Index

A

action alignment (AA) model 23 ad-hoc location 7 affiliate firms 39 agency theory 84 Air Force Materiel Command 76–80 alliance management 55 artificial intelligence (AI) 171 Association of British Insurers (ABI) 10

B

Bata Insurance Group Plc 9 Bayesian theory 242 bullwhip effect 170–182 business activity monitoring (BAM) 94, 97 business intelligence (BI) 3, 38 business process reengineering (BPR) 36 business productivity, in developing countries 300–310

С

Chartered Insurance Institute (CII) 10 classification system 188 commercial airlines 94 competitors information (CI) 2 computational intelligence, and cultural barriers 193 computational intelligence, in a business environment 183–199 concurrent engineering (CE) 113 consistency 136 contextual data quality 134 controlled requirements expression (CORE) 131 core competencies, company 22 corporate radar system (CRS) 1 corporate strategy 20 currency 136 customer-centric model, in supply chain systems 344 customer relationship management (CRM) 81–93 customer relationship management (CRM) metrics 311–317 customer retention 206

D

data driven 131 data quality 128 data quality dimensions 133 data source availability 137 data warehousing 131 decision making 237–250 decision making, rational 241 decision making, the cognitive process of 243 decision making, theories of 241 decision support system (DSS) 2, 128 decision trees 375 developing countries, and IT training 300–310 document type definitions (DTDs), and XML 376 DSS-METRIQ 134

Index

E

e-bots 170 e-business management 200 e-business models 201 e-commerce, and business 364 e-knowledge network 211 e-sensors 170-182 electronic business balanced scorecard (EBBSC) 203-222 electronic data interchange (EDI) 67 engineered-to-order (ETO) 37 enterprise information system (EIS) 114 enterprise resource planning 172, 311 enterprise resource planning (ERP) 38, 276-299, 359-371 enterprise resource planning (ERP), and communication 282 enterprise resource planning (ERP), factors in the success of 276-299 enterprise resource planning (ERP), management support 281 executive information system (EIS) 2 executive support system (ESS) 2 expected query response time 137 extensible markup language (XML) 373 extrapolation 190

F

Flight Operations System 100 flight planners, monitoring of 103 freight refusal 101

G

game theory 242 global CRM 81–93 Global Head Office 81 goal programming 225 goal question metric (GQM) 130

Η

Housing Development Board (HDB), Singapore 301

I

IBM 84 individual knowledge 152 information processing 273 information system development 251–275 initial aggregations dictionary 139 initial data dictionary 139 initial requirements 139 integrated supply chain management (ISCM) 66-75 integrated supply chain management (ISCM), barriers in analysis 71 integrated supply chain management (ISCM), benefits of 69 intelligent agents 170-182 intelligent design advisor 112-127 intelligent design advisor, and information acquisition 116 intelligent knowledge-based multi-agent decision support architecture (IKMDSA 372 International Organization for Standardization (IS 36 interpolation 190 intra-enterprise integration 359 intrinsic data quality 134 issue-based information system (IBIS) 130

J

joint application development (JAD) 130

K

knowledge, individual 152
knowledge, organizational 153
knowledge integration, and decision support 152
knowledge integration, for organizational decision support 150–169
knowledge management (KM) 150
knowledge management, outsourcing 79
knowledge management strategy, and companies 20
knowledge management strategy, challenges in developing 76–80
knowledge management systems (KMS) 372
knowledge representation, and decision trees 377

L

least developed countries (LDC) 252

M

made-to-order (MTO) 37 management, frontline level 306 management, middle-level 306 management, top-level 304 materials requirement planning (MRP) 360 meter data agents (MDAs) 58

Index

meter providers (MPs) 58 multi-criteria decision making 224

N

national electricity market (NEM) 59 NCR methodology 131 network theory 35

0

operational systems 131 Oracle 67 organizational culture paradigm 283 organizational knowledge 153 original equipment manufacturers (OEMs) 319

P

pragmatic approach 133 process driven 131 product identification code 102

Q

quality function deployment (QFD) 130 quantifying 132 Quantive, LLC 95 queries 128 query frequency 137

R

rational decision making 241 requirements elicitation 130 requirement specification 270 requirements validation 131

S

SCM initiator 42, 44 SCM project 41 ScorWizard 38 sense-and-response system model 175 sensitivity analysis 233 skills acquisition 139 software engineering 267 Southern International Airlines 95 stakeholder 273 stakeholder theory 35 strategic alliance, and culture 55 strategic alliance, and IT issues 56 strategic alliance, and knowledge management 54 strategic alliance, management 55 strategic alliance development, and behavioral factors 52-65 strategic intelligence 1-19 strategic outsourcing 223 supply-chain planning strategy 223 supply chain 34 supply chain management (SCM) 35 supply chain management, and e-collaboration 172 supply chain management, the future of 344–358 supply chain risk management 318-343 supply chain software, and vendors 67

Т

tacit knowledge 150 technology training, in developing countries 300–310

V

vendor managed inventory 172 virtual communities 351 volatility 137

W

Web-based training, and AFMC 77