Index

А

accountability, bias 724 accountability, definition of 723 accountability, in e-budgeting 724 adaptive structuration theory (AST) 365 administration to business (A2B) 578 administration to citizen (A2C) 578 agent freeze 445 agent preactivation 445 agent preactivation 445 agent receptionist 444 agent transport 445 agent transport, bootstrap 447 agent transport, supervised 444 Australia 711–721 authentication, e- 417

В

Beyond2020 584 blogosphere 86 blogs 16, 81-87 blogs, as therapy 83 blogs, definition 81 blogs, executives and 83 blogs, history of 82 blogs, public officials and 84 blogs, public sector and 84-86 blogs, statistics 83 blogs, U.S. military and 85 Bluetooth technology 62, 69 Britain's National Mapping Agency 833-853 BSD license 49 business-to-business (B2B) 115 business-to-consumer (B2C) 115

С

causal-loop diagram 479 certificate authority (CA) 414, 455 change management 922 chief technology officer (CTO) 522 citizen partcipation, Internet based, challeges 34-35 citizen participation, Internet-based 40 citizen participation, Internet-based, issues 32-35 citizen participation, traditional 31-32 civic skills 80 clustering, hierarchical 571 clustering, hybrid 573 clustering, in text mining 595 clustering, partitioning 570 commentariat 93 commercial off the shelf(COTS) 525 communality 80 community, structure of 52-53 community-based research (CBR) 54, 59 community development 59 community informatics 50-60, 59 community informatics, definition 51 community informatics, ethical issues of 53 community informatics, sustainability 54 community informatics, technology concepts of 53 community organization 59 community portal 103 computerized tomography (CT) 363 confidentiality 414 connectivity 80 consumer-to consumer (C2C) 116 consumers-to-business (C2B) 115 content-based image retrieval (CBIR) 615 culture 500 customer relationship management (CRM) 494 customer relations management 558 cybercrime 689

D

data-cube technology 630 database management system (DBMS) 776 database management system (DBMS), heterogeneity 779 data clustering, categorization 568 data longevity 49 data mining, and public administration 557 DaWinciMD 585 decision support system (DSS) 627 deliberation 80 Department of Administrative Services (DOAS) 522 developing nations, adoption of IT 905–924 Diffie-Hellman (DH) protocol 456 digital democracy 854–872 digital democracy, in public administration 855 digital divide 7, 34, 51–52, 60, 62, 80 digital signature 414 digital signature 414 digital signature, and budgetary transactions 725 digital signature signer 417 dissemination process 497

Е

e-authentication 417 e-business 116 e-business, adoption in UK 107-108 e-business, benefits 105 e-business, SME adoption of 106 e-commerce 39, 116 e-democracy 39 e-distribution 116 e-governance 96, 103 e-government 22, 39, 69, 103, 116 e-government, and KM 508-519 e-government, evolutionary approach 30 e-government, services of 96 e-government, SME support 95-97 e-government, stages 23-27 e-government evolution, integration 521 e-government evolution, interaction 521 e-government evolution, publishing 521 e-government evolution, transaction 521 e-government to business (e-G2B) 94 e-management 39 e-marketplace 116 e-Mexico 873-888 e-Mexico initiative 495 e-participation, best practice initiatives 74-80 e-participation, ICT feature effects 73-74 e-participation, individual participation factors 72-73 e-participation, initiative implications 74 e-participation, systems and tools 72 e-participation initiatives 80 e-participation research 70-75 e-procurement 116 e-services 39

early adopters 11 electronic budgeting (e-budgeting) 722-734 electronic business (e-business), and organisational change 834 electronic commerce (e-commerce) 2 electronic data interchange (EDI) 116, 532 electronic government (e-government) 1-2, 11, 30 electronic government (e-government), definition of 750 electronic government (e-government), developing a generic framework 748-774 electronic government (e-government), evolutionary approaches 23 electronic government (e-government), evolutionary approaches, limitations of 23-27 electronic government (e-government), growth stages 3 electronic government (e-government), in Mexico 873-888 electronic health record (EHR) 673 Electronic Health Record Solution 673 electronoic health (e-health) 672-688 enterprise application integration (EAI) 523 enterprise resource planning (ERP) 560 evolutionary models 23 executive information systems (EIS) 627 extensible markup language (XML) 49, 368

F

federal PKI (FPKI) 413 First Amendment 13, 19–21 Firstgov.gov 13 flaming 93 forum 21 forum, nonpublic 21 forum, relevant 21 fraud detection 560 full-time equivalent (FTE) 523

G

geographical information system [GIS] 368 geospatial Web-based information system 775 GNU general public license 49 governance structure 45–46, 49 governance structure, hierarchy 49 government-to-business (G2B) initiatives 2 government-to-citizen (G2C) initiatives 2 government-to-employee (G2E) initiatives 2 government-to-government (G2G) initiatives 2

Index

government innovation 493 Greek municipality 513 group decision support system (GDSS) 366

Η

heterogeneity 777 human resource management system (HRMS) 559 hyperlinks, embedded 12–13, 15–16, 18, 21

Ι

ICTs, effective use of 60 identification number (ID) 455 IEEE 69 IEEE 802.11 62 information and communication technologies (ICTs) 1, 6, 22, 103, 117 information retrieval (IR) 593 information systems (IS) 117 information technologies (IT) 361 information technology cost 7 innovation 11, 106 innovation diffusion theory 6 integration stage 30 integrity, agent 453 intelligent agent 441 inter-agency agreement (IAA) 526 Internet 11.69 Internet, and its impact on political activism 889-904 Internet deliberative features 40 Internet use 896 interoperability 49 intra-business 117 intranet 11 intrusion detection, and public domain 464 intrusion detection system (IDS) 463 intrusion detection system (IDS), and data mining 463-473

Κ

knowledge 494 knowledge discovery 516 knowledge elicitation 497 knowledge elite 890 knowledge identification 495 knowledge management, and e-government 508– 519 knowledge management, and leadership 500 knowledge management process 495 knowledge query and manipulation language (KQML) 441 knowledge transfer 497 knowledge utilization 498

L

land use, in Wisconsin 779 late adopters (laggards) 11 leadership, gatekeeper 642 leadership, networked 641 leadership, organic 642 leadership role 641 lesser GPL 49 licensing components 44–45

Μ

make-or-buy decision 547 memory, organizational 516 micro business 104 Mississippi, IT personnel 737 MIT license 49 Mozilla Firefox 819 multidimensional navigation 581

Ν

National Archives and Records Administration (NARA) 418 navigation, in government Web site 805–817 network 49 new technology, resistance to 6 nonpublic forum 13, 14

0

online analytical processing (OLAP) 581, 627 online analytical processing (OLAP), and data-cube technology 630 online development community 49 online repositories 41 Ontario, e-health 672-688 open communities 41 openness 30 OpenOffice.org 818-832 open source library 49 open source license 49 open source software 41, 42-43, 49 open source software (OSS) 818-832 open source software, benefits of 42-43 open source software, challenges of 43 open standards 41, 42-43, 49 open standards, benefits of 42-43

open standards, challenges of 43 organizational culture 500 organizational leadership 638 Organization for Economic Cooperation and Development (OECD) 790 outsourcing, in IT 664 outsourcing, in public-sector agencies 662–671

Р

paper reduction 4 partnering, private-sector 682 partnering, public-private 675 permalink 93 personal digital assistant (PDA) 592 podcasting 93 political efficacy 80 political participation 30 positive branding effect 13 privacy 7 privacy, government Web site 703 public-key infrastructure (PKI) 413, 453 public-key infrastructure (PKI), federal 413 public administration 1, 11 public administration, advantages of e-government 4 - 5public administration, challenges of e-government 5 - 7public administration, definition 3 public administration, e-government initiatives 3 public forum, designated 13, 14, 21 public forum, traditional 13, 14 public information technology, and human-factors design (UCD) 650-661 public managers 12-13, 19 public wireless internet 61-69

Q

quality 604 quality assurance framework, in public administration 606 quality function deployment (QFD) 607

R

radio frequency identification (RFID) 425–440 radio frequency identification (RFID), readers 428 really simple syndication (RSS) 81, 93 reasonableness test 14, 21 record keeping 418 reference mode 477 regional economic marketplace 104 registration authority (RA) 414 resource description framework (RDF) 499 risk, shared 676 risk assessment 548 roaming, and security 442 roaming permit, request 444

S

SAFE protocol 442 SAFER 453 security 7 security, and certificate authority 418 security, elements of a program 690 security, government Web site 703 security, lack of 453 service-oriented architecture (SOA) 531 servicecenter (SC) 526 shared-service center (SSC) 544 shared-service decisions 547 shared services, risks of 549 sidebar 93 small- and medium-sized enterprises (SMEs) 117 small and medium-sized enterprises (SME) 104 small and medium-sized enterprises (SMEs) 94-95 smart label 429 SMEs 105-110 SMEs, UK policies of 108-110 social capital 53, 60, 80 source credibility 21 South Africa 749 South Korea, online policy forums 854-872 state government 735 state portal 30 State Technology Authority (STA) 522 statistical databases (SDBs) 579 statistical dissemination 581 StatLine 584 stock-and-flow diagram 479 strict scrutiny test 14, 21 structuration theory 362 structuration theory in IT 363 sustainability 60

Т

terrorist attacks 561 text mining 592–603 thread 93 trackback 93 traditional public forum 21 transaction efficiency 5

Index

transaction stage 30 transparent governance 5 trust 6 trust, dimensions of 6

U

universal mobile telecommunications systems (UMTS) 69 user-centered design (UCD) 650 user help, and research questions 808 user help, in government Web site 805–817 user interface (UI) 525

V

very small, small/medium-sized enterprise(vSME) 104 very small SMEs (vSMEs) 96 virtual value chain three-stage development process 97

W

Web-enabled governance 40 Web-enabled governance, trends 32–34 Web application, custom 525 Web application, EAI 525 Web application, static 523 Web application classification 522 Web browser 520

Web browser, Mozilla Firefox 819 Web services, government 533 Web site, assessment of municipal 791 Web site, government 805 Web site, usability in pubic sector 806 Web site evaluation 701 Web sites, as government property 15-16 Web sites, as nonpublic forums 16 web sites, government 13 WiFi 69 WiFi standard 62 wiki 93 WiMax 69 WiMax standard 62 Wireless Internet 69 wireless Internet, and e-government 63-64 wireless Internet, in Michigan 64-66 wireless networks 62 Wisconsin Land Information System (WLIS) 776 World Wide Web 69

Х

XML, for website management 49 XML tool kit 42, 43