
Education 5.0: Shaping the Future of Learning in a Digital Age

Contents

Editor's Biography.....	i
Preface.....	v
Chapter 1: The Transformation of Education: From Education 1.0 to Education 5.0	1
1. Introduction.....	2
2. The Transformation of Education: From Education 1.0 to Education 5.0.....	3
3. Methodology	4
4. Recommendations	5
Conclusion.....	6
Chapter 2: Digital Transformation in Education: Role of IoT	8
1. Introduction.....	9
2. Digital Transformation in Education: Role of IoT.....	9
3. Methodology	11
4. Recommendations	12
Conclusion.....	12
Chapter 3: Role of IoT in Digital Personalized and Adaptive Learning Platforms	15
1. Introduction.....	16

2. Role of IoT in Digital Personalized and Adaptive Learning Platforms.....	17
3. Methodology	18
4. Recommendations	19
Conclusion.....	20
Chapter 4: The Role of Artificial Intelligence in Education	22
1. Introduction.....	23
2. Role of Artificial Intelligence in Education.....	23
3. Methodology	25
4. Recommendations	25
Conclusion.....	26
Chapter 5: AI enabled Virtual Collaborative Learning Classroom	29
1. Introduction.....	30
2. AI enabled Virtual Collaborative Learning Classroom.....	31
3. Methodology	33
4. Recommendations	33
Conclusion.....	34
Chapter 6: Gamification and Engagement in Modern Education	37
1. Introduction.....	38
2. Gamification and Engagement in Modern Education	38
3. Methodology	40
4. Recommendations	41
Conclusion.....	41

Chapter 7: The Rise AI-enabled E-Learning Platforms and MOOCs	44
1. Introduction.....	45
2. The Rise AI-enabled E-Learning Platforms and MOOCs	45
3. Methodology	47
4. Recommendations	47
Conclusion.....	48
Chapter 8: Immersive Learning VR, AR, and Beyond	50
1. Introduction.....	51
2. Immersive Learning VR, AR, and Beyond	52
3. Methodology	53
4. Recommendations	53
Conclusion.....	54
Chapter 9: Preparing Students for the Future Ready Workforce: Role of Education	57
1. Introduction.....	58
2. Preparing Students for the Future Workforce.....	58
3. Methodology	61
4. Recommendations	61
Conclusion.....	62
Chapter 10: Data-Driven Decision Making in Education: Role of Big Data technologies	65
1. Introduction.....	66
2. Data-Driven Decision Making in Education: Role of Big Data technologies.....	67
3. Methodology	68

4. Recommendations	69
Conclusion.....	69
Chapter 11: Lifelong Learning in the Era of Education 5.0	72
1. Introduction.....	73
2. Lifelong Learning in the Era of Education 5.0	73
3. Methodology	75
4. Recommendations	76
Conclusion.....	76
Chapter 12: Addressing Equity and Accessibility in Digital Education	79
1. Introduction.....	80
2. Addressing Equity and Accessibility in Digital Education.....	80
3. Methodology	82
4. Recommendations	82
Conclusion.....	83