Index

Academics, 2
Access to education, 264
Accessibility, 265
Adaptive robots, 90–91
Age of Augmentation, 89
Agility, 56
Agriculture, 75–76
  agriculture-based traditional economies, 8–9
Akashganga, 136
AkiraChix organization, The, 33–34
Akshaya e-centers, 136
Alipay, 208
Allied Market Research, 57
Analog chips, 14
Analytics, advantages mentioned for using, 59–61
Apple, 20, 131–132
Artificial intelligence (AI), 11, 14–15, 28–29, 89–91, 99, 111–112, 159, 188, 192–193, 227, 254, 271, 273
  benefits and disadvantages, 272
  characteristics, 272
  classifications, 272
  role in sustainable development goals, 273
  significance of AI in modern education, 272
  technologies, 114–115
Asian Tigers, 19
Assessment
  and evaluation, 261
  management, 159
Assets-Based Community Development Model, 132–133
Asynchronous e-learning, 265
Augmented reality (AR), 111–112, 268–269
  benefits and drawbacks, 269
  characteristics, 268
  classifications, 268–269
  significance in contemporary education, 269
Autonomous machines, 14

Back-of-house (BoH), 235–236
Badges and prizes, 270
Bangladesh, 65–66, 129
  on digital divide, 139–142
Bangladesh of Software and Information Services (BASIS), 58
Beneficiary Information System (BIS), 195
Better Education, 178–179
Bharat Bill Payment Services (BBPS), 249
Bhoomi, 136–137
Big data, 188
  analysis, 96–97
  analytics, 101, 122–123, 227
Biotechnology, 188
Bitcoin, 97
Blackhawk Network, 12
Blockchain, 97, 123
  blockchain-enabled BMI design, 156
  decentralized system, 156
  in South Africa, 31
  technologies, 118–119
Blockchain technology (*see also* Green technology), 148–149, 160, 227
  industries, 149–151

for security and privacy in industry, 152–153
utilization of blockchain in multiple industries using prudent and secure strategy, 154–160
Bottom-up research methodology, 16
Brazil
digital wallets, 12
economy, 78
practices in, 73–74
Brazil, Russia, India, and China (BRIC), 76
Brazil, Russia, India, China, and South Africa (BRICS), 41, 72
Brazilian Agricultural Research Corporation, 76
Broadcasting model, 140–141
Business in emerging markets, critical significance of technology in development of, 13–15
Business leaders, 45–46
Business models, 15–16, 149–150
Buy now pay later scheme (BNPL scheme), 250

Cable-based broadband, 136–137
Capital investments, 97
Career Growth, 215
Case study, green technology practices and local well-being, 76–78
Central bank digital currency (CBDC), 254
Central China, opportunities for investment in, 16–17
Central digital currency (CDC), 250
Challenges, 13–14
Chatbots, 228–230
Chevron, 131–132
Chief robot officer (CRO), 101–102
Children, 170–171
China's Huawei Technologies, 17
China's Ping An Healthcare & Technology, 14–15
Chinese businesses, 16–17
Circular economy, 40, 111
Climate action, 50, 262
Cloud computing, 14, 120–121, 227
Cloud manufacturing, 119–120
Cloud systems, 90–91
Cloud technology, 94
Cobots, 95
Cognitive computing, 114–115, 124
Collaboration, 95–96
robot, 95–96
Collaborative robotics (CR), 89
Collaborative robots, 121–122
Community, 181
Companies Act (2013), 42, 48, 50
Comparative analysis model, 141
Competitive environments, 15–16
Compound Annual Growth Rate (CAGR), 249
Compulsory education, 260
Computer models, 60–61
Confidentiality, 124
Connected devices, 11–12
Consortium, 153
blockchain, 149–150, 156
Conventional energy sources, 113–114
Coronavirus (COVID-19), 13, 19, 47, 62, 188
outbreak, 119
pandemic, 57–59, 119
Corporate social responsibility (CSR), 41–42, 225–226
Corporates, 41
technologies, 117
Cost-benefit analysis, 131
Creativity, 118, 182
Cred, 208
Critical analysis, 231
of SDG for hospitality industry, 234–235
of sustainable digitization of hospitality industry, 235–237
Critical flow model, 141
Cryptographic protocols, 155–156
Cultural differences, 54
Currency swings, 9–10
Customer loyalty, 228
Customized learning, 265

Cutting-edge technologies, 14–15, 111–112, 117–118, 124
Cyber-physical systems (CPS), 111–112
Cyberphysical cognitive systems (CPSs), 89, 99

Data accessibility, 153
Data analytics, 55, 60–61, 90–91
Data collection
  and analysis, 264
  process, 149
Data mining, 124
Data validation, 150
Decentralized control harm data privacy, 153
Deep learning, 227
DESHIZ, 58
Designers, 119–120
Development of smart cities, 26–27
Digital Bangladesh, 58, 133–134
Digital Banking in India, 30
Digital Boost, 13
Digital chips, 14
Digital divide, 25, 34, 128–129
  Bangladesh and take on, 139–142
  case of United States, 132–133
  E-Government, 129–130
  efforts of India, 135–137
  MicroMentor, 131–132
  and role of E-government in European economies, 133–135
  role of government in minimizing digital divide, 130–131
  South Africa and efforts in bridging digital divide, 137–139
Digital financial services, 30–31
Digital firm, 56
Digital for Impact, 14
Digital health solutions, 28
Digital healthcare services, 32–33
Digital Infrastructure for Knowledge Sharing (DIKSHA), 226–227
Digital libraries, 32
Digital literacy, 25, 64–65, 264
Digital network, 99–100
Digital payment, 247
  challenges, 252–253
  global digital payment scenario, 249–250
  global noncash transaction volume, 250
  government initiatives to promote, 248–249
  Indian Digital Payment Scenario, 251–252
  intensifying competition, 253
  payment infrastructure in India, 248
  recent trends in, 253–255
  regulatory complexity, 253
  technological uncertainty, 252–253
Digital platforms, 29–30
Digital Remittances in the Philippines, 31
Digital revolution, 110
Digital Subscriber Line (DSL), 136–137
Digital technologies, 25–27, 34, 54, 236, 265
  and education, 27–28, 31–32
  and gender equality, 29–30
  and health, 28–29
  to promote gender equality, 33–34
Digital tools, 2
Digital transformation process, 55, 64
Digital twins (DTs), 89, 94–95
Digitalization, 55, 57–58, 64–65, 208
  analytics to achieve digitalization among MSMEs in emerging economies, 57
  of financial services, 212–213
Digitization, 24–26
  advantages for using analytics, 59–61
  analytics to achieve digitalization among MSMEs in emerging economies, 57
  Bangladesh scenario, 57–59
  barriers, 62–64
  findings, 59
  limitations, 66

limited use of analytics, 61–62
literature review, 55–57
methodology, 59
research objectives, 55
Direct to Home channel (DTH channel), 226–227
Distributed ledger technology (DLT), 154–155, 253
Distributed systems, 90–91
Doctor on Demand (digital healthcare platform in Mexico), 32
Doctors to the Barrios (DTTB), 200
Dresner's Business Intelligence Market Study, 57
Drone technologies, 188
Duolingo, 31

E-governance in Bangladesh, 141
E-Government, 129–130
digital divide and role of E–government in European economies, 133–135
E-Government Development Index (EGDI), 141–142
e-health, 188
E-learning, 265–266
advantages, 265
benefits, 265–266
disadvantages, 266
formats, 265
g platforms, 31
importance of E-learning in contemporary educational system, 266
e-RUPI scheme, 254–255
Eco-hotel, 224
Economic growth, 26–27
education linked with, 178–179
Economically weaker section (EWS), 49
Economy, 181
Edge computing (EC), 89, 94
eDoctor (digital healthcare platform in Vietnam), 32
Education, 27–28, 172–173, 226–227
best practices for integrating technology in education, 276–277
challenges and limitations of technology in education, 275–276
digital technologies and, 31–32
emergence of modern education system, 260–261
future of technology in education, 277
of high quality, 264
history and emergence, 260
importance of education in achieving sustainable development goals, 261
Indian *vs.* Finnish model of, 174–177
linked with economic growth, 178–179
literature review excerpts stating importance of Finnish model of, 177
mathematical model depicting education reduces poverty, 179–181
new-age technologies in education system to achieve SGDs, 264–275
quality, 261–262
recommendations for policymakers, educators, and stakeholders, 278
SDGs and, 261–264
system, 260
Education for sustainable development (ESD), 226–227
Electric cars, 10
Electric vehicles (EVs), 11–13
Electrocardiogram (ECG), 200
Electronic health records (EHRs), 28–29
Elementary Education, 172
Embrapa, 76–78, 81
Emerging economies, 24, 26, 54–55, 128, 142–143

analytics to achieve digitalization among MSMEs in, 57
challenges and future opportunities, 34–35
digital financial services, 30–31
digital healthcare services, 32–33
digital technologies and economic growth, 26–27
digital technologies and education, 27–28, 31–32
digital technologies and gender equality, 29–30
digital technologies and health, 28–29
digital technologies to promote gender equality, 33–34
examples from emerging economies, 30–34
literature review, 25–30
SDGs in, 40–41
Emerging market economies, 10
Emerging markets, 8–10, 188
critical significance of technology in development of business in, 13–15
economies, 17–18
growing role of technology in, 14–15
technologies in, 41
Employability, 215
Employees, account company's relationship with, 4–7
Empowerment, 180
End to Poverty, 178–179
Energized Textbooks (ETBs), 226–227
Energy security, 41
Environmental, social, and governance (ESG), 111
Environmentally sensitive hotels, 224
ERP systems, 94, 120
European economies, digital divide and role of E-government in, 133–135
European Union, The, 110
Extracurricular activities, 169–170

Financial decision-making, 214
Financial literacy, 214
Financial technology (Fintech), 10, 207–209, 216
apps, 211–213, 216
benefits, 212
women's access to fintech apps, 213
Finland
educational policies, 184
privileges teachers get in, 177
Finland Education System (FES), 182
Finly, 208
Finnish Education, modus operandi of, 177
Finnish educational policy, 174–175
Finnish Educational System, The, 182–183
Finnish model of education in India
benefits of NEP 2020 toward student community, 173
better education, zero the hunger, and end to poverty, 178–179
education linked with economic growth, 178–179
equating Finnish model to Indian model of education introduction of NEP 2020, 181
features of NEP, 172–173
implications of study, 184
Indian model *vs*., 174–177
literature review excerpts stating importance of, 177
loopholes in Indian Educational System, 168–172
mathematical model depicting education reduces poverty, 179–181
Modus Operandi of Finnish Education, 177
pedagogical approach, 176–177
privileges teachers get in Finland, 177
suggestions, 184

universal quality education, 179
Firms, 56
First Industrial Revolution (Industry 1.0), 99–100, 110
Foreign Direct Investment (FDI), 9, 46
Fourth Industrial Revolution (4IR), 3, 88–90, 110–112, 118
different factors between industry 4.0 and 5.0, 89–93
rebellious, 93
technologies, 111–112
Freedom, 214
Friendship, 191–192
Friendships Community Medic Aides (FCMs), 192

Gamification, 28, 269, 271
benefits and drawbacks, 271
characteristics, 270
significance of gamifications in contemporary education, 271
types, 270–271
Gender equality, 49, 207–208, 262
digital technologies and, 29–30, 33–34
Geographically isolated and disadvantaged areas (GIDAs), 200
"Girls' Voice" project, 34
Good health and well-being, 48
Google Play Store, 19
Government of India (GoI), 226–227
Governments, 35
in minimizing digital divide, 130–131
Green education, 226–227
Green hotels, 224
Green Intellectual Capital (GIC), 41
Green marketing orientation, 224
Green Monday, 3–4
Green technology (*see also* Blockchain technology), 72–73, 80–81
case study, 76–78
literature background, 73–74
local resources, 80
method, 74–78
network, 80
people, 79–80
practices in Brazil, 73–74
research context, 75–76
research design and data collection, 74–75
sustainability, 81–82
Gross domestic product (GDP), 24, 40–41, 54
Gross Enrollment Ratio (GER), 173
Growth, 11
"Gurukul" method of education, 168–169
Gyandoot, 137

Halodoc (digital healthcare platform in Indonesia), 32
Harvard Business Review, 11
Health, 188
digital technologies and, 28–29
Healthcare, 14, 188
in emerging markets and importance, 189–191
services, 188–189
waste management, 201–203
Heckman selection methodology, 133–134
Helium Health, 32
Her Visions App, 33
High volatility caused by rapid change, 8–9
Higher Education Commission of India (HECI), 173
Hospital ships, 192
Hospitality industry, 225–226
achieving SDG, 231–234
critical analysis of SDG for hospitality industry, 234–235
critical analysis of sustainable digitization of hospitality industry, 235–237
findings, 231–237
methodology, 230–231
SDG 1, 231–232

SDG 2, 232
SDG 3, 232
SDG 4, 232
SDG 5, 232–233
SDG 6, 233
SDG 7, 233
SDG 8, 233
SDG 9, 233
SDG 12, 234
SDG 13, 234
SDG 17, 234
Hospitality service providers (HSPs), 235–236
Huawei Global Connectivity Index (2019), 58
Human efficiency and productivity, 117
Human life
challenges and impact on, 100–103
challenges of Industry 5.0, 100–101
impact on, 101–102
Industry 5.0 and SDG, 102–103
Human Resource management, 61
Human society
big data analytics, 122–123
blockchain, 123
and challenges, 123–124
clarifications and modernization, 115–116
cloud computing, 120–121
collaborative robots, 121–122
control of environment, 117–118
creative applications under. 0, 119–120
creativity, 118
efficiency of production line forecast, 118
emphasizes technology human-centered, 114
human efficiency and productivity, 117
industry 5.0, 114–119
innovations and modernization, 118–119
key features of, 116–117
manufacturing of Industrial Robots and Robots future of Industry 5.0, 114–115
manufacturing sector, 119–120
prospects for future, 124–125
6G, 123
smart hospital, 119
supply chain management, 120
sustainability, 117
technologies of, 120–125
Humanistic Management principles, 79–80
Human–machine interaction, 124
Hyper Customization, 98–99
Hyper-personalization, 120

Identical systems or units, 95
Independent Organization, 173
India, 19
Aadhaar Pay, 26
digital banking in, 30
digital wallets, 12
efforts of, 135–137
payment infrastructure in, 248
Indian banking industry, 255
Indian Digital Payment Scenario, 251–252
Indian educational system, The, 168
loopholes in, 168–172
Indian government, The, 50, 184
Indian Model, 174–177
Industrial Robots, manufacturing of, 114–115
Industrialization process, 10
Industry, 111–113
blockchain technology for security and privacy in, 152–153
Industry 2.0, 110
Industry 30 (*see* Digital revolution)
Industry 5.0, 88, 91, 99, 102–103, 111–114, 119
big data analysis, 96–97
blockchain, 97
challenges and impact on human life, 100–103
challenges of, 100–101

collaboration robot, 95–96
contribution of ML, 99–100
cyber-physical cognitive systems, 99
different factors between Industry 4.0 and 5.0, 89–93
digital twins, 94–95
edge computing, 94
hyper customization, 98–99
IoT, 96
ML, 93–94
modern technologies, 93–98
predictive maintenance, 98
revolution, 114
6G technology, 97–98
uses of technology, 98–99
Inequality
reduction, 262
universal quality education for all fights, 179
Information and Communication Technology (ICT), 124, 128, 135–136
Information technology (IT), 2, 80
Information Village Research, 137
Innovation, 2
Innovation emerging markets, leading in, 10–13
Integrated Ombudsman System, 255
Integrated Services Digital Network (ISDN), 136–137
Interactive Service Model, 141
Interactive whiteboards, 31
International Center for Diarrheal Disease Research, Bangladesh (ICDDR, B), 194
International Labor Organization (ILO), 26
Internet of Everything, 116–117
Internet of Things (IoT), 11, 89, 96, 149, 188, 203, 227, 254
Investment in Central China, opportunities for, 16–17
Investors, 17–18
Islamic Development Bank (ISDB), 192

Jio Health, 197–198
JP Morgan Chase & Co, 131–132
Justice, peace, and strong institutions, 262

Leaderboards, 270–271
Learning, 174–175
Learning from Home models (LFH models), 226–227
Learning Management Systems (LMSs), 266–268
advantages, 267
characteristics, 266–267
disadvantages, 267
types, 267
utility of LMS in modern education system for SDGs, 267–268
Leveraging technology, 188
to enhance health access, 192–195
healthcare in emerging markets and importance, 189–191
healthcare waste management, 201–203
Jio Health, 197–198
for meeting challenges, 196–199
NTS, 199–200
technology as driver for achieving sustainable development goals, 188–189
Lobbying model, 141
Local resources, 80
Local well–being
case study, 76–78
literature background, 73–74
local resources, 80
method, 74–78
network, 80
people, 79–80
practices in Brazil, 73–74
research context, 75–76
research design and data collection, 74–75
sustainability, 81–82

London Business School, 14
Loopholes in Indian Educational System, 168–172

M-Pesa (mobile phone-based money transfer service), 13, 30
Machine learning (ML), 29, 89, 93–94, 118, 188, 254
  contribution of, 99–100
Management teams, 15–16
Manufacturing, 74
  process, 99–100
  sector, 119–120
Market internet connectivity, another key factor in, 12
MASH Foundation Trust, The, 13–14
Mass customization, 92
MasterCard, 131–132
Mathematical model depicting education reduces poverty, 179–181
  bridging borders, 180
  creating equal opportunities, 180
  creating more employment opportunities, 179–180
  developing problem-solving skills, 180
  giving back to community, 181
  improving economy, 181
  introducing empowerment, 180
  securing higher income, 180
Meat-based food system, 3–4
Mechanical robots, 170–171
Mercy Corps, 131–132
Mfine (digital healthcare platform in India), 33
mHealth app, 188, 192–193
Micro, small, and medium enterprises (MSMEs), 55
  analytics to achieve digitalization among MSMEs in emerging economies, 57
MicroMentor, 131–132
Microsoft Excel, 61–62
Millennium Development Goals (MDGs), 40, 224–225, 263
Ministry of Corporate Affairs (MCA), 42
Mobile health applications, 28
Mobile learning, 31
Mobile Money in Kenya, 30
Mobilization model, 141
Modus Operandi of Finnish education, 177
MS Excel, 61–62
MSCI Emerging Markets Index, 18
MSCI Emerging Markets Large Cap Index, 15
MSCI Emerging Markets Small Cap Index, 15
Multimedia, 265
Multiple data science architectures, 94
Multiple industries using prudent and secure strategy, utilization of blockchain in, 154–160

Nanotechnology, 188
National Common Mobility Card (NCMC), 249
National Council for Teacher Education, The (NCTE), 173
National Curriculum Framework for Teacher Education (NCFTE), 173
National Education Policy (NEP), 173–174
  benefits of NEP 2020 toward student community, 173
  features of, 172–173
  Finnish model to Indian model of education introduction of equating, 181
National Educational Technology Framework (NETF), 173
National Electronic Funds Transfer (NEFT), 249
National Electronic Toll Collection (NETC), 249
National Health Mission, 40
National Informatics Center (NIC), 136–137

National Institute of Education Planning and Administration (NIEPA), 169
National Payments Corporation of India (NPCI), 251
National Policy on Education (1986), 171–172
National Policy on Education (2020), 171–172
National Skill Development Mission, The, 171
National Telehealth Center (NTHC), 200
National Telehealth System (NTS), 199–200
Natural disasters, 8–9
Natural language, 124
Near Field Communication technology (NFC technology), 228–230
Networks, 13–14, 80
New Educational Policy, The (2020), 171–172
New markets, 45–46
New National Educational Policy-2020, 168
New-age technologies in education system to achieve SGDs, 264–275
No poverty, 48

One Laptop per Child (OLPC), 31
One-way digital technologies, 28–29
Online collaboration tools, 273–274
  demerits, 274
  features, 273
  merits, 273–274
  SDG contribution, 274
Online learning, 180
Online Lending in China, 31
Online platforms, 29–30
Open Banking Projects (OBP), 253
Open educational resources (OERs), 274–275
Open innovation platforms, 152–153
Open-source technologies, 96–97
Organization for Economic Co-Operation and Development (OECD), 72
Organizations, 55

Pandemic, 188
Paradoxical asset pairs, 95
Partnerships for goals, 262
Passenger Reservation System, 136
Pattern recognition, 124
Payment infrastructure in India, 248
Paypal, 208
PayTM, 208
Pedagogical approach, 176–177
Peer-to-merchant transactions (P2M transactions), 252
Peer-to-peer (P2P)
  lending market, 31
  transaction, 252
People, 79–80
Performance Assessment, Review, and Analysis of Knowledge for Holistic Development (PARAKH), 172
Permissioned blockchains, 153–154
Permissionless blockchains, 154
Pharmaceutical companies, 188
Philippines Department of Health (DOH), 200
Ping An Good Doctor (digital healthcare platform in China), 32
Point of Sale (PoS), 248
Points-based gamification, 270–271
Policymakers, 2
Post-secondary education, 173
Poverty, mathematical model depicting education reduces, 179–181
Power Line Communication (PLC), 136–137
Practo (digital healthcare platform in India), 32
Predictive maintenance, 98
Prepaid Payment Instruments (PPIs), 248
Prescrip-Tec Project, 194

PricewaterhouseCoopers (PwC), 248–249
Privacy, 153
Privacy in industry, blockchain technology for security and, 152–153
Private blockchain, 149–150, 153, 156
Problem-solving skills, 180
Production line forecast, efficiency of, 118
Project Gutenberg, 32
Prosperity ERP system, 61
Protein technology, 4
Public blockchain, 149–150
  network, 155
Public Sector Units in India, 41–42
Putnam Emerging Markets Equity Fund, 13

Qualitative approach, 59
Quality education, 48–49, 179, 226–227
Quantum computing, 125
Quick-response code (QR code), 254–255

Railway Ministry, The, 136
Rapid change, high volatility caused by, 8–9
Razorpay, 208
Real Time Gross Settlement (RTGS), 249
Renewable energy, 41, 188
Reserve Bank of India (RBI), 248–249
Responsible Sourcing Blockchain Network, The (RSBN), 149
Revolution, 88
Robotics, 188
  process automation, 118–119
  systems, 101
Robots, 101–102, 115, 228, 230
Robots Future of Industry 5.0, manufacturing of, 114–115
Russell 1000® Index of US Large Caps, 15
Russell 2000® Index of US Small Caps, 15

Safaricom, 6
"Sarva Shiksha Abhiyan" program, 168–169
Satellite, 188
  clinics, 192
Schedule seven, mapping SDGs with section 135, 48
Science, technology, engineering, and mathematics (STEM), 11
Science simulations, 269
SCORE Association, 57
Secure Borderless Workspaces TM, 4–5
Security, 214–215
  blockchain technology for security in industry, 152–153
SeeDoctor (digital healthcare platform in Nigeria), 33
Self-driving cars, 14
Self-learning algorithms, 124
Self-paced learning, 265
Semiconductors, 10–12, 19
  manufacturing, 17
Service-based companies, 59
"She Leads Digital" program, 33
6G technology, 97–98, 123
Skills development, 264
Small and Medium Businesses (SMBs), 253
Small-and medium-sized firms (SMEs), 13–14
Smart contracts, 155
Smart grid, 148–149
Smart hospital, 119
Smart Manufacturing Systems (SMS), 99
  string-based e-voucher, 254–255
Smart waste management, 203
"Smart Working" principles, 89
Social innovation (SI), 2
Social innovators, 3
Social media, 29–30
Social networks, 115–116

Social Report, 81
Social responsibility, 42
Society 5.0, 115
Software-as-a-service (SaaS), 14
Solutions, 115
South Africa and efforts in bridging digital divide, 137–139
South African Reserve Bank, The, 31
Splitting techniques, 101
Stakeholders, 45–46
Standardized curriculum, 260
Start-to-finish semiconductor fabrication, 17
State Information and Technology Agency (SITA), 139
State-of-the-art technology, 25
Stripe, 208
Students, 171
Supply-chain management, 14, 120
Sustainability, 13, 27, 77, 81–82, 111, 117, 188–189, 224, 228
  practices, 72
Sustainable agenda of Sustainable Development 2030, The, 46
Sustainable agricultural technology, 77
Sustainable consumption and production method (SCP method), 50, 234
Sustainable development (SD), 42, 47, 54, 143, 234–235
  approaches, 24
Sustainable Development Goals Report of 2020, The, 40
Sustainable digitization, 230–231
Sustainable gender equality (SGE), 216, 218
Sustainable hotels, 224
Sustainable policies, 117
Sustainable women empowerment
  analysis and interpretation, 218
  findings, 218
  future scope, 218–220
  research gaps, 216–217
  research methodology, 217–218
  review of literature, 211–217
  theoretical framework, 218
Sustained development (SD), 89
Swasth (digital healthcare platform in India), 32
Synchronous e-learning, 265
Systematic review process, 230–231

Taiwan Semiconductor Manufacturing (TSMC), 17
Talent management, 125
TARAhaat, 137
Tata Consultancy Services (TCS), 4
Teacher education, 260–261
Techman Robot, 95
Technological awareness, 41
Technology-driven social innovation
  activity over decades, 15
  another key factor in market internet connectivity, 12
  assist companies in emerging areas to fully utilize digital potential, 14
  Brazil and India accept digital wallets, 12
  business examples, 4–8
  chances in broader markets, 17–19
  in China, electric vehicles making splash, 12–13
  connected devices and semiconductors, 11–12
  critical significance of technology in development of business in emerging markets, 13–15
  currency swings are fourth characteristic, 9–10
  developing nations, 8–10
  economical new period, 16
  emerging markets, 10
  emerging markets considerably exacerbate issue, 13–14
  expectations for long term and cyclical improvements, 15–16
  first, take into account company's relationship with employees, 4–7

growing role of technology in emerging markets, 14–15
high returns can result from growth, 9
high volatility caused by rapid change, 8–9
leading in innovation emerging markets, 10–13
low price can no longer be main factor, 20
low-paying jobs quick growth, 8
opportunities for investment in Central China, 16–17
outlook for Wasatch, 19–20
world economic forum support social innovation, 3–4
Yum China steps to improve brand image, 7–8
Technology/technologies, 25, 29, 31, 54–55, 120, 188, 215, 228, 230
advancements, 118
critical significance of technology in development of business in emerging markets, 13–15
in emerging market, 41
integration, 261
support education in achieving SDGs, 264
Teladoc Health (digital healthcare platform in Brazil), 33
Tele density, 135–136
Telehealth, 200
Telemedicine, 28
Terrestrial wireless technology, 136–137
3D printing, 90–91, 188
Tourism, 225–226, 228, 230
Tracing data, 152
Traditional emailing system, 130
Transaction automation investments, 57
Transition, 110
Trust, 13
Trusteeship, 41–42
Twin processing, 95
UN Sustainable Development Goals (SDGs), 6, 24, 28, 39–40, 64, 72, 102–103, 168, 207–208, 224–225, 230, 261, 264
advancing sustainable development with reference to technology, 45–46
corporate social responsibility, 41–42
and education, 261, 263–264
global implications, 50–51
good health and well-being, 28
importance of education in, 261
industry, innovation and infrastructure, 29
mapping SDGs with section 135 schedule seven, 48
new-age technologies in education system to achieve, 264–275
objectives, 42–43
progress monitoring, 45–46
results and implications, 46–48
role of SDGs in emerging economies, 40–41
role of technologies in emerging market, 41
SDG 4, 27
technology as driver for achieving, 188–189
utility of LMS in modern education system for, 267–268
Unconventional renewable energy sources, 113–114
UNESCO State of Education in India 2021 assessment, The, 169
Unified Payment Interface (UPI), 249
United Nations, 40, 178
United Nations Development Program (UNDP), 48, 225–226
United Nations Educational, Scientific, and Cultural Organization, The (UNESCO), 178

United Nations Environmental Program (UNEP), 46
United States, case of, 132–133
Universal education, 260
Universal quality education, 179

Value-shop firms, 152–153
Venmo, 208
Virtual classrooms, 31
Virtual field trips, 269
Virtual reality (VR), 28, 111–112, 268–269
  benefits and drawbacks, 269
  characteristics, 268
  classifications, 268–269
  significance in contemporary education, 269
Voice Over Internet Protocol (VOIP), 136–137

Warana Project, 137
Wasatch
  Global, 20
  Greater China Strategy and Fund, 17
  outlook for, 19–20
  strategies and funds, 20
Wasatchglobal.com, 19
Waste management, 202
Wind turbine, 94–95
Wireline technology, 136–137
Women, 209–210
  women's access to fintech apps, 213
Women Empowerment (WE), 207–208, 216, 218
Women of Uganda Network (WOUGNET), 33
Women's Digital Center, 34
World Bank, The, 8
World Digital Library, 32
World economic forum support social innovation, 3–4
World Intellectual Property Organization, The, 11
Wuxi Biologics, 15

Zero hunger, 48
Zero the Hunger, 178–179
Zipline in Nigeria, 195
Zocdoc (digital healthcare platform in Brazil), 32