Index

A
Aberdeen Technical School 91-92, 99
Abstract Conceptualization (AC) 38
Accounting Education Change Commission (AECC) 23, 26-27
Active Experimentation (AE) 38
Adobe Connect 47-48
Advanced Cardiac Life Support (ACLS) 70
American Institute of Certified Public Accountants (AICPA) 23, 26
analysis of variance (ANOVA) 167, 350
Assessment practices 160, 308
asynchronous learning 224-225, 302, 305-306, 308
authentic problems 164-165, 323
B
Bahasa Melayu 188, 190-191, 198-200, 202
Bulletin Board System (BBS) 165
C
Campus Safety Department 253-255
Centre for Information Technology & Systems (CITS) 227
Code Blue 73
collaborative learning (CL) 162
Community Access Centres (UNTCTAD) 340
comparative analysis 304
COMpetence in conTEXT (COMTEXT®) 135
Compulsory Education Law 175, 177
Computer-Aided-Design (CAD) 81
corporate learning (CAL) 190
Computer Aided Manufacturing (CAM) 94
Computer Science (CS) 151
Computer-Supported Collaborative Learning (CSCL) 168
Conceptual mobility 141, 143
Concrete Experience (CE) 38
Constructionism 251
Constructivism 13
Constructivist learning environments 237, 241
Corporate M-Learning 134, 142, 144
Course Orientation 114
Course type 116
critical-thinking skills 46
D
database management system (DBMS) 118, 254
Decision Support System (DSS) 176
Definition and Selection of Competences (DeSeCo) 313
Design and Applied Technology (DAT) 91
Design and Technology (D&T) 91
Design education 90
design-oriented courses 116, 120
Digital Data Management 81, 85
digital Mobile License (DML) 340
digital natives 303
digital Opportunity Task Force (DOT Force) 337
Digital Telephony 353
discriminant validity 267
Dissolving Boundaries programme 206-207
distance education (DE) 278
Durbin-Watson statistic 329
Dyslexia 186
E
eHealth literacy 112-113
emotional mobility 143
Enterprise Resource Planning (ERP) 164
European Higher Education Area (EHEA) 313
experiential activities 323-324
experiential learning theory (ELT) 38
Index

F
face-to-face classes 125, 131
faculty-faculty interactions 125, 127-128
Fennema-Sherman Mathematics Attitudes Scales 60, 66
Flash® animation 17

G
Gaumard simulator 75
Gerber Garment Technology (GGT) 81
Global Index of Quality (GIQ) 34
Global System Mobile (GSM) 336, 344
Group Organizer 37

H
HCI 250
Hofstede’s cultural model 228, 231
Honey and Mumford Learning Style Questionnaire 232
hybrid format 217, 222
hypertext markup language (HTML) 251, 255

I
increased resources 52
inevitable participation 277
Information-seeking 102-107, 111-112
Instructor’s Response 277
interactive model 46
interactive television (ITV) 126
International Telecommunication Union (ITU) 339, 342
Internet Service Providers (ISP) 340
Introduction to Information Systems and Technology (IntroIST) 151

L
Learner-centered pedagogies 240
Learning Management System (LMS) 47
Learning Style Inventory (LSI) 37
Learning Style Questionnaire 231-232
Leaving Certificate Vocational (LCV) 209
Local Authority Information Center (LAIC) 174, 176
Logistic regression analyses 296

M
Malay language 188-190, 195, 199-200
Management of Information Systems (MIS) 148
MANCOVA model 330, 332
Meares-Irlen syndrome 195, 197
metacognitive process 70, 76
Ministry of Education 100, 175-179, 182-184, 271
Mobile Virtual Learning Environment (MVLE) 135
Moodle 123, 207-210, 213, 227, 316, 318, 346, 353
M-teachers 281-282
Myers Briggs Type Indicator (MBTI) 33
myocardial infarction (MI) 70

N
National Center for Educational Statistics (NCES) 59
National Council for Accreditation of Teacher Education (NCATE) 2, 304
National Council of Teachers of Mathematics (NCTM) 58
National Education Association 282
National Institute of Child Health and Human Development (NICHD) 189
neopiagetian theories 42
Nigerian Communication Commission (NCC) 340

O
Ohio Learning Network (OLN) 245
online degree programs 218-220, 224
online format 218
Online Nutrition Resources 103
Organisation for Economic Co-operation and Development (OECD) 289

P
Partial Least Squares (PLS) 266
participant-observer 46
patternmaking 10
perceived usefulness (PU) 261-262
Power Distance (PD) 229
PowerPoint 12, 23, 25, 28, 47, 81, 85, 87, 158, 166
practical electronics 92
preactive phase 48
Pre-Service Teachers 1-7, 249
prior knowledge 148
Procedural-oriented courses 116, 118-120
Product Data Management (PDM) 80-81
product development 10
Product Lifecycle Management (PLM) 81
Professional Development School (PDS) 3
Program Quality Assessment System (PQAS) 33
Index

Q
Quadratonics 316-319
Questionnaire for User Interaction Satisfaction (QUIS) 250

R
Reflective Observation (RO) 38
reflective practicum 69
regular attendance officers (RAOs) 174-175
relative advantage (RA) 261-262
rotational method 46

S
School-Related Needs 107
self-regulated learning (SRL) 114-115, 162-163
Short message service (SMS) 338
SMART Board Technology 3
Sobel test 269
Social Personal and Health Education (SPHE) 209
Social Software 312-313, 316, 319, 352-353
socio-cognitive conflict theory 32, 41-42
socio-construvism framework 42
Socioeconomic Status (SES) 59
standardized rubric 16
Strengths, Weaknesses, Opportunities and Threats (SWOT) 346
Student retention 291
SurveyMonkey 348-350
SWOT analysis 346-348, 350-355

T
Technological Pedagogical Content Knowledge (TPCK) 244
Technology as an extension of self 57, 59, 62, 64-65
technology competencies 100, 125-126, 248
Technology Integration 1-8, 239, 241-249, 303, 356
Technology Integration Barriers 6, 243
Technology mobility 141
Temporal mobility 141-143
Theoretical Constructs 127, 267	hree-way analysis of variance 15
TRACE function 63
transition disadvantage 299
Twenty Questions 25

U
Uncertainty Avoidance (UA) 229
Universal Access Fund (UAFs) 340
Universal Service Provision Fund (USPF) 344

V
variance inflation factor (VIF) 329
Video-conferencing 209
virtual classroom 284
Virtual Learning Environment (VLE) 312

W
Web-Enabled SRL 114-121
Web Product Data Management (Web PDM) 81
Windows Movie Maker 81, 85, 87
World Interoperability for Microwave Access (WiMAX) 343
World Summit on Information Societies (WSIS) 338