

Index

A

academic librarians 161
academic libraries 162
access level hierarchy 136
access resources 188
accessing the Web 183
Active Server Pages (ASP) 151
advanced search 153
age of the Internet 158
alliances 78
application service provider (ASP)
283, 290
artificial entity 101
artificial intelligence systems 148
ascribed meanings 70
asset swaps 290
associated stress 91
authorized terminals 138
automatic notification 140

B

B2B market exchanges 293
bandwidth 289
barriers to virtual teams 91
basic keyword search 153
basic object schema 256
blunders 183
book theft 141
browsing feature 155
business plan 31
business process redesign (BPR) 130
Business Process Reengineering
(BPR) 203
Business-to business (B2B) ex-
changes 289
business-to-business (B2B) 222, 284

C

Canadian Imperial Bank of Commerce
(CIBC) 148
capital flows 220
capstone course 130
CD-ROM searching station 140
censorship 141
change agents 264
Chemical Markup Language (CML)
273
circulation data 135
circulation records 139
citizen access 187
civic responsibility 126
client technology 184
co-alliance models 4
cognitive mapping 247, 250, 258
collaboration 294
collaborative product commerce 296
collaborative systems 294
commercial off-the-shelf (COTS)
software 229
commercialization of the Web 182
community 68
community of practices 67
community partners 128
community service 126
community-based non-profit organiza-
tions 126
competence-based view 19, 22, 26
completeness 272
computational processing 250
computer applications 129
computer security procedures 134
computer system units 139
computer technology 134
computer tools 136

- computer worm 135
- computer-based communication technologies 92
- computer-based resources 133
- concept of trust 115
- conceptual model 249
- conciseness 272
- consistency 272
- contagion model 244
- context-specific training 264
- contract law 181
- contract negotiations 159
- core competence theory 26
- Corporate Strategic Plan 200
- cost-cutting pressures 190
- Cost/Environmental Accumulation 278
- Cost/Environmental Department Accounting 278
- Cost/Environmental Product Accounting 278
- criminal activity 183
- CRM (Customer Relationship Management) 111
- customer focus 210
- cyberspace incarnations 3
- cybrary 161

D

- data administration perspective 193
- data integrity checkers 135
- data integrity measures 135
- data migration 233
- database 129
- database classes 129
- decision structure 228
- decreased informal communication capabilities 91
- definition of trust 115
- dependence 52
- deriving virtual corporations 24
- design tool 247
- digital divide 189
- digital library 160, 162
- dimensions of trust 121
- disaster and contingency planning 141
- distributed environmental information 270

- distributed information systems 148
- Document Type Definitions (DTD) 273
- domain name system (DNS) 183, 184
- DTDEditor 274
- dynamic 49

E

- E-commerce 221
- E-speculators 290
- Eco-balancing 278
- EcoExplorer 273
- educational institutions 134
- educational paradigm 126
- efficient transport system 219
- electronic bulletin boards (EBB) 82
- electronic commerce 218
- electronic communication 288
- electronic consultative commerce 13
- electronic consultative enterprise 9
- electronic data interchange (EDI) 84
- electronic discussion lists 160
- Electronic Information Centre (EIC) 165
- electronic journals 159
- electronic network systems 236
- electronic records 231
- electronic trading exchanges 284
- electronic transaction 284
- elevated systems access 141
- email (SMTP) 183
- EMS documentation 270
- EMS records 269
- enabling factors 198
- enterprise 102
- enterprise development 99
- enterprise direction 102
- enterprise labs 99
- enterprise resource planning (ERP) systems 3, 287
- environmental accounting 278
- Environmental Management Information Systems (EMIS) 270
- environmental management systems 269
- Environmental Policy 270
- ERP (Enterprise Resource Planning) 111

Ethernet cables 139
European Union (EU) 259
exchanges 289
Extensible Markup Language (XML)
273
external organisations 91

F

figural patterns 252
file transfer (FTP) 183
firewalls 135
firm-oriented enterprise resource
planning 287
FISKR contributions 154
FISKR framework 155
formation 29
freedom of information (FOI) legislation
190
Freedom of Information Acts 196

G

globalization of trade 219
government data 187
graphical representation 248
group decision support systems
(GDSS) 82
group support systems (GSS) 82

H

hands-on experience 125
heterogeneous repository 144
hierarchies 55
Holistic Approach 212
homogeneity 266
hybrid libraries 158
hypertext transfer protocol (HTTP) 183

I

ICT diffusion projects 259
identification 272
identity 48
illegal intrusions 135
imaging system 228
implementing reengineering 214
in-firm systems 237
increasing access 190

increasing ownership 190
IndexMaker 274
industrial espionage 183
information and communication
technology (ICT) 1, 3, 61,
67, 218, 259
information asymmetry 50, 60
information audit 195
information flow 195, 285
information generation 160
information management 269
Information Management Plan 200
information management skills 158
information management statement
200
information mapping 195
information needs 195
information needs analysis 200
information needs and gap analysis
195
information overload 91
information perspective 193
information privacy 134
Information Resource Management
(IRM) 192
Information Resource Planning 200
information security 133, 134, 136
information security risk 135
information systems 89, 125
information systems accreditation 131
information systems curriculum 125
information technology (IT) 76, 99,
133, 237, 285
Information Technology Review Group
(ITRG) 195
information use 195
information verandas 196
information warfare 183
inhibiting factors 198
initiation 28
innovation 48, 56
innovators 242
integration 285
intellectual flexibility 158
intelligent organisations 100
Intelligent Transport Systems (ITS)
218, 220

Intelligent Vehicle-Highway Systems (IVHS) 220
 inter-linked activities 207
 Internet 84, 288
 Internet connection 137, 140
 Internet Protocol (IP) 183
 Internet Service Providers (ISP) 182
 Interorganizational systems (IOS) 84
 interpretation 68
 interview data 265
 intra-library information security 136
 investment outlays 102
 IT facilitator 190
 IT intermediary 190

J

jobbing mall 59

K

key reengineering principles 210
 knowledge base 2
 knowledge empowered service 13
 knowledge management (KM) 1, 144
 knowledge repository 144
 knowledge sharing 48, 55
 knowledge value networks 12, 13

L

law enforcement 181
 learning organization 212
 leveraging on IT 211
 Librarian 158
 libraries 133
 library automation 133
 library environments 134
 library management 141
 library security 141
 library security address 134
 Library Web Site 170
 linear regression 120
 literature analysis 100
 lobbying 32
 Local Area Network (LAN) 84, 236
 local community groups 126
 logging data 140

M

mainline knowledge management system 146
 maintenance 29
 management integration 285
 management perspective 193
 market exchanges 297
 market research 31
 market-alliances 5
 markets 54
 mass media communications 264
 mass storage requirement 231
 material flow 283
 mathematics of encryption 134
 measures 60
 mediation 162
 mega exchanges 289
 mental interpretation of space 251
 metadata 269, 271
 metamanagement 287
 microcomputers 138
 mutual dependence 53

N

national intelligence 183
 natural order of steps 208
 net-broker 23, 24
 network access problems 165
 network addressing 183
 network hubs 139
 network logs 135
 network organisations 100
 network switches 139
 networking courses 130
 non-profit organizations 130
 Northern Quarter 265

O

object database systems (ODB) 247, 250
 object modelling concepts 253
 object oriented database 258
 object-oriented database systems 250
 on-site communications installations 186

Online Public Access Catalogs
(OPACs) 137
OPAC (Online Public Access Catalog)
133
operating cost 186
operating expenses 102
optical character recognition (OCR)
228
organisational perspective 193
organizational capability (OC) 50
organizational capability approach 49,
50
organizational concept 31
organizational effectiveness 145
organizational measures 60
Organizational Memory (OM) 145
organizational memory information
systems (OMIS) 144, 147
organizational parameters 272
outsourcing 79
over-firm systems 237

P

packet sniffers 135
packet sniffing 139
Paperwork Reduction Act (PRA) of
1980 193
Paperwork Reduction Reauthorisation
Act of 1986 193
partnerships 165
password issues 165
people management 210
perceived responsiveness 114
performance risk 53
personnel security 141
physical security plans 135
point of action 60
post-re-engineering organisations 100
potential intruders 139
practice 68
privacy guarantee 136
private B2B exchanges 293
private sector 205
privatization 213
process orientation 286
project management 128
prospective structure 71

public access workstations 138
public sector 205
public sector data 188
public-use computer facility 140
public-use computer workstation 135
punctuational change 231

R

reactive training 259
real-world experiences 125
record keeping 135
recreational hacking 183
relational risk 53, 54
relationship 51
reliability 272
remote computer control (Telnet) 183
reproducibility 272
requirements engineering 88
resistance to new work methods 91
resource-based business strategy
286
resource-based theory 26
risks 51
router machines 140
routers 135

S

satisfiers 287
SCM (Supply Chain Management)
111
screen sharing 83
search for partners 31
secure wiring 139
security-conscious systems adminis-
tration 141
security-related electronic mailing lists
136
security-related training 136
semantic categorization 256
semantic heterogeneity 271
server technology 184
service-learning 126
service-learning approach 129
service-learning courses 125
service-learning experience 128
service-learning paradigm 125
service-learning partnerships 125

service-learning placement 128
 service-learning project 130
 share resources 129
 shared partnerships 4
 single repository idea 150
 situated interactional relationship 68
 small and medium sized enterprises
 (SMEs) 259
 social activity 71
 social exchange approach 49, 51
 social exclusion 189
 social relationships 115
 solution providers 290
 spatial organization 248
 specialist originators 289
 specialization 256
 spreadsheet 129
 standardization 208, 289
 star-alliance models 4
 strategic IS plan 200
 strategic relationships 209
 student evaluation 125
 successful reengineering 214
 Superfund Document Management
 System 225, 227
 supply chain 283, 284
 syntactic heterogeneity 271
 system logs 138
 systems analysis and design 128
 systems life cycles 227

T

teaching enterprise 110
 technical expertise 158
 technical parameters 272
 technological measures 61
 technology perspective 193
 Telework 79
 temporal parameters 272
 terrorism 183
 theoretical innovation diffusion models
 244
 trading networks 289
 traditional supply chain 284
 transaction-oriented 284
 transactional costs approach 49, 50
 transmission protocols 183

trust 21, 48, 49, 114, 259, 285
 trust and identity 59
 trust in markets 57
 trust in virtual corporations 58
 typology 252

U

U.S. Environmental Protection Agency
 225
 unattended modem 137
 uncertainty 50
 uncertainty with requirements 91
 uncertainty with security 91
 Uniform Resource Locators (URL) 184
 urban environment design 247
 urban environments 247
 urban form 247, 250

V

value added networks 84
 value-alliance models 4
 VAN (Value Added Network) 237
 Virtual Alliance Models (VAM) 6
 virtual brokers 5
 virtual chain 285
 virtual community (VC) 67, 68, 114
 virtual corporation 19, 20, 48,
 59, 209
 virtual creation 4
 virtual encounter 8
 virtual ethnography 71
 virtual faces 3
 Virtual Knowledge Management
 Strategies 10
 virtual organisation 1, 100
 Virtual Organisational Change Model
 (VOCM) 1, 2, 6
 virtual organization 1, 20, 99, 286
 virtual organizing 76
 virtual private networks 84
 virtual software development 88
 virtual supply chains 296
 virtual team 88, 91
 virtual team members 92
 virtual transactional and relational
 exchanges 76

virtual Web management organization
19, 24, 28
virtual Web organization 19, 22
virtual Web platforms 19, 23, 29, 35
virtual Web-based supply chain 283,
284
virtual work environment 2
visual quality control 247
Vocational Education & Training (VET)
170

W

Web browser software 136
Web community 294
web design applications 128
web design course 128
Web page Access 184
web programming 128
Web technology lab costs 186
Web Technology Laboratory (WTL)
182
Web training 185
Web-based Communication 288
Web-based supply chain 283
WebGrrls 71
whiteboarding 83
wide area networks 84
word processing 129
workable definition 67
World Wide Web 181, 231, 263, 283

X

XML-based environmental metadata
269
XML-based metadata systems 269