Contents

List of Figures vii
List of Tables ix
Preface xi
Notes on Contributors xvii

1 Learners' Engagement through SPeCTRUM: A Quantitative Analysis of E-learning in a Higher Education Institution
   Simin Ghavifekr & Dorothy DeWitt 1

2 Teaching and Learning Optimization in the Digital Age: Motivating Students to Learn-by- Doing Using Game-Based Learning on SPeCTRUM
   Azmawaty Mohamad Nor & Hidayah Mohd Fadzil 25

3 The Key Components in Enhancing Learners Motivation by Using Technology for Higher Learning
   Hidayah Mohd Fadzil & Azmawaty Mohamad Nor 41

4 Scholarship of Teaching and Learning Module for Maximizing Student Engagement and Motivation Using SPeCTRUM
   Rafidah A gah Mohd Jaladin & Zuwati Hasim 57

5 Improving University Students Academic Commitment through SPeCTRUM: A Case Study
   Mohammad Ismath Ramzy & Ghazali Darusalam 79