

GKI RANK 93/141 SCORE

43.7

WORLD AVERAGE

47.8

COUNTRY PERFORMANCE SUMMARY

Sri Lanka is a modest performer in terms of its knowledge infrastructure. It ranks 93rd out of 141 countries in the Global Knowledge Index 2024 and 30th out of the 35 countries with high human development.

SRI LANKA

KEY INDICATORS

GDP (US\$ billions): 287.132 Population: 22,971,617

HDI: 0.78

AREAS OF STRENGTH

- Citable documents per R&D personnel in higher education
- Average documents per researcher
- Mobile broadband basket (% GNI per capita)
- Printing and publishing output (% manufactured output)
- Manufacturing employment (%)

AREAS OF IMPROVEMENT

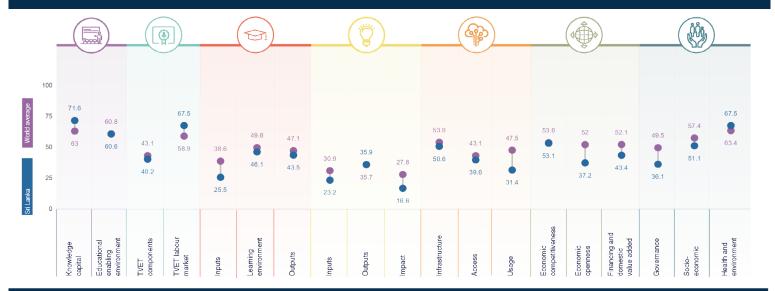
- Government expenditure on vocational education (%)
- Educational attainment rate, bachelor's or equivalent
- Government expenditure on primary education (% GDP)
- Building quality control
- Female-to-male ratio in parliament

SECTORAL INDICES





GKI PILLARS





SRI LANKA

PRE-BUNIVERSITY EDUCATION 74 66.1 Knowledge capital 60 71.6 Errordment 63 88.7 Net errordment rate in impers secondary education 34 98 Net errordment rate in upper secondary education 72 76.5 Completion 82 66.2 Completion rate in upper secondary education 77 46.8 Completion rate in upper secondary education 77 46.8 Completion rate in upper secondary education 33 67.5 Completion rate in upper secondary education 38 67.5 Outcomes 46 69 Assessment of 15-year-old students in math, science and reading n/n n/n n/a Learning-adjusted years of schooling 68 59 59 Educational enabling environment 48 60.6 68 Expenditure 122 10.6 69 Government expenditure on secondary education (% GDP) 133 7.1 Government funding per primary student (% GDP per capita) 103 104 Resources			Value
Enrolment rate in primary education 34 98	PRE-UNIVERSITY EDUCATION	74	66.1
Net enrolment rate in primary education 34 98 Net enrolment rate in lower secondary education 61 94.7 Net enrolment rate in upper secondary education 72 76.5 Completion 32 66.2 Years of Computory education in primary and secondary 30 84.6 Completion rate in upper secondary education 77 46.6 Gross intake ratio to the last grade of lower secondary education 46 59 Assessment of 15-year-old students in math, science and reading n/a 14 Learning-adjusted years of schooling 88 59 Educational enabling environment 84 60.6 Expenditure 122 10.8 Government expenditure on primary education (% GDP) 120 8.9 Government trunding per primary student (% GDP per capita) 100 16 Government funding per primary student (% GDP per capita) 103 10.4 Resources 46 84.4 Pupli-trained teacher ratio in primary education (%) 62 77.2 Schools with access to computers in secondary education (%) 62	Knowledge capital	60	71.6
Not enrolment rate in lower secondary education 61 94,7 Net enrolment rate in upper secondary education 72 76,5 Completion 82 66.2 Years of compulsory education in primary and secondary 30 84,6 Gross intake ratio to the last grade of lower secondary education 38 67.5 Outcomes 46 59 Assessment of 15-year-old students in math, science and reading n/a n/a Learning-adjusted years of schooling 88 59 Educational enabling environment 84 60.6 Expenditure 122 10.0 Government expenditure on primary education (% GDP) 13 7.1 Government funding per primary student (% GDP) per capita) 106 16 Government funding per primary student (% GDP) per capita) 106 16 Government funding per primary student (% GDP) per capita) 106 16 Government funding per primary student (% GDP) per capita) 106 16 Government funding per primary student (% GDP) per capita) 106 16 Government funding per primary student (% GDP)	Enrolment	63	89.7
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Gross intake ratio to the last grade of lower secondary education 38 67.5 Outcomes 46 59 Assessment of 15-year-old students in math, science and reading n/a n/a Learning-adjusted years of schooling 68 59 Educational enabling environment 84 60.6 Expenditure 122 10.8 Government expenditure on primary education (% GDP) 113 7.1 Government funding per primary student (% GDP per capita) 106 16 Government funding per primary student (% GDP per capita) 103 10.4 Resources 64 84.4 Pupil-trained teacher ratio in primary education 53 86.3 Schools with access to computers in primary education (%) 62 77.2 Schools with access to computers in secondary education (%) 78 88.7 Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track n/a n/a Proportion of children with stimulating home learning environments n/a <td>. , , , , ,</td> <td></td> <td></td>	. , , , , ,		
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Government expenditure on secondary education (% GDP) 113 7.1 Government funding per primary student (% GDP per capita) 106 16 Government funding per primary student (% GDP per capita) 103 10.4 Resources 64 84.4 Pupil-trained teacher ratio in primary education 53 86.3 Pupil-trained teacher ratio in secondary education 49 85.3 Schools with access to computers in primary education (%) 78 88.7 Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track n/a n/a Proportion of children with stimulating home learning environments n/a n/a Proportion of children with stimulating home learning environments n/a n/a Completion rate in upper secondary education, gender parity n/a n/a Completion rate in upper secondary education, location parity n/a n/a Completion rate in upper secondary education, location parity n/a n/a TECHINICAL AND VOCATIONAL EDUCATION AND TRAINING 56	Expenditure	122	10.6
Government funding per primary student (% GDP per capita) 106 16 Government funding per secondary student (% GDP per capita) 103 10.4 Resources 64 84.4 Pupil-trained teacher ratio in primary education 53 86.3 Pupil-trained teacher ratio in secondary education (%) 62 77.2 Schools with access to computers in primary education (%) 78 88.7 Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track n/a n/a Proportion of children with stimulating home learning environments n/a n/a Proportion of children with stimulating home learning environments n/a n/a Proportion of children with stimulating home learning environments n/a n/a Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity n/a n/a Completion rate in upper secondary education, location parity 48 82.7 TECHINICAL AND VOCATIONAL EDUCATION AND TRAINING 56 53.8 <td>Government expenditure on primary education (% GDP)</td> <td>120</td> <td>8.9</td>	Government expenditure on primary education (% GDP)	120	8.9
Government funding per secondary student (% GDP per capita) 103 10.4 Resources 64 84.4 Pupil-trained teacher ratio in primary education 53 86.3 Pupil-trained teacher ratio in secondary education 49 85.3 Schools with access to computers in primary education (%) 62 77.2 Schools with access to computers in secondary education (%) 78 88.7 Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track n/a n/a Proportion of children with stimulating home learning environments n/a n/a Proportion of children with stimulating home learning environments n/a n/a Equity and inclusiveness 50 79.3 3.4 Completion rate in upper secondary education, gender parity 33 75.5 Completion rate in upper secondary education, location parity 48 82.7 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 56 53.8 TVET components 84 40.2 <t< td=""><td>Government expenditure on secondary education (% GDP)</td><td>113</td><td>7.1</td></t<>	Government expenditure on secondary education (% GDP)	113	7.1
Resources 64 84.4 Pupil-trained teacher ratio in primary education 53 86.3 Pupil-trained teacher ratio in secondary education 49 85.3 Schools with access to computers in primary education (%) 62 77.2 Schools with access to computers in secondary education (%) 78 88.7 Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track n/a n/a Proportion of children with stimulating home learning environments n/a n/a Proportion of children with stimulating home learning environments n/a n/a Equity and inclusiveness 50 79.1 Completion rate in upper secondary education 50 83.4 Completion rate in upper secondary education, location parity 48 82.7 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 56 53.8 TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) 97	Government funding per primary student (% GDP per capita)	106	16
Pupil-trained teacher ratio in primary education 53 86.3 Pupil-trained teacher ratio in secondary education 49 85.3 Schools with access to computers in primary education (%) 62 77.2 Schools with access to computers in secondary education (%) 78 88.7 Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track n/a n/a n/a Proportion of children with stimulating home learning environments n/a n/a Pupil-trained teacher ratio in pre-primary education 50 83.4 Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity 93 75.5 Completion rate in upper secondary education, wealth parity n/a n/a n/a Completion rate in upper secondary education, location parity 18 82.7 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 18 53.8 TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) 97 19.3 Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 10 100 TVET quality and qualifications 90 40.1 Extent of staff training 92 60.7 Quality of vocational training 93 1.4 TVET isourcational training 94 2.5 Ratio of high-skill TVET occupations earnings to average wage 99 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Efficiency of the labour market 47 7.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers 19 7.4 Employment enducational mismatch (%) 92 58.5 Employment enducational education, gender parity 57 81.1	Government funding per secondary student (% GDP per capita)	103	10.4
Pupil-trained teacher ratio in secondary education 49 85.3 Schools with access to computers in primary education (%) 62 77.2 Schools with access to computers in secondary education (%) 78 88.7 Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track 79 70 71 72 Proportion of children with stimulating home learning environments 71 72 73 74 74 Pupil-trained teacher ratio in pre-primary education 50 83.4 Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity 93 75.5 Completion rate in upper secondary education, wealth parity 71 74 75 75 Completion rate in upper secondary education, location parity 71 74 75 75 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 75 83.8 TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) 97 19.3 Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 108 4.5 Extent of staff training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 64 25 Efficiency of the labour market 46 72.6 Efficiency of the labour market 46 72.6 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers 71 74 69.4 Enryloyment educational education 92 58.5 Equity and inclusiveness 74 69.4 Enryloyment in vocational education, gender parity 57 81.1	Resources	64	84.4
Schools with access to computers in primary education (%) Schools with access to computers in secondary education (%) Rearly learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track And not a not children with stimulating home learning environments And not a not children with stimulating home learning environments And not a not children with stimulating home learning environments And not a not children with stimulating home learning environments And not a not children with stimulating home learning environments And pupil-trained teacher ratio in pre-primary education Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity And not	Pupil-trained teacher ratio in primary education	53	86.3
Schools with access to computers in secondary education (%) Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track A n/a n/a Proportion of children with stimulating home learning environments A n/a Pupil-trained teacher ratio in pre-primary education Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity 70 93 75.5 Completion rate in upper secondary education, wealth parity 71 n/a n/a Completion rate in upper secondary education, location parity 82.7 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 71 10 10 10 10 10 10 10 10 10 10 10 10 10	Pupil-trained teacher ratio in secondary education	49	85.3
Early learning 47 68.5 Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track n/a	Schools with access to computers in primary education (%)	62	77.2
Gross enrolment ratio in early childhood education 48 53.7 Proportion of children who are developmentally on track n/a n/a n/a n/a n/a proportion of children with stimulating home learning environments n/a n/a n/a pupil-trained teacher ratio in pre-primary education 50 83.4 Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity 93 75.5 Completion rate in upper secondary education, wealth parity n/a	Schools with access to computers in secondary education (%)	78	88.7
Proportion of children who are developmentally on track n/a	Early learning	47	68.5
Proportion of children with stimulating home learning environments n/a n/a Pupil-trained teacher ratio in pre-primary education 50 83.4 Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity 75.5 Completion rate in upper secondary education, wealth parity 76 Completion rate in upper secondary education, location parity 77 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 78 TVET components 84 84 82.7 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 79 19.3 Labour force participation rate with short-cycle tertiary education 86.1 Participation rate in formal and non-formal education and training 70 TVET structure 91 34.8 Government expenditure on vocational education (%) 80 80 80 80 81 81 81 82 TVET quality and qualifications 81 82 Ratio of high-skill TVET occupations earnings to average wage 83 84 85 Ratio of medium-skill TVET occupations earnings to average wage 84 85 Ratio of medium-skill TVET occupations earnings to average wage 87 Ratio of high-skill TVET occupations earnings to average wage 87 Ratio of medium-skill TVET occupations earnings to average wage 87 Ratio of skilded production workers 88 89 89 80 80 80 80 80 80 80	Gross enrolment ratio in early childhood education	48	53.7
Pupil-trained teacher ratio in pre-primary education 50 83.4 Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity 93 75.5 Completion rate in upper secondary education, wealth parity n/a n/a Completion rate in upper secondary education, wealth parity 48 82.7 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 56 53.8 TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) 97 19.3 Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 11 100 TVET quality and qualifications 90 40.1 Extent of staff training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a 10.5 Proportion of skilled production workers n/a n/a 10.5 Proportion of skilled production workers 17 69.4 Equity and inclusiveness 18 60.5 Equity and inclusiveness 19 60.5 Equity an	Proportion of children who are developmentally on track	n/a	n/a
Equity and inclusiveness 50 79.1 Completion rate in upper secondary education, gender parity 93 75.5 Completion rate in upper secondary education, wealth parity n/a n/a completion rate in upper secondary education, wealth parity 48 82.7 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 56 53.8 TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) 97 19.3 Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 46 72.6 Efficiency of the labour market 46 72.6 Efficiency of the labour market 46 72.6 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Proportion of children with stimulating home learning environments	n/a	n/a
Completion rate in upper secondary education, gender parity n/a n/a n/a n/a completion rate in upper secondary education, wealth parity n/a n/a n/a completion rate in upper secondary education, location parity 48 82.7 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 56 53.8 TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) 97 19.3 Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 56 60.5 Share of TVET occupations 56 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Pupil-trained teacher ratio in pre-primary education	50	83.4
Completion rate in upper secondary education, wealth parity Completion rate in upper secondary education, location parity RECHNICAL AND VOCATIONAL EDUCATION AND TRAINING So 53.8 TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 100 TVET quality and qualifications Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 84 25 Ratio of medium-skill TVET occupations earnings to average wage 85 21.4 TVET labour market 46 72.6 Firms constrained with inadequately educated workforce (%) Froportion of skilled production workers 10 10 20 58.5 Employment educational mismatch (%) Proportion of skilled production workers 11 20 58.5 Manufacturing employment (%) Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Equity and inclusiveness	50	79.1
Completion rate in upper secondary education, location parity TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 84 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 40 67.5 Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Froportion of skilled production workers Unemployment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education 57 82.2 Post-TVET employment Share of TVET occupations 69.4 Manufacturing employment (%) Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Completion rate in upper secondary education, gender parity	93	75.5
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 84 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 40 67.5 Efficiency of the labour market Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education 57 82.2 Post-TVET employment Share of TVET occupations 81 40.2 82 60.5 Share of TVET occupations 83 81.1 Enrolment in vocational education, gender parity 57 81.1	Completion rate in upper secondary education, wealth parity	n/a	n/a
TVET components 84 40.2 Continuous training and skilling 62 45.7 Firms offering formal training (%) 97 19.3 Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 46 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 <td>Completion rate in upper secondary education, location parity</td> <td>48</td> <td>82.7</td>	Completion rate in upper secondary education, location parity	48	82.7
Continuous training and skilling Firms offering formal training (%) Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Froportion of skilled production workers Unemployment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education 57 82.2 Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	56	53.8
Firms offering formal training (%) 97 19.3 Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers <td< td=""><td>TVET components</td><td>84</td><td>40.2</td></td<>	TVET components	84	40.2
Labour force participation rate with short-cycle tertiary education 18 86.1 Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education	Continuous training and skilling	62	45.7
Participation rate in formal and non-formal education and training 53 31.7 TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4	Firms offering formal training (%)	97	19.3
TVET structure 92 34.8 Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 46 72.6 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing emp	Labour force participation rate with short-cycle tertiary education	18	86.1
Government expenditure on vocational education (%) 80 0 Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equ	Participation rate in formal and non-formal education and training	53	31.7
Share of students enrolled in secondary vocational programmes 108 4.5 Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational ed	TVET structure	92	34.8
Share of students enrolled in post-secondary vocational programmes 1 100 TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Government expenditure on vocational education (%)	80	0
TVET quality and qualifications 90 40.1 Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Share of students enrolled in secondary vocational programmes	108	4.5
Extent of staff training 52 60.7 Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Share of students enrolled in post-secondary vocational programmes	1	100
Quality of vocational training 71 53.4 Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	TVET quality and qualifications	90	40.1
Ratio of high-skill TVET occupations earnings to average wage 64 25 Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Extent of staff training	52	60.7
Ratio of medium-skill TVET occupations earnings to average wage 89 21.4 TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Extent of stain training	71	53.4
TVET labour market 42 67.5 Efficiency of the labour market 46 72.6 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1			25
Efficiency of the labour market 46 72.8 Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training	64	
Firms constrained with inadequately educated workforce (%) 54 74.7 Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage		21.4
Employment educational mismatch (%) 64 60.8 Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage	89	
Proportion of skilled production workers n/a n/a Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market	89 42	67.5
Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market	89 42 46	67.5 72.6
Unemployment rate with vocational education 57 82.2 Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%)	89 42 46 54	67.5 72.6 74.7
Post-TVET employment 25 60.5 Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%)	89 42 46 54 64	67.5 72.6 74.7 60.8
Share of TVET occupations 55 62.4 Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers	89 42 46 54 64 n/a	67.5 72.6 74.7 60.8 n/a
Manufacturing employment (%) 20 58.5 Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education	89 42 46 54 64 n/a 57	67.5 72.6 74.7 60.8 n/a 82.2
Equity and inclusiveness 74 69.4 Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment	89 42 46 54 64 n/a 57 25	67.5 72.6 74.7 60.8 n/a 82.2 60.5
Enrolment in vocational education, gender parity 57 81.1	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations	89 42 46 54 64 n/a 57 25	67.5 72.6 74.7 60.8 n/a 82.2 60.5 62.4
	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%)	89 42 46 54 64 n/a 57 25 55	67.5 72.6 74.7 60.8 n/a 82.2 60.5 62.4 58.5
	Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness	89 42 46 54 64 n/a 57 25 55 20 74	67.5 72.6 74.7 60.8 n/a 82.2 60.5 62.4 58.5

Paper Pape			
Paper Pape		Rank	Value
Page	HIGHER EDUCATION	96	38.4
Page	Inputs	117	25.5
Concentration of expenditure per tertiary student S3 S1 S2 S3 S3 S3 S3 S3 S3 S3	·		
Peaching staff compensation (% tertiary expenditure)			
Part			
Commonent in bachelor's or equivalent level (%) 99 1.5	Teaching staff compensation (% tertiary expenditure)	52	37.1
Enrolment in master's, doctoral or equivalent (%) 64 13.3 Resources 117 41.4 Publi-leacher ratio in tertilary education 100 50.9 Researchers in higher education (%) 77 31.9 Researchers in higher education (%) 77 31.9 Researchers in higher education, (%) 75 51.9 Include the interest of the control	Enrolment	86	12.4
117	Enrolment in bachelor's or equivalent level (%)	96	11.5
Pup In Heacher ratio in tertiany education 100 50.0 Researchers in higher education (%) 77 31.9 Researchers in tertiany education, gender parity 51 75.9 Moverally and cardermic freedom 90 61.6 Equity and inclusiveness 70 10 Gross attendance ratio for tertiany education, earling parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education 10 22 Statistiment 190	Enrolment in master's, doctoral or equivalent (%)	64	13.3
Pup In Heacher ratio in tertiany education 100 50.0 Researchers in higher education (%) 77 31.9 Researchers in tertiany education, gender parity 51 75.9 Moverally and cardermic freedom 90 61.6 Equity and inclusiveness 70 10 Gross attendance ratio for tertiany education, earling parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education, location parity 70 70 Gross attendance ratio for tertiany education 10 22 Statistiment 190	Resources	117	41.4
Researchers in higher education (%) 77 31.9 Learning environment 82 46.1 Diversity and academic freedom 82 46.1 Collection of Interior education, gender parity 51 75.9 Included mobility rate 105 1 Cacademic freedom 90 61.8 Capity and inclusiveness n/a n/a Gross attendance ratio for tertiary education, pender parity n/a n/a Gross attendance ratio for tertiary education, ceatin parity n/a n/a Gross attendance ratio for tertiary education, ceatin parity n/a n/a Gross attendance ratio for tertiary education, ceatin parity n/a n/a Claudational attainment rate, beneficial or equivalent 112 2.2 Station 4.3 4.3 4.3 Maturity 4.3 4.3 4.3 Maturity 4.4 4.5 4.2 Maturity 4.4 4.3 4.5 Maturity 4.4 4.5 4.2 Maturity 4.4 4.			
Searning environment		100	
Diversity and academic freedom \$2	Researchers in higher education (%)	77	31.9
Packathors in tertiary education, gender parity 51 75,9	Learning environment	82	46.1
	Diversity and academic freedom	82	46.1
	Teachers in tertiary education, gender parity	51	75.9
Academic freedom 90 61.6 Equity and Inclusiveness n/a n/a Gross attendance ratio for tertiary education, gender parity n/a n/a Gross attendance ratio for tertiary education, location parity n/a n/a Gross attendance ratio for tertiary education, location parity n/a n/a Schtainment 130 2.2 Attainment 130 2.2 Educational attainment rate, bachelor's or equivalent 101 3.2 Educational attainment rate, doctoral or equivalent 101 3.2 Employment 56 6.2 3.2 Employment rate with advanced education 75 8.2. Impact 2.2 3.2 1.2 Investigation 3.2 3.2 1.2 <			
Page	•		
Gross attendance ratio for tertiary education, gender parity n/a n/a Gross attendance ratio for tertiary education, wealth parity n/a n/a Outputs 84 43.5 Statismment 130 2.2 Educational attainment rate, bachelor's or equivalent 101 3.2 Educational attainment rate, bachelor's or equivalent 101 3.2 Educational attainment rate, coctoral or equivalent 101 3.2 Educational attainment rate, which advanced education 38 81.4 Jeneployment 56 82 Labour force participation rate with advanced education 75 8.2 Employment 43 46.2 Jeneployment rate with advanced education 75 8.2 Jeneployment rate with advanced education 75 8.2 Jeneployment rate with advanced education 75 8.2 Jeneployment rate with advanced education 10 47.5 Expenditure 80 2.2 2.2 Jeneployment rate with advanced education 10 4.5 Jeneployment	Academic freedom	90	61.6
Bross attendance ratio for tertiary education, wealth parity n/a n/a Bross attendance ratio for tertiary education, location parity n/a n/a Joulputts 84 43.5 Statismment 130 2.2 Educational attainment rate, bachelor's or equivalent 101 3.2 Educational attainment rate, doctoral or equivalent 101 3.2 Educational attainment rate, doctoral or equivalent 10a n/a Imployment 55 82.6 Jacobility of the participation rate with advanced education 38 81.4 Jennipolyment rate with advanced education 43 46.2 Abour force participation rate with advanced education 10 45.2 Abour force participation rate with advanced education 10 45.2 Abour force participation rate with advanced education 10 45.2 Apple of RAD personnel in higher education 10 45.2 RESEARCH, DEVELOPMENT AND INNOVATION 100 25.3 REPERSOR (% GOP) 105 1.9 SERED personnel in biline and participations 28 22.2	Equity and inclusiveness	n/a	n/a
Stross attendance ratio for tertiary education, location parity n/a	Gross attendance ratio for tertiary education, gender parity	n/a	n/a
Stross attendance ratio for tertiary education, location parity n/a	Gross attendance ratio for tertiary education, wealth parity	n/a	n/a
Dutputs 84 43.5 Attainment 130 2.2 Educational attainment rate, bachelor's or equivalent 132 1.3 Educational attainment rate, master's or equivalent 101 3.2 Educational attainment rate, doctoral or equivalent n/a n/a Employment 56 82 Labour force participation rate with advanced education 38 81.4 Onemployment rate with advanced education 75 82.6 Import 43 46.2 University-industry collaboration in R&D 61 47.5 Elable documents per R&D personnel in higher education 10 44.9 RESESARCH, DEVELOPMENT AND INNOVATION 100 25.3 Uputs 92 23.2 Uputs 93 20.7			
Statismment 130 2.2			
Educational attainment rate, bachelor's or equivalent 132 1.3 and 132 and 132 and 133 and 133 and 134	Outputs	84	43.5
Educational attainment rate, master's or equivalent 101 3.2	Attainment	130	2.2
Educational attainment rate, master's or equivalent 101 3.2	Educational attainment rate, bachelor's or equivalent	132	1.3
Educational attainment rate, doctoral or equivalent n/a	•		
Semployment			
about force participation rate with advanced education 38 81.4 Jonemployment rate with advanced education 75 82.6 Impact 43 46.2 Joniversity-industry collaboration in R&D 61 47.5 Eable documents per R&D personnel in higher education 10 44.5 Eable documents per R&D personnel in higher education 10 45.3 Inputs 92 23.2 Inputs of R&D institutions 93 20.7 SERD (% GDP) 105 1.9 SERD (% GDP) 105 1.9 SERD per researcher 87 1.5 Researchers per thousand labour force 87 1.5 RETAIL price in publications per researcher 43 60 SERD performed by business enterprises (%) 70 1.1 SERD performed by business enterprises (%) 51 24.1 Research i	Educational attainment rate, doctoral or equivalent	n/a	n/a
Intemployment rate with advanced education 75 82.6 Impact 43 46.2 Inhiversity-industry collaboration in R&D 61 47.5 Citable documents per R&D personnel in higher education 10 44.9 RESEARCH, DEVELOPMENT AND INNOVATION 100 25.3 Inputs 92 23.2 Inputs of R&D institutions 93 20.7 SERD per researcher 59 19.5 Researchers per thousand labour force 87 1.5 Gertiary graduates from STEM programmes (%) 43 60 Determed by business enterprises 62 25 SERD performed by business enterprises (%) 70 1.1 SERD financed by business enterprises (%) 44 49.8 Researchers in business enterprises (%) 44 49.8 Researchers in business enterprises (%) 70 1.1 SERD financed by business enterprises (%) 70 1.1 BERD financed R&D (%) 70 1.2 District of cluster development (%) 66 21.7 Sector f	Employment	56	82
A	_abour force participation rate with advanced education	38	81.4
A	Unemployment rate with advanced education	75	82.6
Diversity-industry collaboration in R&D 61 47.5 47			40.0
Addition			
RESEARCH, DEVELOPMENT AND INNOVATION 100 25.3 Inputs 92 23.2 Inputs of R&D institutions 93 20.7 SERD (% GDP) 105 1.9 SERD per researcher 59 19.5 Researchers per thousand labour force 87 1.5 Gretral of graduates from STEM programmes (%) 43 60 Inputs of RDI in business enterprises 62 25 SERD performed by business enterprises (%) 70 1.1 GRESSARCHER in business enterprises (%) 44 49.8 Researchers in business enterprises (%) 44 49.8 Researchers in business enterprises (%) 51 24.1 Eirms that spend on R&D (%) 7a n/a n/a Researchers in business enterprises (%) 86 21.7 Biglies will de employment (%) 86 21.7 Biglies will de employment (%) 86 21.7 Biglies of Custer development 76 46.4 Duty to of R&D institutions 56 40.9 Average documents per resea	Jniversity-industry collaboration in R&D	61	47.5
Inputs 92 23.2 Inputs of R&D institutions 93 20.7 SERD (% GDP) 105 1.9 SERD per researcher 59 19.5 Researchers per thousand labour force 87 1.5 Fertiary graduates from STEM programmes (%) 43 60 Inputs of RDI in business enterprises 62 25 SERD financed by business enterprises (%) 70 1.1 SERD performed by business enterprises (%) 51 24.1 Researchers in business enterprises (%) 51 24.1 Firms that spend on R&D (%) n/a n/a Inflanced by business enterprises (%) 51 24.1 Firms that spend on R&D (%) n/a n/a Inflanced by business enterprises (%) 51 24.1 Firms that spend on R&D (%) n/a n/a Intellectual property payments (% total trade) 68 11.4 State of cluster development 76 46.4 Dutputs of R&D institutions 58 40.9 Average documents per researcher <th< td=""><td>Citable documents per R&D personnel in higher education</td><td>10</td><td>44.9</td></th<>	Citable documents per R&D personnel in higher education	10	44.9
### Page 12			
### Page 12		92	23.2
SERD (% GDP)			
SERD per researcher 59 19.5	nputs of R&D institutions		20.7
Researchers per thousand labour force 87 1.5 Fertiary graduates from STEM programmes (%) 43 60 Inputs of RDI in business enterprises 62 25 GERD performed by business enterprises (%) 70 1.1 GERD financed by business enterprises (%) 44 49.8 Researchers in business enterprises (%) 51 24.1 Firms that spend on R&D (%) n/a n/a Inputs of societal innovation 93 26.5 High-skilled employment (%) 86 21.7 Intellectual property payments (% total trade) 68 11.4 State of cluster development 76 46.4 Dutputs 59 35.9 Average documents per researcher 12 48.1 Citations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 76 0.8<	GERD (% GDP)	105	1.9
Erritary graduates from STEM programmes (%) 43 60 Inputs of RDI in business enterprises 62 25 GERD performed by business enterprises (%) 70 1.1 GERD financed by business enterprises (%) 44 49.8 Researchers in business enterprises (%) 51 24.1 Erims that spend on R&D (%) n/a n/a Inputs of societal innovation 93 26.5 High-skilled employment (%) 36 21.7 Intellectual property payments (% total trade) 68 11.4 State of cluster development 76 46.4 Dutputs 59 35.9 Dutputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Citations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7	GERD per researcher	59	19.5
Erritary graduates from STEM programmes (%) 43 60 Inputs of RDI in business enterprises 62 25 GERD performed by business enterprises (%) 70 1.1 GERD financed by business enterprises (%) 44 49.8 Researchers in business enterprises (%) 51 24.1 Erims that spend on R&D (%) n/a n/a Inputs of societal innovation 93 26.5 High-skilled employment (%) 36 21.7 Intellectual property payments (% total trade) 68 11.4 State of cluster development 76 46.4 Dutputs 59 35.9 Dutputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Citations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7	Researchers per thousand labour force	87	1.5
### Page 12 25 25 25 25 25 25 25		42	
SERID performed by business enterprises (%) 70			
BERD financed by business enterprises (%) 44 49.8 Researchers in business enterprises (%) 51 24.1 Firms that spend on R&D (%) n/a n/a Injph-skilled employment (%) 86 21.7 Idjh-skilled employment (%) 88 11.4 State of cluster development 76 46.4 Dutputs 59 35.9 Dutputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Citations per document 98 25.2 Citations per document 98 25.9 Dutputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Citations per document 98 25.2 Citations per document 98 25.2 Portugits of R&D institutions (per 100 billion GDP) 71 49.5 Dutputs of rOI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP)	nputs of RDI in business enterprises	62	25
Researchers in business enterprises (%) 51 24.1 Firms that spend on R&D (%) n/a n/a anputs of societal innovation 93 26.5 digh-skilled employment (%) 86 21.7 ntellectual property payments (% total trade) 68 11.4 State of cluster development 76 46.4 Dutputs 59 35.9 Dutputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Citations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 ntellectual property receipts (% total trade) 64 12.6 ndustrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Firms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Total design applications (per 100 billion GDP) 76 12.1 <	GERD performed by business enterprises (%)	70	1.1
Imms that spend on R&D (%)	GERD financed by business enterprises (%)	44	49.8
Inputs of societal innovation 93 26.5 digh-skilled employment (%) 86 21.7 ntellectual property payments (% total trade) 68 11.4 State of cluster development 76 46.4 Dutputs 59 35.9 Dutputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Citations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Firms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Cultural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Impact 122 16.6	Researchers in business enterprises (%)	51	24.1
### Page 12	Firms that spend on R&D (%)	n/a	n/a
High-skilled employment (%)			
Intellectual property payments (% total trade) State of cluster development 76 46.4 Dutputs 59 35.9 Dutputs Dutputs of R&D institutions Average documents per researcher 12 48.1 Citations per document Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 96 0.8 Firms producing new products and services (%) Invia n/a Dutputs of societal innovation Frademark applications (per 100 billion GDP) 76 12.1 Cultural goods exports (% exports) Printing and publishing output (% manufactured output) 15 41.5 Impact Cuality Research institutions prominence 72 7.7 Frowth of innovative companies SO 9001 quality certificates (per billion GDP) 50 14.4 SO 14001 environmental certificates (per billion GDP) 30 10.6 Linkages 31 24 38 BERD financed from abroad (%) 15 13 38 Longuiters of ware spending (% GDP) 24 150 Business development 15 48 Research unstitutions spending (% GDP) 25 24,8 Business development 18 48 Research solutions (per 100 and population 18 48 Research solutions of per 100 GDP) 19 10.6 10 10 10 10 10 10 10 10 10 10 10 10 10 1	nputs of societal innovation		26.5
State of cluster development 76 46.4 20 35.9	High-skilled employment (%)	86	21.7
Dutputs 59 35.9 Dutputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Ditations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Firms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Trademark applications (per 100 billion GDP) 76 12.1 Cultural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Impact 122 18.6 Quality 76 19.8 Sesearch institutions prominence 72 7.7 Growth of innovative companies 70 48.4 SO 1400	ntellectual property payments (% total trade)	68	11.4
Dutputs 59 35.9 Dutputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Ditations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Firms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Trademark applications (per 100 billion GDP) 76 12.1 Cultural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Impact 122 18.6 Quality 76 19.8 Sesearch institutions prominence 72 7.7 Growth of innovative companies 70 48.4 SO 1400	State of cluster development	76	46.4
Dupputs of R&D institutions 56 40.9 Average documents per researcher 12 48.1 Citations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 intellectual property receipts (% total trade) 64 12.6 industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Pirms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Trademark applications (per 100 billion GDP) 76 12.1 Cultural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Messearch institutions prominence 72 7.7 Growth of innovative companies 70 48.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkage		50	25.0
Average documents per researcher Average document Average document Average document Besident patent applications (per 100 billion GDP) Average document Besident patent applications (per 100 billion GDP) Average document Besident patent applications (per 100 billion GDP) Average descriptions Besident patent applications (per 100 billion GDP) Besident patent applications (per 100 billion GDP) Besident producing new products and services (%) Average documents applications (per 100 billion GDP) Besident applications (per 100 billion GDP) Average documents applications (per 100 billion GDP) Besident applications (per 100 billion GDP) Average documents applications (per 100 billion GDP) Besident applications (per 100 bi			
Citations per document 98 25.2 Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Pirms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Frademark applications (per 100 billion GDP) 76 12.1 Cultural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Impact 122 16.6 Quality 76 19.8 Sesearch institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 57 13.8 Joint ventures per strategic alliance deals (per bill	Outputs of R&D institutions	56	40.9
Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Prims producing new products and services (%) 10 10 10 10 10 10 10 10 10 10 10 10 10	Average documents per researcher	12	48.1
Resident patent applications (per 100 billion GDP) 71 49.5 Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Firms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Frademark applications (per 100 billion GDP) 76 12.1 Cultural goods exports (% exports) 43 73.8 Printing and publishing output (% manufactured output) 15 41.5 Impact 122 16.6 Quality 76 19.8 Sesearch institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 BERD financed from abroad (%) 57	Citations per document	98	25.2
Dutputs of RDI in business enterprises 106 19.3 Intellectual property receipts (% total trade) 64 12.6 Industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 Firms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Frademark applications (per 100 billion GDP) 76 12.1 Cultural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Mpact 122 16.6 Quality 76 19.8 Research institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 SERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37		71	49.5
Intellectual property receipts (% total trade) 64 12.6 industrial design applications (per 100 billion GDP) 89 44.7 PCT applications (per 100 billion GDP) 96 0.8 PCT applications (per 100 billion GDP) 96 12.1 PCT applications (per 100 billion GDP) 76 12.1 PCT applications (per 100 billion GDP) 76 12.1 PCT applications (per 100 billion GDP) 76 12.1 PCT applications (per 100 billion GDP) 15 41.5 PCT applications (per 100 billion GDP) 15 41.5 PCT applications (per 100 billion GDP) 76 19.8 PCT applications (per 100 billion GDP) 16 19.8 PCT applications (per billion GDP) 16 14.4 PCT applications (per billion GDP) 16 14.6 PCT applications (per billion GDP) 16 14.6 PCT applications (per billion GDP) 17 13.8 PCT applications (per billion GDP) 18 18			
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Firms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Grademark applications (per 100 billion GDP) 76 12.1 Duttural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Impact 122 16.6 Quality 76 19.8 Research institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 SERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 Business development 135 4.8 Vew business density per thousand population 92 4.8	ndustrial design applications (per 100 billion GDP)	89	44.7
Firms producing new products and services (%) n/a n/a Dutputs of societal innovation 35 42.4 Grademark applications (per 100 billion GDP) 76 12.1 Duttural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Impact 122 16.6 Quality 76 19.8 Research institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 SERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 Business development 135 4.8 Vew business density per thousand population 92 4.8	PCT applications (per 100 billion GDP)	96	0.8
Dutputs of societal innovation 35 42.4 Grademark applications (per 100 billion GDP) 76 12.1 Cultural goods exports (% exports) 43 73.6 Printing and publishing output (% manufactured output) 15 41.5 Impact 122 16.6 Quality 76 19.8 Research institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 SERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 Business development 135 4.8 Vew business density per thousand population 92 4.8			
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Impact 122 16.6 Quality 76 19.8 Research institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 GERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 Business development 135 4.8 Vew business density per thousand population 92 4.8	Cultural goods exports (% exports)	43	73.6
Impact 122 16.6 Quality 76 19.8 Research institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 GERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 Business development 135 4.8 Vew business density per thousand population 92 4.8	Printing and publishing output (% manufactured output)	15	41.5
Augustity 76 19.8 Research institutions prominence 72 7.7 Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 GERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 3usiness development 135 4.8 New business density per thousand population 92 4.8			
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Growth of innovative companies 70 46.4 SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 GERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 Susiness development 135 4.8 New business density per thousand population 92 4.8	Quality	76	19.8
SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 GERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 3usiness development 135 4.8 New business density per thousand population 92 4.8	Research institutions prominence	72	7.7
SO 9001 quality certificates (per billion GDP) 52 14.4 SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 GERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 3usiness development 135 4.8 New business density per thousand population 92 4.8	Growth of innovative companies	70	46.4
SO 14001 environmental certificates (per billion GDP) 60 10.6 Linkages 42 25.2 SERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 3usiness development 135 4.8 New business density per thousand population 92 4.8			
Linkages 42 25.2 SERD financed from abroad (%) 57 13.8 Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 Business development 135 4.8 New business density per thousand population 92 4.8			
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Joint ventures per strategic alliance deals (per billion GDP) 37 11.6 Computer software spending (% GDP) 21 50.2 Business development 135 4.8 New business density per thousand population 92 4.8	Linkages	42	25.2
Computer software spending (% GDP) 21 50.2 Business development 135 4.8 New business density per thousand population 92 4.8	GERD financed from abroad (%)	57	13.8
Computer software spending (% GDP) 21 50.2 Business development 135 4.8 New business density per thousand population 92 4.8	Joint ventures per strategic alliance deals (per billion GDP)	37	11.6
3usiness development 135 4.8 New business density per thousand population 92 4.8			
New business density per thousand population 92 4.8			
Firms with products and services new to the market (%) n/a n/a	New business density per thousand population	92	4.8
	Firms with products and services new to the market (%)	n/a	n/a



SRI LANKA

INFORMATION AND COMMUNICATIONS TECHNOLOGY	Rank 92	Valu
Infrastructure	83	50.6
Coverage	101	51.3
3G/4G mobile network coverage (% population)	83	95.3
Secure Internet servers per 1 million population	84	46.5
Investment in telecommunication services (% GDP)	116	12.2
Quality	96	9.3
Mobile upload and download speeds	104	7.3
Fixed-broadband upload and download speeds	97	8.9
Fixed-broadband subscriptions by speed per hundred people	90	11.6
Affordability	33	91.2
Fixed broadband basket (% GNI per capita)	20	81.3
Mobile broadband basket (% GNI per capita)	18	98.5
Internet and telephony competition	86	93.8
Access	82	39.6
Subscriptions	96	51
Active mobile-broadband subscriptions per hundred inhabitants	97	34.8
International Internet bandwidth per user	87	53.9
Households with Internet access at home (%)	94	64.2
Skills and employment	64	28.2
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	23	45.7
ICT employment (%)	73	10.7
Usage	108	31.4
Services	115	29.9
Government online services	95	54.9
Fixed broadband Internet traffic per subscription	100	5.8
Mobile broadband Internet traffic per subscription	80	14.4
Internet users (%)	109	44.6
Outcomes	98	32.8
ICT PCT patent applications (per 100 billion GDP)	97	30.9
	102	41.1
Internet activities by individuals (%)	n/a	n/a
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade)	n/a 85	n/a 26.5
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY	n/a 85 106	n/a 26.5 44.5
E-participation Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMIC competitiveness	n/a 85	n/a 26.5 44.5 53.1
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment	n/a 85 106 79	n/a 26.5 44.5 53.1 37.4
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP)	n/a 85 106 79 124 107	n/a 26.5 44.5 53.1 37.4 30.3
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness infrastructure investment Gross fixed capital formation (% GDP) Logistics performance	n/a 85 106 79 124 107 72	n/a 26.5 44.5 53.1 37.4 30.3 45
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity	n/a 85 106 79 124 107 72 80	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control	n/a 85 106 79 124 107 72 80	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility	n/a 85 106 79 124 107 72 80 133 38	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business	n/a 85 106 79 124 107 72 80 133 38	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate	n/a 85 106 79 124 107 72 80 133 38 69 50	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2 48.1
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP)	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2 48.1 6.6
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade)	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2 48.1 6.6 11
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2 48.1 6.6 11 82.4
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2 48.1 6.6 11 82.4 92.6
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 6.6 11 82.4 92.6 26.2
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2 48.1 6.6 11 82.4 92.6 26.2 16.3
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP)	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2 48.1 1 6.6 6.1 11 82.4 92.6 26.2 16.3 36.1
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 37.2 48.1 6.6 11 82.4 92.6 26.2 16.3 36.1 n/a
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 6.6 11 82.4 92.6 26.2 16.3 36.1 n/a 43.4
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and daxes	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111 128	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 6.6 11 6.6 11 6.6 26.2 16.3 36.1 n/a 43.4 42.7
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency ECONOMIC openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP)	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111 128 73	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 6.6 11 82.4 92.6 26.2 16.3 36.1 n/a 43.4 42.7 19
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMY ECONOMY ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing gap (% GDP)	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111 128 73 72	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 6.6 11 82.4 92.6 26.2 16.3 36.1 n/a 43.4 42.7 19 72.9
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency ECONOMIC openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing gap (% GDP) Tax and contribution rate (% profit)	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111 128 73 72 125	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 92.6 26.2 16.3 36.1 n/a 43.4 42.7 19 72.9 36.5
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency ECONOMIC openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing gap (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%)	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111 128 73 72 125 108	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 92.6 26.2 16.3 36.1 n/a 43.4 42.7 19 72.9 36.5 42.3
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency ECONOMIC openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing gap (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%) Domestic value added	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111 128 73 72 125 108	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 6.6 11 82.4 92.6 26.2 16.3 36.1 n/a 43.4 42.7 19 72.9 36.5 42.3 44.1
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency ECONOMIC openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing gap (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%) Domestic value added Medium- and high-tech activities value added	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111 128 73 72 125 108 74 104	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 6.6 11 82.4 92.6 26.2 16.3 36.1 n/a 43.4 42.7 19 72.9 36.5 42.3 44.1 9.5
Internet activities by individuals (%) Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing gap (% GDP) Tax and contribution rate (% profit)	n/a 85 106 79 124 107 72 80 133 38 69 50 n/a 51 122 85 117 103 47 44 130 88 115 n/a 111 128 73 72 125 108	n/a 26.5 44.5 53.1 37.4 30.3 45 34.3 40 68.8 88.2 46.8 n/a 71.4 6.6 11 82.4 92.6 26.2 16.3 36.1 n/a 43.4 42.7 19 72.9 36.5 42.3 44.1

	Rank	Rank Value	
ENABLING ENVIRONMENT	82	51.6	
Governance	93	36.1	
Political environment	104	29.5	
Peace and stability	113	18.9	
Voice and accountability	85	40.1	
Quality of institutions	80	42.8	
Rule of law	63	52.4	
Control of corruption	81	40.1	
Government effectiveness	94	35.8	
Socio-economic	86	51.1	
Gender equity	131	45.7	
Female-to-male ratio in parliament	132	5.6	
Female-to-male labour force participation	129	44.9	
Female-to-male ratio in Internet usage	93	86.5	
Social inclusion	79	63.9	
Social protection coverage (% population)	78	39.8	
Adult literacy rate	62	89	
Youth not in employment, education or training (%)	78	63	
Standard of living	60	43.6	
Poverty headcount ratio (% population)	28	78	
GDP per capita	87	9.3	
Health and environment	44	67.5	
Health	54	79.6	
Universal health coverage	86	66.7	
Healthy life expectancy (years)	36	76.2	
Under-five mortality rate	48	96	
Environmental performance	64	55.3	
Renewable energy consumption (%)	40	50.7	
Ecological footprint per capita	n/a	n/a	
Natural hazard exposure	79	60	

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