Index

(Ab)normal for education, 236–238	practical advice for African higher
Abstract conceptualization abilities	education institutions,
(AC abilities), 109, 110	309–310
Abuse, unauthorised access of,	African Union (AU), 23
259–261	Afro-communal purpose of higher
Academic administration, 189–191	education, 297–298
Academic voices of distress, 200–204	support for, 304–308
Active experimentation abilities	Alternative assessment methods, 165
(AE abilities), 109, 110	Anonymous online reporting,
Active learning, 30, 49	256–257
Activity blend, 49	'Anytime, anywhere' learning, 76
Admissions, 273–274	Apple Operating System, 122–123
Affective learning, 96–97	Appraisal support, 95
Africa	Assessment, 154, 188 (see also
COVID-19 pandemic in, 174	Flexible assessment)
universities in, 64–65	adaptive approaches, 161–163
Africa's higher education	emergency, 154–155
changing higher education	flexibility in learning and, 155–158
markets, 20–24	integrated assessment designs,
COVID-19 crisis, 15	161–163
Digital Age, 14	literacy, 161
institutions to changing pedagogy,	principles of flexible assessment,
17	158–161
neoliberalism, 15–16	strategies for embedding flexible
pressures from changing students,	assessment, 163–168
20–24	Assessment emergency (see
pressures of COVID-19 and	Emergency assessment)
neoliberalism in, 18–20	Association of Chartered Certified
Revolution, 16	Accountants, 272
risks and rewards, 30–32	Asynchronic communication, 51
university core values and	Asynchronous communication, 61
pressures in teaching, 24–30	Asynchronous learning, 135
African countries, 46	tools, 220–223
African cultural traits, 294	Authentication, 58
African cultures, 291–292	Autonomy, 86–87
African expectations of higher	D 1 1 14 101
education, 295–298	Badges and quality assurance, 191
methodology and data, 301-304	'Best of blends' approach, 64

Blended across delivery, 49	Chartered Institute of Management
Blended environments	Accountants, 272
pitfalls of interaction and	Classroom-based teaching
engagement in, 224-226	practices, 40
Blended learning, 31, 48	Collaboration, 87
tools, 220–223	Collaborative engagement, 218
Blockchain consensus, 184–185	Collaborative groups, 90
Blockchain technology, 175,	Collaborative learning and teaching,
319–320	186–187
academic administration, 189-191	Collaborative learning approach
architecture, 180–185	(CLA), 82, 87–92
consensus, 184	Communal relations, 308–309
context, 179	Communication synchrony, 50–54
COVID-19 emergencies, 175–178	Community of practice, 300–301
data analysis, 179	Competence, 225
digital assets, 182–184	Computer-mediated-communication
digital signature, and classification,	technology, 2, 51, 61
180–182	Concrete experience abilities (CE
focus of research, 179	abilities), 109, 110
meaning, 180	Constructivist learning, 46
smart contracts and smart	Content-based pedagogies, 76
property, 184–185	Context, input, process, and outcomes
teaching, learning, and	(CIPO), 147–148
administration, 175–178,	Context, input, process, and product
185	impact model (CIPP
teaching and learning, 186–188	model), 49
Blogs, 222	Contingent shifting, 96
Botswana Institute of Chartered	Contructivism, 214–216
Accountants (BICA), 272	COVID-19, 1, 108, 267–268
Botswana Qualifications Authority	crisis, 15, 247
(BQA), 270–271	emergencies, 175–178
advisory to tertiary education	higher education landscape, 246
sector, 277–278	lockdowns, 246
Botswana tertiary education	outbreak, 246, 271
landscape, 269	pandemic, 39, 72, 130, 174, 246, 317, 321
Campus closure, 269–270	protocols, 268
Campus dormitory and dining,	Critical reflection, 112
272–273	Cryptography mechanism, 181
Capabilities approach, 159	Cultural dimensions theory, 292–293
Care Act (2014), 253	Culture, 291–295, 303
Caregivers, 295	Cyberattacks, 235
Centre for Global Development	Cybercriminal creativity, 236
(CGD), 283	Cybersecurity, 246, 261

(ab)normal for education, 236–238 balancing educational needs, 240–241 digital transformation, 232 educational environment, 231–232 in educational environments, 233–234 in emerging digital classroom, 238–239 security requirements, 240–241 value of student data, 238	Digital rich experience, 49 Digital services, 39 Digital signature, 180–182 Digital synchronous learning, 53 Digital technology, 45–46, 291 and pedagogy, 58–60 Digital transformation, 232 Digitalised trust, 180 Distance education, 214 Distance learning, 40, 131 Distress academic, voices of, 200–204
	Distributed learning and teaching (see
Deep learning, 187	Collaborative learning and
Degree apprenticeship, 49–50	teaching)
Digital Age, 14, 75	Diversity, 158–159
Digital assessments, 56–58	Duty of care
Digital assets, 182–184	concept, 246
Digital asynchronous learning, 53 Digital education, 307–309	for institutions, 261–262
pedagogy, 294	e-learning, 214
Digital era, 42–44	Education policy, 274
Digital ethnographic approach, 49, 50	Embedding flexible assessment,
Digital first approach, 47, 48, 64	strategies for, 163–168
Digital first intervention, 49–50	Emergency assessment, 154–155
Digital first pedagogical approach, 50	Emergency Powers (COVID-19) Act
Digital harassment and abuse, 248	of 2020, 276
Digital immigrants, 22, 42, 43	Emergency powers (COVID-19)
Digital learning, 40–41 (see also	regulations of 2020,
Online learning)	275–276
class size, 54–56	Emergency remote teaching, 130,
communication synchrony, 50-54	133–135, 197–198, 232
development of empirical evidence,	CIPP evaluation model, 146
46–50	evaluation, 139–140, 144
digital assessments, 56–58	framework model for evaluation, 147–148
digital era and, 42–44	
and digital technologies, 45–46	input evaluation, 145
inclusion and exclusion in, 63	knowledge decay theory, 135–137
pedagogical models of, 42	methodology and data, 140–144
pedagogy, 50	online teaching and, 131–133 self-regulated learning theory,
student support mechanisms, 60–63 systems framework, 44	137–138
technology, 154, 291	theoretical reasons for, 135
Digital natives, 22, 42, 43, 249–250	transactional distance theory,
Digital natives, 22, 42, 45, 249–250 Digital poverty, 318	138–139
Digital poverty, 510	130-137

Emotional support, 95, 97	though SIMR Restaurant
Empirical evidence, 46–50	Simulation Software, 108
Enrolment, 273–274	Government fiscal relief instruments,
Evolutionary systems, 42	276–277
Experiential learning, 108	Group Chat Scandal, 262
theory, 109	Group tasks, 271
Experiential transformative learning,	
109–113	Higher education, 246–249, 251, 253,
Exploitative learning, 30	268
External communication, 215	African expectations, 295–298
	digital learning, 8
Face-to-face	lockdown and COVID-19, 3
synchronous learning, 53	lockdown in, 2
teaching, 28, 73, 93	non-traditional models of teaching
Financial support, 274–275	in, 73–76
Flexibility in learning and assessment,	post-COVID-19, 1
155–158	systems, 41
Flexible assessment	Higher education institutions (HEIs),
core principles of, 159	1, 40, 196, 268, 322
learning-focussed, 160	Higher Education Pedagogy
principles of, 158–161	Series, 3
shared and transparent, 160–161	Home kitchen phase, 114–115
Formative assessment, 160	Hospitality
Formative feedback, 160	education, 108
Freedom of Information Act 2000,	management, 111
250–251	Human culture, 292
Frequently asked questions (FAQ), 51	Human sociocultural development,
'Fuck women disrespect them all'	291
(online group chat), 248	Humanising pedagogy, 198–199
Function segregation, 93	academic voices of distress,
C 'C ': 107 115 116	200–204
Gamification, 107, 115–116	methodology and data,
COVID-19, 108	199–200
experiential learning, 108	student voices, 204–210
experiential transformative	Hyperpersonal relationships, 60–61
learning, 109–113 kitchen and restaurant simulations,	Identity 206 207
113–122	Identity, 296–297
	Inclusivity, 158–159
Kolb's learning cycle, 110 lesson participation and grading,	Independent learning, 51 Information Age, 14
123–124	Information Age, 14 Information communication
SIMR restaurant simulation	technologies, 14
software, 124–126	Informational support, 95, 98
success of intervention, 122–123	Instrumental support, 95, 97–98
3000033 OF IIICI VEILIOH, 122–123	mon amentar support, 30, 37–36

Integrated assessment designs, 161–163	integration of aspects of teaching, 92–93
International higher education, 154 Internet connectivity, 205–206	non-traditional models of teaching, 73–76
	social support in, 94–98
Keyword search algorithm, 255	understandings of, 76–81
Kind of learning, 30	Non-traditional models of teaching,
Kitchen and restaurant simulations,	73–76
113	North-south cooperation, 41
module requirements, 113-114	•
teaching remotely, 114–122	One-size-fits-all digital technology,
KitchenCut, 108	27, 60
Knowledge decay theory, 135–137	Online abuse, disclosures of, 256–257
Learning, 214–216 (see also Digital	Online communication, 61
learning)	Online delivery, 246
community, 310	Online distance learning, 75
disruption, 269–270	Online education, 301, 307–309
process, 206	Online harassment, 255
theories and practices, 268	Online harms, 245
Learning management systems	in COVID-19 pandemic, 259–261
(LMS), 28, 221–222	Online learning, 214, 269
Lingering effect of underinvestment in	communities, 72, 77
education infrastructure, 318	and expectations of higher
,	education, 298–301
Massification, 21	interaction, 78
Media blend, 49	Online pedagogy, 298, 301
Mental health, 209–210	Online restaurant phase, 115–122
Monitoring systems, 261	Online safeguarding, 250
Multi-modal approach, 164–165	data collection themes, 251–253
Multiple choice questions (MCQs), 157	evidence from practice, 253–259
	methodology and data, 250–253
Negligence, 262	Online safety conundrum,
Neoliberal capitalism, 19–20	246–247
Neoliberalism, 15–16	Online student engagement, 219
in Africa's higher education, 18–20	Online teaching, 131–133
Network, unauthorised access of,	and learning, 270–271
259–261	Online-first pedagogy, 26–27, 40
Non-standardised, 9-item	ommo mot podagogj, 20 27, 10
questionnaire (NSQ), 295	Padlet application, 222
Non-traditional classroom, 73	Parents, 295
approaches to teaching in, 81–92	Passive learning, 30
influences on choice of approaches	Patchwork assessment process, 166
to teaching in, 93–94	Pedagogic intent, 163

Pedagogic Realignment with	Revised National Policy on Education,
Organisational Priorities	74
and Horizon Emergent	Revised Policy on Education for
Technologies Framework	Botswana, 271
(PROPHET Framework), 47	
Pedagogical arrangements,	Scaffolding, 96
163–168	Self-assessment in digital assessments,
Pedagogical models, 40, 45	56–58
of digital learning, 42	Self-directed learning (see
Pedagogical reform, 26, 33	Independent learning)
Pedagogy, 25, 81	Self-efficacy development, 226
Peer-to-peer interactions, 60	Self-knowledge, 295
Peer-to-peer support, 97	'Self-programmable' graduates, 29
Phishing, 240	Self-realisation, 296
Physical health, 209–210	Self-regulated learning theory,
Piagetian theory, 215	137–138
Post-COVID-19, 1	Semi-structured interviews, 50
expectation of hybrid or blended	SIMR Restaurant Simulation
learning models of delivery,	Software, 108, 115, 124-126
246	Smart contracts and property,
Post-Fordism, 29	184–185
Postgraduate students (PGS), 204	Social constructivism, 215–216
Pre-COVID-19, 113–114	Social contingency and richness, 300
concerns, 247–249	Social harmony, 295–296
Principle of 'flexibility', 49	Social interactionism, 214–216
Professional, statutory and regulatory	Social learning, 45
bodies (PSRBs), 272	forms, 300
Proof-of-stake method, 184	Social media, 255
Proof-of-work technique, 184	Social presence, 78–79
	Social support, 60, 72
Qualitative methods, 140	in non-traditional classroom, 94-98
Quality assurance, 177–178	types of, 95
Quality Assurance Agency (QAA),	Social-distancing, 40
42, 49	imperatives, 271
Quantitative methods, 140	Sociocultural theory of learning, 215
	Socratic method, 112
Ransomware attacks, 261	Solidarity, 296–297
Record keeping, 191	South Africa in HEIs, 197
Red brick university, 47	South African President Cyril
Reflective observation abilities (RO	Ramaphosa, 196
abilities), 109, 110	Space blend, 48–49
Remote teaching, 114, 138	Spear phishing, 240
and learning, 200, 205, 270–271	Staff training and university working
Restaurant management team (RMT),	with external agencies,
115	258–259

Student interactions	Technology
blended learning tools, 220–223	in pedagogy, 290
in class attendance, 271–272	technology-based collaborative
dimensions of, 217	learning, 220
interaction and student	technology-enhanced learning, 40
engagement, 216–220	Territories in sub-Saharan Africa, 301
pitfalls of, 224–226	Tertiary Education Act of 1999, 280
Student Representative Council, 19	Tertiary education practices
Student safeguarding	BQA advisory to tertiary education
policies, 254–255	sector, 277–278
stewardship, 255–256	changes in, 279–281
Student(s), 245–250	COVID-19 and, 269
admission application process,	emergency powers (COVID-
189–190	19) regulations of 2020,
authentication in digital	275–276
assessments, 56–58	government fiscal relief
engagement, 216–220	instruments, 276–277
identity management, 189	legal instruments, 275–279
learning, 316	major policy and legislation issues,
placement and work study, 272	269–275
student-centred learning, 74	policies and regulations at college
student-centred principles, 74	and university level,
student–environment interaction,	278–279
214	reforms in, 281–283
support mechanisms, 60–63	responsive and agile tertiary
value of student data, 238	education sector, 283–285
voices, 204–210	Text-matching software, 58
Sub-cultures, 292	Time and place dispersion approach
Sub-Saharan African culture, 293–	(TPD approach), 82–86
294, 299	Time blend, 49
Summative assessment, 160	Tokenising, 187
Synchronic communication, 51	Top-down pedagogies, 76
Synchronous communication, 83	Traditional model of teaching, 21, 271
Synchronous learning, 52	Traditional pedagogies, 76
tools, 220–223	Transactional distance, 86 theory, 138–139
Take culture in learning, 299	Transactional distance approach
Teaching, 25–26, 72, 319–320	(TDA), 82, 86–87
blockchain in, 186–188	Transformative learning, 30
influences on framing of, 81	experiential, 109–113
and learning, 175–178, 186–188,	24-hour information technology, 60
216	24-nour miormation technology, of
in non-traditional classroom,	Undergraduate students (UGS), 204
81–92	UNESCO, 15
non-traditional models of, 73–76	United Kingdom, 40

332 Index

Universal design for learning (UDL), 164

Virtual classrooms, 75–76, 85 Virtual distance, 291 Virtual learning, 301 Virtual learning environments (VLEs), 48, 233 Virtue, 297 Volume of disclosures, 257

Warwick University Group Chat Scandal, 247–249 Web and Video Conferencing, 221 Western cultures, 293, 298
Western-style pedagogy, 82
Wikis, 222
Work authorship in digital
assessments, 56–58
Work integrated learning scheme
(WIL scheme), 208–209
World Bank, 196
World Economic Forum, 196
Worldviews, 291–295

Zone of proximal development (ZPD), 96 Zoom-bombing, 239, 260