Index

Symbols

11 item scale 311 15 item scale 312 5 item scale 312

A

abstract conceptualization (AC) 225
academic advising DSS 266
accurate mental model 96
additional courses 272
advising database 273
age of computer users 215
aloofness 328
American optometric association 84
American telemedicine association 55
ANOVA 105
anti virus (AV) software products 233
artificial neural networks (ANNs) 335
assured quality 76
automated advising system 268

В

baby carelink project 54
backpropagation 338
bedside monitoring 68
behavioral climate 328
behavioral intention (BI) 4
best practice literature 192
bill of material" (BOM) 264
British Medical Association (BMA) 166
business ethics 334
business process reengineering (BPR) 81

\mathbf{C}

Canada's health informatics association 36
Canadian organization for the advancement of computers 37

Canonical correlation analysis (CanCor) carpel tunnel syndrome 85 cell data 105 CERT coordination center (CERT/CC) 238 CFI 252 change process 131 Chernobyl (CIH) virus 236 chi-square test 62, 105 chi-squared "goodness of fit" test 332 clinical data 24 CMDS (computer management development services) 264 cognitive style 288 community information systems (CIS) 189 community trusts 189, 193 completed courses 272 comprehensive user participation 147 computer anxiety 211, 212 computer aptitude literacy and interest profile 179 computer attitude 213, 218 computer attitude scale (CAS) 179, 213 computer competency 210 computer experience 220 computer liaison committee (CLC) 142 computer literacy course 217 computer simulation 244 computer virus 233 computer vision syndrome (CVS) 84 computerized 25 computerized charting 25 computerphobia 211 conceptually ordered displays 198 concrete experience (CE) 225 confidential patient information 176 confidentiality issue 171 consideration 328 construct validity 250 contextual environment 130

249

continuing medical education (CME) 13 end-user context 72 continuous computer learning 216 end-user software packages 95 control of videoconferencing 64 enrollment 171 core patient information systems 40 enterprise resource planning (ERP) 264 core requirement 267 enterprise resource planning (ERP) software corrective lenses 89 264 course scheduling logic 266 ergonomic keyboards 90 covariance 105 ergonomics programs 88 Cronbachs alpha 250 escalation 161 CSA labs anti-virus site 238 esprit 328 cyberphobia 211 ethical decision making 335 ethical issues 335 D EUCS instrument 257 EUCS measures 249 database and image storage 79 existing mental models 95 database management system (DBMS) 95 experimental setting 294 database marketing 118, 119 explanatory capability 344 Davis instrument 255 dBase IV 103 F debriefing interviews 110 decision accuracy 290 fault handling centers 155 decision quality 293 fault tolerance 77 decision support system (DSS) 40, 244, field dependence 289 figuration 287 263 decision time 290, 293 focus group interviews 304 decision-maker performance 286 focus group sessions 123 deepest layer rule 277 focus groups 122 defensive computing 233 formal software training 96 departmental systems 40 future methods of operation (FMO) 155 design cells 294 G direct physician order entry (POE) system 74 generic appointment system (GAS) 144 discriminant analysis 335 geographic information system (GIS) 145, discriminant validity 258 disengagement 327 group embedded figures test (GEFT) 294 DSS generator 265 due process 173 H \mathbf{E} hare virus scare of 1996 236 health information system 38 ease-of-use 249 healthcare environments 53, 56 effects matrix 198 high-end spreadsheet 263 elective 268 hindrance 328 electromagnetic field exposures 91 hospital information systems 40 electronic media 118 hospital information system (HIS) databases electronic patient record (EPR) 23 eligible course 272 human activity 121 end user computing (EUC) 83, 177 human activity system 121 end-user computing satisfaction (EUCS)

human-centered systems 121

I	M
I love you virus 236 ICDEV (intensive care data evaluation system) 24 ICSA annual computer virus prevalence survey 238 image 287 image theory 287 in-vivo codes 197 increased spontaneous abortions 87 individual performance 291 information identification and validation 79 information management group (IMG) 174 information system success 247 information systems (IS) 116, 325 information systems development 130 information systems innovations 163 information systems projects 159 information technology (IT) 120, 303 innovative information systems 158 institutional DSS 266 intensive care unit (ICU) 21 intéressement 171 intimacy 328 issue of confidentiality 167 IT directorate (ITD) 143 IT implementation 131 J job climate questionnaire 312 joint application design (JAD) 140, 326	M-day 235 magnetic resonance imaging (MRI) 81 mail surveys 254 management information systems 179 MANOVA 311 mapping 95 mapping via analogy 95 mapping via training 95 market research 119 marketing database 119 maximum dependency rule 278 medical diagnostic DSS 24 medical informatics 46 medical records 63 medication ordering system 73 medication prescriptions 72 Medilink project 53 mediocre worm/virus 237 Melissa virus 236 mental models 95 meta-analytic study 130 Michelangelo scare of 1992 235 microcomputer-based system 263 Missouri telemedicine network (MTN) 3 mobilization 172 monitoring of infants 59 mouse related disorders 86 multiple discriminant analysis (MDA) 334 muscle fatigue 85 musculoskeletal discomfort 85
K	National Health Service (NHS) 20, 189
knowledge-based heuristics act 265	need-for-cognition (NFC) 289, 290 neonatal care 56 neonatal intensive care unit (NICU) 52
learning performance 103 Likert-type scales 58 linear structural relation (LISREL) analysis 336 love bug 236	network topology 338 New Data Protection Act Will 170 NHS trusts 34 NHSnet 158, 166 NICU wards 56 NNFI 252

lower course number rule 278

psychometric testing 6

$\mathbf{0}$ R OASIG 120 radiation effects 87 rapid application development (RAD) obligatory passage point 171 ocular surface area (OSA) 85 approach 145 office ergonomics research committee 86 reduced birth weight 87 on-site development approach 149 referral letters 81 order capturing 74 reflective observation (RO) 225 order processin 74 regression analysis 184 remote employees 309 order receiving 74 remote work experience 308 order sending 74 order system maintenance module 80 remote work setting 309 repetitive motion injuries (RMIs) 86 ordering module 80 organizational change 131 rural health care 3 organizational climate 312 rural telemedicine evaluation project OSHA (occupational safety and health (RTEP) 3 administration) 86 S outcome variables 136 scanning and image processing system (SIPS) 72, 75 ScreenPlay 91 paper-and-pen method 73 paradox 103 self-administered postal questionnaire 122 self-efficacy 102, 182 participatory design (PD) 140 patient care systems 40 simulation language 244 patient data 69 simulator 245 PC-based computer system 265 single item approach 248 single sample cross-validation index PDMS 21 PDMS software program 27 (ECVI) 252 Pearson correlations 184 social learning theory 102 perceived learning mode 221 society for computer simulation 254 perceived usefulness 249 software training 95 perception outcomes 106 solution scoring rule 294 spatial tasks 285 physician ordering entry system 72 POISE (procurement of information systems specific learning style 225 effective) 30 specific major 268 stakeholder perspectives 173 post-implementation climate 331 PowerPause 91 statistical power 110 pre-existing mental model 101 strategic information systems planning 72 pre-implementation climate 330 student bidding system 266 subject pool 294 prerequisites 268 successful systems development 136 preterm birth 87 primary learning style 216 synergistic controls 240 system integration of information technoloproblematization 171 production emphasis 328 gies 80 proprietary databases 41 systems development projects 188, 190 psychological ownership 207

T

tailed tests 105 task complexity 146 task-technology fit (TTF) 291 technical system 167 technological gender gap 214 technology acceptance model (TAM) 3, 6 technophobia 211 telemedicine 2 telework researchers 307 thrust 328 time ordered displays 198 tourism industry 118 traditional approach 134 training task context 97 treatments 104 trigger date 235 TruSecure anti-virus policy guide 240

U

UK national health service (NHSnet) 159 user acceptance 157 user information satisfaction 192 user interface 279 user participation 130 user resistance 157

user satisfaction 192 user-centered design 53

V

variance-based studies 130 VDT emission levels 90 video display terminal (VDT) 83 videoconferencing system 53 videoconferencing technology 55 vignette 57 violations 272 virus alerts 238 virus disaster 239 virus hysteria alert 238 virus payload 234 virus phenomenon 235 virus research facilities 234 virus statistics 237 virus threat 233 vision problems 84 visitor attractions 122 visual discomfort (asthenopia) 85 visualization 300

W

wild viruses 235 wildlist 237