## Index

A	C
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	capability maturity model integration (CMMIsm) 285 chief executive officer (CEO) 265 information officer (CIO) 265 CMMI2sm 86–104 co-inquiry 254 cognitive apprenticeship model 172 communication 84–104 tools 85–104
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	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

curriculum design 70 mapping 183 customer relationship management (CRM) 375  D  database management system (DBMS) 197 debugging ethical decision making 305 decision support system (DSS) 371 demographic group 31 Department of Trade and Industry (DTI) 351 discipline 59 discussion identified skills 322 diversity 33 domestic diversity 29 double-loop learning 53  E electronic	hacking 218 HAPPINESS (Holistic APProach to INventing European Staff Solutions) 350–369 higher education 195–213, 370–378 human -computer interaction (HCI) 255 resource (HR) 27, 59 hybrid 350–369 Hyperion 264  I information and communication technology (ICT) 349– 369, 373 student 105–127 system (IS) 371 definition 333 teaching methodology 327 types 333
commerce (e-commerce) 43, 129, 197 legislation 202 signature (e-signature) 202 engineering 160 enterprise application integration (EAI) 196 resource planning (ERP) 58, 196, 269, 370 systems software 57–81 entrepreneurship education 106, 111 ethical awareness 221 ethics 214–241 ethnicity 34 experiential group learning 242–263  F financial analysis made easy (FAME) database 357 foreign direct investment (FDI) 108	systems (IS) 27–41 academics 42–56 and technology (IS&T) 264 education 12 professional 1 student 1 technology (IT) 159, 371 Institute of Electrical and Electronics Engineers (IEEE) 328 intellectual property 109, 202 interactive design model 66 interpersonal skills 2, 129 introduction 300 Ireland 105–127 item reliability 6  J
G	Jordan 195–213
gender 1–26, 34 generic goals (GG) 285 skills 109 getting alongside 252 globalization 28–29 global software development (GSD) 82–104	knowledge gap 32 management 87–104  L language 85–104 precision 255 learning by doing 53

## Index

environment 264	S
strategies 60	5
style 255	self
literature review	-employment 106
nontechnical skills 352	-esteem 113
technical skills 352	-interest 266
teelinear skins 352	Siemens Corporate Research 82–104, 90–104
M	situated co-inquiry 254
majority 34	skills
management	flexibility 109
information systems (MIS) 265, 327–348	generic 109
model	innovation 109
allocate roles 292	interpersonal 129
monitor and control research project collabora-	practicial experience 109
tion 293	project-based 109
proposal development and review 286	soft 130
provide training 292	small and medium sized enterprises (SMEs)
research collaboration policy 287	349–369
review research outcomes 294	social self 248
Middle East 203	soft skills 7, 130
minority 34	software
motivation 87–104	creation 160
monvation 67-104	developer 85–104
0	development 159
	development globalization 82–104
online	engineering (SE) 198
survey 5	manager 85–104
transaction process principles (OLTP) 373	process 86–104
Organisation for Economic Cooperation and Devel-	product knowledge 133
opment (OECD) 284	vendor 65
P	special relationships 280–298
r	specific goals (SGs) 285
piracy 218	stakeholder 51
pragmatism 47	student stakeholder 130
principal component analysis (PCA) 6	studio learning 182
problem-based learning (PBL) 168	study motivation and background
process	graduates' field readiness 312
areas (PAs) 285	subject matter expert (SME) 85–104
tools 86–104	supplier manager 90–104
professionalism 214–241	supply chain management (SCM) 196, 375
public relations (PR) 243	survey findings 357–369
	sustainability 43
R	T
rarity 44	204
REACH 196	tailoring the process 294
recall 247	teaching strategies 60
requirements engineering (RE) 161	technology
risk management 88–104	education 27
-	transfer 87–104, 109
	Teradata University Network 269, 272
	tertiary education 169

```
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
virtual enterprise 129
virus 218
visibility 84-104
vocational training 62
W
working conditions 10
workplace learning 131
```