Index

A
academic advising 272
academic-corporate partnerships 137
accounting 181
accreditation 13
active learning 17
adaptive inquirer 29
advanced information technology (AIT) 181
advisory board 218
advisory council 137, 139
AI 73
AIT Appropriation 183
AIT Educational Collaborations 184
American Association of Collegiate Schools of Business 143
analyst 91

B
Bario 263
board management 205
board member selection 205
business models 259
business process redesign 8

C
C language 213
C++ Programming 170
case studies 273, 281
category 5 58
center for active learning 17
charter 150
claims analysis 98
classroom interactions 101
classroom-based courses 5
coaches 91
collaborating groups 100
collaboration 91, 181
collaborative learning 88
collaborative software 102
communicating information 78
communication channels 162
community 71
Community and Information Technology Institute 17
community building 223, 226
community content 223, 226
community informatics 247
community network 21, 120
community participation 223
community partners 4
community service 272
community service learning 17
community technology 223
community technology centers (CTCs) 223, 225
computer applications 4, 7
computer literacy 54
computer-aided software engineering tools 183
computer-assisted instruction 89
computer-based programs 164
constructionism 20, 226
consumers of education 116
controlled experiments 273
cooperative design 110
cooperative internship program 146
corporate partnership program 136, 137
cultural constructionism 226
culture of projects and grants 93
culture of schools 89
curriculum 1, 139, 160
curriculum committees 272
curriculum revision 218
curriculum studies 181
cybercamp 116
Index  291

D

data acquisition sites  119
data collection  273
data logging  273
database design  7
database systems  170
database tools  183
deprivation  71
design  22
design framework  102
design processes  280
designers  91
development lifecycle  3
developmental change  91
digital divide  39, 53, 221, 275
discipline-related education  145
documentation  271
domain-specific goals  91
donation  150
dynamic host control protocol  60

E

e-mail server  61
economic hardships  260
education  279
educational method  196
educational organization’s structure  194
educational technology  89
efficiency  89
enterprise modules  188
enterprise systems  183, 184
ethnographic interviewing  92
experience-building internship  145
experience-building opportunities  146
experiences of developing and advanced
nations  206
experiential learning  17
external structures  193

F

focus groups and interviews  273
fund raising  150

G

global markets  182
grant  55

H

housing  223
HUD neighborhood networks  224
human development  109
human subjects  274
human-computer interaction  9,
98, 272, 273

I

industry  3
industry alliance programs  198
industry-university collaboration  205
industry/academic collaboration  180
influence  150
informatics and visualization  73
information and communication technolo-
gies  18, 72, 247
information system failure  161
information systems  249
information systems management  279
inner city  70
International Development Research Center
(IDRC)  262
Internet  52
internship program  5, 140, 145, 218
Intranet  75
IS Advisory Council (ISAC)  142
IS industry boards  205
IS professionals  144
ISP  167
IT industry  169
IT partnerships  160

J

Java  103
joint outcomes  199
joint ventures  140

K

K-12 partnerships  165
K-8 school  54
key engineering challenge  89
knowledge acquisition  119
LAN 54
LAN installation 59
lay epistemics 29
leadership style 98
learning approaches 17
learning as social participation 17
lessons 63
low- to moderate-income and underserved communities 222

Macintosh 54
Malaysia 248
management 271
management information systems 181
mentor training 147
mentoring 102
MetroNet 21
multi-user domain 103
mutual learning 110

national curriculum 72
National Science Foundation 92
Neighborhood Technology Center (NTC) 224
network-based software 117
network-based support 88
networked environment 59
networking 9
non-profit organizations 2

observational studies 274
official work 97
online communities 8

Pan Asia Telecenter Learning and Evaluation Group (PANTLEG) 263
participatory 256
participatory action research (PAR) 257
participatory design 88, 280
Partners in Excellence 161, 165
partnership 140
Piaget’s developmental theory 105
planning 22
policy awareness 280
power structure 97
practitioner-informants 91
private enterprise 255
profit margins 182
project management 4, 43
projects 1, 72
prototyping 17, 26
public management 255
public telecommunications 259

quality of life 260
questionnaires 273

real-time interactions 103
reflection 12
reflection-in-action 100
remote rural community 248
requirements development 109
research 271
research institutions 160
resolutions of conflict 107
rural 247
rural communities 256

Sarawak 248
scenario-based design 90, 92
school of computing 70
school reforms 89
schools 2, 70
selection and placement 147
self-empowerment 119
senior capstone course 8
service 272
service industries 182
service learning 1, 22, 52
service-learning project 52
service-research 271
shared risk 140
sharing of information 117
<table>
<thead>
<tr>
<th>Term</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>situated learning</td>
<td>20</td>
</tr>
<tr>
<td>small business partnerships</td>
<td>171</td>
</tr>
<tr>
<td>social constructionism</td>
<td>226</td>
</tr>
<tr>
<td>social factors</td>
<td>20</td>
</tr>
<tr>
<td>social norms</td>
<td>91</td>
</tr>
<tr>
<td>social science research</td>
<td>48</td>
</tr>
<tr>
<td>spirit</td>
<td>188</td>
</tr>
<tr>
<td>Stages of Partnership Growth model</td>
<td>137</td>
</tr>
<tr>
<td>structural features</td>
<td>188</td>
</tr>
<tr>
<td>structuration</td>
<td>185</td>
</tr>
<tr>
<td>structure of academic/industry collaboration</td>
<td>198</td>
</tr>
<tr>
<td>student assessment</td>
<td>66</td>
</tr>
<tr>
<td>student evaluation</td>
<td>1</td>
</tr>
<tr>
<td>student leadership</td>
<td>98</td>
</tr>
<tr>
<td>student-centered tools</td>
<td>118</td>
</tr>
<tr>
<td>students</td>
<td>1</td>
</tr>
<tr>
<td>subjects</td>
<td>271</td>
</tr>
<tr>
<td>sustainable development</td>
<td>247</td>
</tr>
<tr>
<td>systems analysis and design</td>
<td>4</td>
</tr>
<tr>
<td>task design</td>
<td>17</td>
</tr>
<tr>
<td>task-oriented productivity</td>
<td>98</td>
</tr>
<tr>
<td>teaching</td>
<td>272</td>
</tr>
<tr>
<td>teamwork</td>
<td>3</td>
</tr>
<tr>
<td>technical rationality</td>
<td>18</td>
</tr>
<tr>
<td>technical skills</td>
<td>74</td>
</tr>
<tr>
<td>technological resources</td>
<td>122</td>
</tr>
<tr>
<td>technology acquisition</td>
<td>118</td>
</tr>
<tr>
<td>technology collaborations</td>
<td>183</td>
</tr>
<tr>
<td>technology development</td>
<td>89</td>
</tr>
<tr>
<td>technology infrastructure</td>
<td>193</td>
</tr>
<tr>
<td>technology transfer</td>
<td>48</td>
</tr>
<tr>
<td>telecommunications services</td>
<td>259</td>
</tr>
<tr>
<td>tenure committees</td>
<td>272</td>
</tr>
<tr>
<td>text chat</td>
<td>100</td>
</tr>
<tr>
<td>tool manipulation</td>
<td>91</td>
</tr>
<tr>
<td>training</td>
<td>18, 118, 271</td>
</tr>
<tr>
<td>transferable skills</td>
<td>77</td>
</tr>
<tr>
<td>under-privilege</td>
<td>71</td>
</tr>
<tr>
<td>UNDP</td>
<td>249</td>
</tr>
<tr>
<td>Universal Service Fund</td>
<td>120</td>
</tr>
<tr>
<td>university policies</td>
<td>205</td>
</tr>
<tr>
<td>university-community partnership</td>
<td>258</td>
</tr>
<tr>
<td>urban</td>
<td>222</td>
</tr>
<tr>
<td>urban universities</td>
<td>160</td>
</tr>
<tr>
<td>usability</td>
<td>278</td>
</tr>
<tr>
<td>usability divide</td>
<td>271, 276</td>
</tr>
<tr>
<td>user behavior</td>
<td>278</td>
</tr>
<tr>
<td>user documentation</td>
<td>279</td>
</tr>
<tr>
<td>user groups</td>
<td>2</td>
</tr>
<tr>
<td>user training</td>
<td>278</td>
</tr>
<tr>
<td>users</td>
<td>2</td>
</tr>
<tr>
<td>video conferencing</td>
<td>100</td>
</tr>
<tr>
<td>virtual school</td>
<td>93, 103</td>
</tr>
<tr>
<td>vision scenario</td>
<td>93</td>
</tr>
<tr>
<td>visual programming</td>
<td>170</td>
</tr>
<tr>
<td>W.K. Kellogg Foundation</td>
<td>225</td>
</tr>
<tr>
<td>waterfall process</td>
<td>89</td>
</tr>
<tr>
<td>Web design</td>
<td>6</td>
</tr>
<tr>
<td>Web development tools</td>
<td>170</td>
</tr>
<tr>
<td>Web sites</td>
<td>6</td>
</tr>
<tr>
<td>Web-enabled application</td>
<td>48</td>
</tr>
<tr>
<td>working professionals</td>
<td>169</td>
</tr>
<tr>
<td>workplace</td>
<td>1</td>
</tr>
<tr>
<td>workplace ethics</td>
<td>4</td>
</tr>
<tr>
<td>workshop</td>
<td>147</td>
</tr>
<tr>
<td>World Bank</td>
<td>259</td>
</tr>
</tbody>
</table>