Index

A

ACM Computer Classification System (CCS) 66
active use 122
ADAPTIT 120
adaptive hypermedia (AH) 252
adaptivity 197
administration tools 256
administrator view 129
affiliation networks 378
agent 191, 232
prototype systems 217
societies 205
-based systems 210
agents support 232
alignment 30
American Productivity and Quality Center 405
analysis 337
architecture 28, 151, 232, 254, 336
Argumentation Framework Level 293
artificial intelligence markup language (AIML) 210
asynchronous knowledge sharing 130
authoring shells (ASs) 226
automatic text classification 158
automatic text summarization 159
autonomy 197

B

B2B portal 150
bottom-up 349
learning 88
browsing and navigation 20
business
intelligence 201
portal 149
buy-in 122

C

capturing knowledge 333
classification 345
classroom 251
CLIPS tool 257
clustering of documents 158
code tutor 267
COGITO 218
cognition 61
cognitive
strategies 87
task analysis (CTA) 92
collaboration 114, 151, 369
  technologies 63
  education 381
  learning 369
collecting 401
collective intelligence 189
combination 61, 62
communication 151, 287
  model 254
  communities of practice 15, 391
  community paradigm 189
  competency 306
  competition support 234
  computer support for collaborative 
    learning (CSCL) 64
  computer-assisted instruction (CAI) 
    83, 229
  computer-based 
    education (CBE) 229
    instruction (CBI) 229
    training (CBT) 229
  computer-supported collaborative 
    learning (CSCL) 370
    work (CSCW) 116, 288
concept mapping 72
conceptual primitives 333
  concurrent versioning control (CVS) 
    193
connecting 401
  constraints 195
consumer or B2C portal 150
content 
  management 153
  systems 193
  syndication 172
context-based portlet integration 178
control 287
  knowledge 87
cooperative 
  agent 199
  mode 286
  study support 234
coopetition 359
  corporate learning environment 1
  cultural values 26
customer 
  creation environments 5
  development 6
  relationship management (CRM) 
    193

D

DAML 89
  +OIL 48, 66
  -ONT 48
  DARPA agent markup language (DAML) 
    66
data warehousing tools 194
decentral IT infrastructure 358
design patterns 16
development know-how 397
diligent 357
  Distributed Semantic Networks Tutor 
    (DiSNeT) 237
document type definition (DTD) 44
documentation 
  management 18
  services 291
domain 
  conceptualization 334
  knowledge 228, 254
domains 347
Dublin Core 47, 154
  Schema 65
dynamic 
  data exchange (DDE) 259
  knowledge network system (DKNS) 
    82

E

e-auctioning 203
e-collaboration 284
e-commerce 203
e-learning 57, 201, 227, 303, 345
  tool 16, 81
e-procurement 203
  Learning Content Management 
    Systems (LCMSs) 232
ease of learning 123
electronic performance support systems 
  (EPSS) 17
enabler 114
enabling technologies 39
enterprise
  application portal 150
  information portal 150
  knowledge portal 150
  or B2E portal 150
entertainment 204
ERP System 128
ES knowledge base files 257
expert
  model 254
  networks 193
eXtensible Markup Language (XML) 40, 68
externalization 62

F
FlowPort 117
FOAF 380
Frame-Annotate-Navigate framework 326
framework 9
fuzzy logic 259

G
global search 151
globalisation 3
groupware 116

H
helpdesk 123
heterogeneous data 235
horizontal portal 149
HrXML 307

I
IBROW 217
IFRAMEs 171
Institute of Knowledge Management
  (IKM) 412
implementation 262
incremental development 5
indexing agent 199
industrial and organizational (I/O) 96
inference knowledge 87
information
  brokering 18
  extraction 157
  retrieval (IR) 58, 162
  security 208
  services 290
  solutions group (ISG) 395
  space search 235
  technology (IT) 107
    department 394
    visualization 58
instructional management systems (IMS) 66
integrative
e  enterprise knowledge portals 146
  ontological schema 308
intelligent
  agents 49
  computer-aided instruction (ICAI) 230
  LMSs (ILMSs) 253
tutoring systems (ITSs) 82, 225, 252
internal processing 87
internalization 62
Intranet 129

J
JADE 215
Java™ 257
  Portlet Specification 175
jigsaw method 370

K
K-INCA 217
knowledge and learning council (KLC) 412
KM implementation 112, 193
KMB/KM Board = Knowledge Management Board 412
knowledge management system (KMS) 412
KMS knowledge analysis 87
KNOW Network 405
knowledge 14
  acquisition loop 304
  agents 189
  bank 393
  base (KB) 339
  capture 92
  Intensive Learning Organization
  intern program (KIP) 400
  management (KM) 13, 57, 105, 193, 304, 358, 383, 394
    framework 107
    system 81, 105
    technology 57, 114
  manipulation activity (KMA) 304
  network (KN) 90
  portals 18, 193
  repository 325
  representation (KR) 91, 304
  sharing 391
  space 325
  transfer 60
  unit (KU) 90
  sharing (KS) 114, 412
know-what 380
know-who nodes 380

L
layout management 151
LEAP 216
learnability 93
learner profiles 308
learning 291
  activities 304, 335
  and development model 28
  architecture 29
  behavior 197
  content 266
  content management systems (LCMSs) 232
  management 21
    systems 232, 252
  object (LO) 93, 304, 253, 327
metadata (LOM) 66
  process 93, 328
  purposes 284
legacy systems 207
leopard stain 349
lifecycle 67
location-based assignments 378
logic level 293
LOM classification 316
Lotus Notes™ 120

M
Magpie 329
most admired knowledge enterprise (MAKE) 412
management 326
mediation services 292
medical applications 203
mental model 8
meta searching 164
metadata 65, 153, 315, 334
meta-metadata 67
multitutor 253

N
namespaces 44
natural language processing (NLP) 210
networked learning 370
new learning infrastructure 225
non-governmental organization (NGO) 412
non-cooperative mode 287

O
OIL 48
ontolingua 89
ontology 47, 65, 88, 155, 254, 302, 327, 345, 360, 374
  interchange language (OIL) 66
  Web language (OWL) 48, 66, 89, 155, 349, 374
  -based competency management 302
    -based metadata 165
open systems architecture 4
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>operations evaluations group (OED) 394</td>
</tr>
<tr>
<td>organizational management 317</td>
</tr>
<tr>
<td>change 391</td>
</tr>
<tr>
<td>root documents address register (RDAR) 240</td>
</tr>
<tr>
<td>RSS feed 174</td>
</tr>
<tr>
<td>P3 tool 272</td>
</tr>
<tr>
<td>pattern matching 259</td>
</tr>
<tr>
<td>pedagogical module 254</td>
</tr>
<tr>
<td>planning 88</td>
</tr>
<tr>
<td>people 113</td>
</tr>
<tr>
<td>-related issues 114</td>
</tr>
<tr>
<td>personal assistant 198</td>
</tr>
<tr>
<td>personalization and security 151</td>
</tr>
<tr>
<td>pervasive computing 218</td>
</tr>
<tr>
<td>pervasiveness 369</td>
</tr>
<tr>
<td>Petri Nets 271</td>
</tr>
<tr>
<td>pooled mode 286</td>
</tr>
<tr>
<td>portal page 152</td>
</tr>
<tr>
<td>vendors 21</td>
</tr>
<tr>
<td>portlets 151</td>
</tr>
<tr>
<td>proactivity 198</td>
</tr>
<tr>
<td>procedural knowledge 92</td>
</tr>
<tr>
<td>process portal 150</td>
</tr>
<tr>
<td>project collaboration 20</td>
</tr>
<tr>
<td>work management framework 30</td>
</tr>
<tr>
<td>Protege 2000 89</td>
</tr>
<tr>
<td>protocol level 293</td>
</tr>
<tr>
<td>proxy agent 200</td>
</tr>
<tr>
<td>RDF 68, 89</td>
</tr>
<tr>
<td>code 156</td>
</tr>
<tr>
<td>metadata 157</td>
</tr>
<tr>
<td>reciprocal networks 381</td>
</tr>
<tr>
<td>recommender 199</td>
</tr>
<tr>
<td>reflection 25</td>
</tr>
<tr>
<td>repository integration 162</td>
</tr>
<tr>
<td>requests table (RT) 240</td>
</tr>
<tr>
<td>resource definition framework (RDF) 40</td>
</tr>
<tr>
<td>reverse engineering 17</td>
</tr>
<tr>
<td>role types 308</td>
</tr>
<tr>
<td>Sametime™ 128</td>
</tr>
<tr>
<td>scenarios 10</td>
</tr>
<tr>
<td>search agent 240</td>
</tr>
<tr>
<td>self-organizing networks 370</td>
</tr>
<tr>
<td>semantic learning organization (SLO) 304</td>
</tr>
<tr>
<td>services 335</td>
</tr>
<tr>
<td>Web (SW) 39, 57, 182, 46, 202, 226, 251, 292, 303, 326, 349, 370</td>
</tr>
<tr>
<td>application framework 329</td>
</tr>
<tr>
<td>technologies 146</td>
</tr>
<tr>
<td>sensemaking 327</td>
</tr>
<tr>
<td>SeRQL 360</td>
</tr>
<tr>
<td>set-based similarity measure 168</td>
</tr>
<tr>
<td>Seven Mountains Integrate™ 120</td>
</tr>
<tr>
<td>Shared Content Object Reference Model (SCORM) 66</td>
</tr>
<tr>
<td>SHOE 48</td>
</tr>
<tr>
<td>situated process 328</td>
</tr>
<tr>
<td>situation oscilloscopes 22</td>
</tr>
<tr>
<td>Smart Agent Middleware 215</td>
</tr>
<tr>
<td>SOAP 374</td>
</tr>
<tr>
<td>socialization 61</td>
</tr>
<tr>
<td>society bridging agent 200</td>
</tr>
<tr>
<td>software agent 191</td>
</tr>
<tr>
<td>source keeper 199</td>
</tr>
<tr>
<td>spatial distance 286</td>
</tr>
<tr>
<td>speech act level 293</td>
</tr>
<tr>
<td>structure management 151</td>
</tr>
<tr>
<td>student advising 236</td>
</tr>
<tr>
<td>model 254, 266</td>
</tr>
<tr>
<td>module 228</td>
</tr>
<tr>
<td>tools 256</td>
</tr>
<tr>
<td>-system communication 254</td>
</tr>
<tr>
<td>supervisor 199</td>
</tr>
<tr>
<td>SWAP project 359</td>
</tr>
<tr>
<td>SWAPSTER Platform for Peer-to-Peer KM 360</td>
</tr>
<tr>
<td>synchronous knowledge sharing 128</td>
</tr>
</tbody>
</table>
synthesis 337
Syracuse University Project Advance® 117

T

task analyst 200
taxonomy 155, 198, 289, 339, 353
-based categorization 160
teacher
    module 228
tools 256
teaching
    classifications 349
    model 88
team
    development 11
    management 11
TeamRoom™ 130
technology 3
temporal distance 286
term-based association analysis 158
The Bank 412
Thematic Groups (TGs) 394
third-party portlets 174
tool 122, 194
top-down 349
    learning 88
    systems approach 5
training management 21
trigger service 332
triples 169
tutoring 237

U

ubiquitous
    computational services 369
    jigsaw method 370
uniform resource identifiers (URIs) 40
URI 68
user 197
    interface 236
    model 383
    training 208

V

value-adding chain 227
vector space model 169
vertical portal 149
virtual
    organizations 358
    reality systems (VRS) 235
    space 5

W

Web
    clipping 171
    of Knowledge 210
    portal 149
    search 227
    services 226, 374
    for Remote Portlets (WSRP) 176
    -based
        learning system (WLS) 288
        LMS 349
    -service definition language (WSDL) 374
Welch Allyn 120
work 27
World
    Bank Group 392
    Wide Web Consortium (W3C) 41, 155
WSRP-based portal architecture 177

X

Xerox DocuShare 117
extensible hypertext markup language (XHTML) 44
XML 259, 306, 374
    schema 44

Z

ZEUS 216