## INDEX

| Affiliative leader, 5–6            | Critical success factor (CSF), 1, 13, |
|------------------------------------|---------------------------------------|
| Agile and Lean Six Sigma, 87, 89,  | 18                                    |
| 91–92                              | average importance scores, 17         |
| commonalities and differences,     | for Lean Six Sigma, 3, 14, 19         |
| 89                                 | Cronbach's alpha coefficient, 14      |
| integrating, 91                    | Culture                               |
| Agile Manifesto, 87–88             | of acknowledging problems,            |
| principles of, 88                  | 57–58                                 |
| Ambidextrous organization, 84      | change, 36, 55, 73                    |
| American Society for Quality       |                                       |
| (ASQ), 45                          | Define, measure, analyse, design,     |
| Architectural innovations, 84      | optimize, verify                      |
| Artificial intelligence (AI), 93   | (DMADOV), 86                          |
|                                    | Define, measure, analyse, improve,    |
| Behavioural integrity of leader,   | control problem-solving               |
| 10–11                              | methodology (DMAIC                    |
| Behavioural perspective, 4         | problem-solving                       |
| Bonus schemes, 47                  | methodology), 86                      |
| Bottom-up approach, 72–73          | Design for Lean Six Sigma             |
| Bureaucratic leaders, 5–6          | (DFLSS), 85                           |
| Business strategy, 70, 79          | Effective communication 22            |
| C-+-1-111 01                       | Effective communication, 22           |
| Catchball, 81                      | systems and strategies, 23            |
| Cause and Effect Diagram, 86       | systems and structures, 34            |
| Collective problem identification, | Employees                             |
| 29, 57–58                          | addressing employee concerns,         |
| Communication/awareness, 33–36     | 58–60                                 |
| Communicative mechanisms,          | employee motivation/teamwork,         |
| 22–23                              | 46–48                                 |
| Competency perspective, 4          | involvement, 55–56                    |
| Connection, competence and         | motivation, 11                        |
| character (three Cs), 29–30,       | win hearts and minds of, 56–63        |
| 57                                 | Exploratory factor analysis (EFA),    |
| Constancy of purpose, 11           | 15–16, 19                             |
| Contingency perspective, 4         | Financial accountability, 18-19       |
| Cpk, 86                            | i manificat accountationity, 10 17    |

128 Index

| Fig. 47  | I Ci- Ci (I CC) 1 2 12                           |
|--|--|
| Financial rewards, 47 Fourth industrial revolution. <i>See</i> | Lean Six Sigma (LSS), 1, 3, 13,                  |
| Industry 4.0   | 16–17, 34–35, 93 critical success factors, 14–19 |
| Full time equivalent (FTEs), 59                                | deployment, 10, 34, 55, 65                       |
| Tun time equivalent (1 12s), 37                                | emerging themes of leadership                    |
| General Electric (GE), 26                                      | for, 106–111                                     |
| Green Lean initiatives, 109                                    | emerging trends, 107                             |
| Llighon Education and Training                                 | employees' involvement and,                      |
| Higher Education and Training                                  | 55–56  |
| Awards Council (HETAC), 45                                     | hierarchical roles,                              |
|  | responsibilities and                             |
| Hoshin Kanri (strategy deployment                              | relations, 66–68                                 |
| tool), 77–79<br>and PDCA cycle, 78                             | in industry 4.0, 108–109                         |
| for selection and prioritization of                            | interviewees' positions and level                |
| Lean Six Sigma projects,                                       | of, 20   |
| 80–82  | launching, 66–69                                 |
| 00-02  | leadership, 3, 10–11                             |
| Inclusive bonus structure, 60–61                               | leadership commitment to, 50–53                  |
| Inclusive language, 61–63                                      | leadership perceptions of, 49–50                 |
| Incremental innovations, 84                                    | leadership traits for effective                  |
| Industry 4.0, 108  | deployment of, 19–32                             |
| Lean Six Sigma in, 108–109                                     | management, 69–71                                |
| Innovation and Lean Six Sigma,                                 | momentum in spite of external                    |
| 83–87  | forces, 69–70                                    |
| Leadership, 3, 10, 18, 67                                      | as part of holistic improvement                  |
| commitment, 26   | strategy, 110–111                                |
| commitment to Lean Six Sigma,                                  | project selection and                            |
| 50–53  | prioritization, 79–80                            |
| and Lean Six Sigma, 10–11                                      | research methodology, 13-14                      |
| perceptions of Lean Six Sigma,                                 | resources, 68–69                                 |
| 49–50  | set-up metrics and reviews,                      |
| styles, 5–6, 73–74   | 70–71  |
| theories, 4  | supportive cultural environment,                 |
| traits, 7, 9, 19, 31–32  | 71–73  |
| transparency, 56   | survey respondents, 15–16                        |
| Leadership dependency model, 93,                               | and sustainability, 109–110                      |
| 100, 103–104, 106  | sustaining, 71–74                                |
| interview respondents, 94-95,                                  | win hearts and minds of                          |
| 102–103  | employees, 56–63                                 |
| matrix of coding pattern, 97                                   | Level 5 leader, 5–6                              |
| impact of sector, 99-100                                       | Middle management, 68                            |
| impact of size of organization on                              | Minitab, 44                                      |
| leadership, 96-99  | •  |
| traits, 104–106  | Non-financial rewards, 46–47                     |
| Lean principle, 36   | NVivo 9, 20                                      |

129

Operational excellence (OpEx), 1, Servant leader, 5–6 Service processes, 100 Organization management, 67 Six Sigma, 5–6 Small and medium-sized Organization's leader, 33 communication/awareness, manufacturing enterprises (SMEs), 3 employee motivation/teamwork, Smart Products, 108 46-48 Stakeholder engagement, 91 leadership commitment to Lean Strategy deployment, 77 Six Sigma, 50–53 Hoshin Kanri, 77, 79–80, 82 leadership perceptions of Lean Lean Six Sigma project selection Six Sigma, 49–50 and prioritization, 79-80 training, 36–45 Sustainability, 109–110 Symbolic recognition gestures, 47 Pareto Chart, 86 Participative leader, 5–6 Task-oriented leadership, 4 Plan-Do-Check-Act cycle (PDCA 'Those-to-be-affected' basis, 35 cycle), 78 Top talented staff, selection of, 18 Hoshin Kanri and, 78 Top-down approach, 72 Problem-solving, 29, 57–58 Training, 36–45 Process Capability, 86 factors for selecting candidates Project management, 16–17 for, 38 format, 42 Reward system, 46–47 Transactional leader, 5–6 Rewards for employees, 48 Transcendent leader, 5-6 Risk-Driven Business Model, The, Transformational leaders, 4–6 Trust building, 29, 56–57 Roles, responsibilities and relations (three Rs), 24, 66 Value StreamMap, 86 Visionary leader, 5–6 Salary increments, 47