rate, master's or equivalent	84	6.1
Educational attainment rate, doctoral or equivalent	n/a	n/a
Employment	113	66.4
Labour force participation rate with advanced education	124	60.2
Unemployment rate with advanced education	98	72.5
Impact	65	39.4
University-industry collaboration in R&D	96	39.4
Citable documents per R&D personnel in higher education	n/a	n/a
RESEARCH, DEVELOPMENT AND INNOVATION	125	20.2
Inputs	124	16.8
Inputs of R&D institutions	n/a	n/a
GERD (% GDP)	n/a	n/a
GERD per researcher	n/a	n/a
Researchers per thousand labour force	n/a	n/a
Tertiary graduates from STEM programmes (%)	n/a	n/a
Inputs of RDI in business enterprises	129	4.1
GERD performed by business enterprises (%)	n/a	n/a
GERD financed by business enterprises (%)	n/a	n/a
Researchers in business enterprises (%)	n/a	n/a
Firms that spend on R&D (%)	110	4.1
Inputs of societal innovation	82	29.5
High-skilled employment (%)	95	16.4
Intellectual property payments (% total trade)	n/a	n/a
State of cluster development	95	42.6
Outputs	95	31.4
Outputs of R&D institutions	80	34.2
Average documents per researcher	n/a	n/a
Citations per document	82	32.8
Resident patent applications (per 100 billion GDP)	102	35.6
Outputs of RDI in business enterprises	117	16.8
Intellectual property receipts (% total trade)	n/a	n/a
Industrial design applications (per 100 billion GDP)	113	29.1
PCT applications (per 100 billion GDP)	124	0.2
Firms producing new products and services (%)	86	21.2
Outputs of societal innovation	45	40.3
Trademark applications (per 100 billion GDP)	62	15.4
Cultural goods exports (% exports)	14	89.8
Printing and publishing output (% manufactured output)	58	15.6
Impact	134	12.5
Quality	94	15.5
Research institutions prominence	79	6.2
Growth of innovative companies	101	42.6
ISO 9001 quality certificates (per billion GDP)	68	10.5
ISO 14001 environmental certificates (per billion GDP)	96	2.9
Linkages	122	3.8
GERD financed from abroad (%)	n/a	n/a
Joint ventures per strategic alliance deals (per billion GDP)	65	5.9
Computer software spending (% GDP)	118	1.7
Business development	127	18.1
New business density per thousand population	85	5.6
Firms with products and services new to the market (%)	114	30.6



NEPAL

	Rank	Value
INFORMATION AND COMMUNICATIONS TECHNOLOGY	104	36.2
Infrastructure	120	36.6
Coverage	123	35.7
3G/4G mobile network coverage (% population)	132	30
Secure Internet servers per 1 million population	95	41.5
Investment in telecommunication services (% GDP)	n/a	n/a
Quality	100	8.7
Mobile upload and download speeds	133	4
Fixed-broadband upload and download speeds	68	22.1
Fixed-broadband subscriptions by speed per hundred people	127	0.1
Affordability	112	65.3
Fixed broadband basket (% GNI per capita)	106	53
Mobile broadband basket (% GNI per capita)	106	83.7
Internet and telephony competition	116	59.4
Access	50	49.7
Subscriptions	100	49.7
Active mobile-broadband subscriptions per hundred inhabitants	78	44.5
International Internet bandwidth per user	102	50.7
Households with Internet access at home (%)	106	53.8
Skills and employment	n/a	n/a
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	n/a	n/a
ICT employment (%)	n/a	n/a
Usage	131	22.3
Services	122	22.3
Government online services	116	44.8
Fixed broadband Internet traffic per subscription	113	0
Mobile broadband Internet traffic per subscription	132	0.4
Internet users (%)	110	44
Outcomes	133	22.4
ICT PCT patent applications (per 100 billion GDP)	n/a	n/a
E-participation	127	21.9
Internet activities by individuals (%)	n/a	n/a
Trade in digitally deliverable services (% total trade)	97	22.8
ECONOMY	120	42.1
Economic competitiveness	77	53.2
Infrastructure investment	103	45.2
Gross fixed capital formation (% GDP)	41	44.2
Logistics performance	99	37.8
Transport productive capacity	88	32.2
Building quality control	95	66.7
Business agility	54	61.2
Ease of starting a business	109	81.7
Insolvency recovery rate	54	44.9
Entrepreneurial employee activity rate	n/a	n/a
Extent of corporate transparency	78	57.1
Economic openness	135	31.4
Trade and diversification	128	37.4
Trade (% GDP)	119	6.4
High-technology trade (% total trade)	47	22.4
Product concentration	38	84.7
Market concentration	137	36.2
Financial openness	132	25.3
Chinn-Ito financial openness	88	16.3
Foreign direct investment, net inflows (% GDP)	125	34.4
Debt dynamics	n/a	n/a
Financing and domestic value added	120	41.8
Financing and taxes	42	63.7
Domestic credit to private sector (% GDP)	24	37.1
MSME financing gap (% GDP)	52	77.5
Tax and contribution rate (% profit)	83	57.7
Bank non-performing loans (%)	71	82.6
Domestic value added	137	19.9
Medium- and high-tech activities value added	101	11.1
Industry and services value added (% GDP)	129	49
Labour underutilization rate	135	13.3
Output per worker	109	6.1

	Rank	Value
ENABLING ENVIRONMENT	99	48.1
Governance	95	35.3
Political environment	74	41.3
Peace and stability	81	37.7
Voice and accountability	77	44.9
Quality of institutions	103	29.2
Rule of law	91	37.7
Control of corruption	92	34
Government effectiveness	125	16
Socio-economic	117	40.9
Gender equity	124	51.4
Female-to-male ratio in parliament	48	49.5
Female-to-male labour force participation	124	53.3
Female-to-male ratio in Internet usage	n/a	n/a
Social inclusion	126	35.5
Social protection coverage (% population)	101	19
Adult literacy rate	96	60.3
Youth not in employment, education or training (%)	128	27.2
Standard of living	82	35.8
Poverty headcount ratio (% population)	55	68.7
GDP per capita	119	2.9
Health and environment	36	68.1
Health	103	61.8
Universal health coverage	108	53.7
Healthy life expectancy (years)	100	53.7
Under-five mortality rate	100	77.9
Environmental performance	27	74.4
Renewable energy consumption (%)	18	76.5
Ecological footprint per capita	10	97.6
Natural hazard exposure	112	49

* All values are normalized to a scale from 0 (worst) to 100 (best).