## Index

### A
- action
  - learning 53
  - research 168
- agents of change 181
- application integration (EAI) 372
- Association of Computing Machinery (ACM) 197, 214, 328
- Australia 164
- Australian Computer Society (ACS) 214
- authenticity 254

### B
- body image 248
- business
  - education 58
  - functions 330
  - fundamentals 329
  - information warehouse (BIW) 375
  - intelligence 370–378
  - knowledge 133
  - organization 331
  - performance management (BPM) 268
  - properties 329
  - types 330

### C
- capability maturity model integration (CMMI<sup>sm</sup>) 285
- chief
  - executive officer (CEO) 265
  - information officer (CIO) 265
- CMMI<sup>2sm</sup> 86–104
- co-inquiry 254
- cognitive apprenticeship model 172
- communication 84–104
  - tools 85–104
- competitive
  - advantage 215
  - context 266
- computer engineering (CE) 198
- concept-oriented course architecture (COCA) 327–348
- continuous learning 4
- cooperation 85–104
- coordination 84–104
- copyright 227
- CRESH 271
- critical social theory (CST) 50
- culture 86–104
## Index

<table>
<thead>
<tr>
<th>Column</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>D</strong></td>
<td>database management system (DBMS) 197</td>
</tr>
<tr>
<td></td>
<td>debugging ethical decision making 305</td>
</tr>
<tr>
<td></td>
<td>decision support system (DSS) 371</td>
</tr>
<tr>
<td></td>
<td>demographic group 31</td>
</tr>
<tr>
<td></td>
<td>Department of Trade and Industry (DTI) 351</td>
</tr>
<tr>
<td></td>
<td>discipline 59</td>
</tr>
<tr>
<td></td>
<td>discussion identified skills 322</td>
</tr>
<tr>
<td></td>
<td>diversity 33</td>
</tr>
<tr>
<td></td>
<td>domestic diversity 29</td>
</tr>
<tr>
<td></td>
<td>double-loop learning 53</td>
</tr>
<tr>
<td><strong>E</strong></td>
<td>electronic commerce (e-commerce) 43, 129, 197</td>
</tr>
<tr>
<td></td>
<td>legislation 202</td>
</tr>
<tr>
<td></td>
<td>signature (e-signature) 202</td>
</tr>
<tr>
<td></td>
<td>engineering 160</td>
</tr>
<tr>
<td></td>
<td>enterprise application integration (EAI) 196</td>
</tr>
<tr>
<td></td>
<td>resource planning (ERP) 58, 196, 269, 370</td>
</tr>
<tr>
<td></td>
<td>systems software 57–81</td>
</tr>
<tr>
<td></td>
<td>entrepreneurship education 106, 111</td>
</tr>
<tr>
<td></td>
<td>ethical awareness 221</td>
</tr>
<tr>
<td></td>
<td>ethics 214–241</td>
</tr>
<tr>
<td></td>
<td>ethnicity 34</td>
</tr>
<tr>
<td></td>
<td>experiential group learning 242–263</td>
</tr>
<tr>
<td><strong>F</strong></td>
<td>financial analysis made easy (FAME) database 357</td>
</tr>
<tr>
<td></td>
<td>foreign direct investment (FDI) 108</td>
</tr>
<tr>
<td><strong>G</strong></td>
<td>gender 1–26, 34</td>
</tr>
<tr>
<td></td>
<td>generic goals (GG) 285</td>
</tr>
<tr>
<td></td>
<td>skills 109</td>
</tr>
<tr>
<td></td>
<td>getting alongside 252</td>
</tr>
<tr>
<td></td>
<td>globalization 28–29</td>
</tr>
<tr>
<td></td>
<td>global software development (GSD) 82–104</td>
</tr>
<tr>
<td><strong>H</strong></td>
<td>hacking 218</td>
</tr>
<tr>
<td></td>
<td>HAPPINESS (Holistic APProach to INventing European Staff Solutions) 350–369</td>
</tr>
<tr>
<td></td>
<td>higher education 195–213, 370–378</td>
</tr>
<tr>
<td></td>
<td>human–computer interaction (HCI) 255</td>
</tr>
<tr>
<td></td>
<td>resource (HR) 27, 59</td>
</tr>
<tr>
<td></td>
<td>hybrid 350–369</td>
</tr>
<tr>
<td></td>
<td>Hyperion 264</td>
</tr>
<tr>
<td><strong>I</strong></td>
<td>information and communication technology (ICT) 349–369, 373</td>
</tr>
<tr>
<td></td>
<td>student 105–127</td>
</tr>
<tr>
<td></td>
<td>system (IS) 371</td>
</tr>
<tr>
<td></td>
<td>definition 333</td>
</tr>
<tr>
<td></td>
<td>teaching methodology 327</td>
</tr>
<tr>
<td></td>
<td>types 333</td>
</tr>
<tr>
<td></td>
<td>systems (IS) 27–41</td>
</tr>
<tr>
<td></td>
<td>academics 42–56</td>
</tr>
<tr>
<td></td>
<td>and technology (IS&amp;T) 264</td>
</tr>
<tr>
<td></td>
<td>education 12</td>
</tr>
<tr>
<td></td>
<td>professional 1</td>
</tr>
<tr>
<td></td>
<td>student 1</td>
</tr>
<tr>
<td></td>
<td>technology (IT) 159, 371</td>
</tr>
<tr>
<td></td>
<td>Institute of Electrical and Electronics Engineers (IEEE) 328</td>
</tr>
<tr>
<td></td>
<td>intellectual property 109, 202</td>
</tr>
<tr>
<td></td>
<td>interactive design model 66</td>
</tr>
<tr>
<td></td>
<td>interpersonal skills 2, 129</td>
</tr>
<tr>
<td></td>
<td>introduction 300</td>
</tr>
<tr>
<td></td>
<td>Ireland 105–127</td>
</tr>
<tr>
<td></td>
<td>item reliability 6</td>
</tr>
<tr>
<td><strong>J</strong></td>
<td>Jordan 195–213</td>
</tr>
<tr>
<td><strong>K</strong></td>
<td>knowledge gap 32</td>
</tr>
<tr>
<td></td>
<td>management 87–104</td>
</tr>
<tr>
<td><strong>L</strong></td>
<td>language 85–104</td>
</tr>
<tr>
<td></td>
<td>precision 255</td>
</tr>
<tr>
<td></td>
<td>learning by doing 53</td>
</tr>
</tbody>
</table>
Index

environment 264
strategies 60
style 255
literature review
nontechnical skills 352
technical skills 352

M

majority 34
management
information systems (MIS) 265, 327–348
model
allocate roles 292
monitor and control research project collaboration 293
proposal development and review 286
provide training 292
research collaboration policy 287
review research outcomes 294
Middle East 203
minority 34
motivation 87–104

O

online
survey 5
transaction process principles (OLTP) 373
Organisation for Economic Cooperation and Development (OECD) 284

P

piracy 218
pragmatism 47
principal component analysis (PCA) 6
problem-based learning (PBL) 168
process
areas (PAs) 285
tools 86–104
professionalism 214–241
public relations (PR) 243

R

rarity 44
REACH 196
recall 247
requirements engineering (RE) 161
risk management 88–104

S

ded
self
-employment 106
-esteem 113
-interest 266
Siemens Corporate Research 82–104, 90–104
situated co-inquiry 254
skills
flexibility 109
generic 109
innovation 109
interpersonal 129
practical experience 109
project-based 109
soft 130
small and medium sized enterprises (SMEs) 349–369
social self 248
soft skills 7, 130
software
creation 160
developer 85–104
development 159
development globalization 82–104
engineering (SE) 198
manager 85–104
process 86–104
product knowledge 133
vendor 65
special relationships 280–298
specific goals (SGs) 285
stakeholder 51
student stakeholder 130
studio learning 182
study motivation and background
graduates’ field readiness 312
subject matter expert (SME) 85–104
supplier manager 90–104
supply chain management (SCM) 196, 375
survey findings 357–369
sustainability 43

tailing the process 294
teaching strategies 60
technology
education 27
transfer 87–104, 109
Teradata University Network 269, 272
tertiary education 169
Index

think aloud 248
traditional learning 166
Trinity College 107
trust 83–104
 -building communication 83–104

U

University
 of Limerick (UL) 89–104, 105, 117
 of Nebraska – Lincoln 265
university
 alliance program 65
 competency center (UCC) 275
teaching 64
usability 242–263
 person 242
testing 242, 246, 247–248

V

virtual enterprise 129
virus 218
visibility 84–104
vocational training 62

W

working conditions 10
workplace learning 131