## CONTENTS

**Preface** i  
**Acknowledgements** ii  
**Contents** iv  
**List of Tables** ix  
**List of Figures** x  
**Abbreviations & Acronyms** xii  

### Chapter-1: Introduction 1-22  
1.1 E-Learning Concept 1-3  
1.2 E-Learning: Brief History 3-4  
1.3 Historical Development of LIS Education 5-8  
1.4 Statement of Problem 8-9  
1.4.1 Definition of Research Terms 9-11  
1.5 Objectives of the Study 11  
1.6 Hypotheses 11-12  
1.7 Scope and Limitations of the Study 12-14  
1.8 Research Methodology 14-15  
1.9 Variables Taken 15  
1.9.1 Population and Sampling 15-16  
1.10 Data Collection and Analysis 17  
1.11 Standard Followed 17-18  
1.12 Chapterization 18-19  
**References** 20-22  

### Chapter-2: Review of the Related Literature 23-73  
2 Introduction 23  
2.1 E-Learning: Role, Impact and Success 23  
2.1.1 Role 23-28  
2.1.2 Impact 28-34  
2.1.3 Success 34-36  
2.2 E-learning Tools and Technology 36-42  
2.3 E-Learning Softwares 42-47  
2.4 E-Learning Standards 47-51  
2.5 E-learning Courseware 51-54  
2.6 E-learning in Higher Education 54-58  
2.7 E-Learning in LIS Education 58-61  
2.8 Discussion 61-62  
**References** 63-73  

### Chapter-3: E-Learning in LIS Education 74-132  
3 E-Learning: A brief Description 74-77  
3.1 E-Learning Definitions 77-78  
3.2 Why E-Learning? 78-82  
3.3 Key drivers of E-learning 82-85
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Economic Drivers</td>
<td>82</td>
</tr>
<tr>
<td>3.2</td>
<td>Technological Drivers</td>
<td>82-84</td>
</tr>
<tr>
<td>3.3</td>
<td>Social Drivers</td>
<td>84-85</td>
</tr>
<tr>
<td>4</td>
<td>Prerequisites and Application scenarios for E-learning</td>
<td>85-88</td>
</tr>
<tr>
<td>5</td>
<td>Critical Analysis of advantages and disadvantages of E-Learning</td>
<td>89-98</td>
</tr>
<tr>
<td>6</td>
<td>International Perspective of E-Learning</td>
<td>98-102</td>
</tr>
<tr>
<td>7</td>
<td>E-learning in India</td>
<td>102-103</td>
</tr>
<tr>
<td>8</td>
<td>E-learning initiatives in India</td>
<td>103-113</td>
</tr>
<tr>
<td>9</td>
<td>Need for E-learning in LIS-Education in India</td>
<td>113-120</td>
</tr>
<tr>
<td>10</td>
<td>Challenges to E-Learning in LIS-Education</td>
<td>120-123</td>
</tr>
<tr>
<td>11</td>
<td>Implications of E-learning in LIS-Education</td>
<td>123-124</td>
</tr>
<tr>
<td>12</td>
<td>Discussion</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td>References</td>
<td>126-132</td>
</tr>
</tbody>
</table>

Chapter 4: E-Learning Content Management Systems

1. Learning Management Systems (LMSs) and Learning Content Management Systems (LCMSs) 134-140
2. Characteristics and Generic Components of LCMS 140-141
3. Specific features of LCMS 141-142
4. Issues about integration of LCMS in an organization 142
5. Interoperability 142
6. Standards 142-143
7. System Longevity 143
8. Scalability 143-144

3. E-Learning Content Management Softwares 144-145
4. Advantages of Open Source Software 145-146
5. Disadvantages of Open Source Softwares 146-147
6. Major Open Source E-learning Content Management Systems 147
7. Dokeos 147-148
8. LAMS 148
9. Claroline 148-149
10. ILIAS 149-150
11. Sakai 150-151
12. OLAT 151-152
13. Fle3 152
14. MOODLE 152-153
15. Joomla 153-157
16. Discussion 158

Chapter 5: Data Analysis and Interpretation

1. Introduction 161-162
2. Part-1 LIS faculty member’s response 162
3. Knowledge of faculty members about computers and internet 162-163
4. Rate of awareness and knowledge about E-Learning 163-164
5. Knowledge about the number of institutions providing E-Learning 164-165
5.1.4 Knowledge about the number of institutions providing E-Learning at International Level 164
5.1.5 Participation in any formal training programme on e-learning or e-Resource creation 165
5.1.6 Implementation of e-learning system in LIS-Education in India 165-166
5.1.7 The category of softwares to create e-learning resources in LIS Education 166-167
5.1.8 Infrastructure providing the most versatile solution for delivering online learning 167-168
5.1.9 Infrastructure design offering the most versatile learning delivery system 168
5.1.10 Technique to be used for developing e-learning modules 169
5.1.11 Most effective means of knowledge transfer in electronic environment 169-170
5.1.12 Most critical component of web-based E-learning delivery system 170-171
5.1.13 Different ways effective in communicating with students in online courses 171
5.1.14 Strategies effective in assessing what students are learning from online instruction 171-172
5.1.15 Techniques to keep students motivated throughout the course 172-173
5.1.16 Internet is reliable enough to provide 24x7 delivery of learning 173
5.1.17 Application of e-learning system would replace or substitute the traditional classroom teaching 174-175
5.1.18 Third party providers or outsourcers are a safe and reliable means of providing learning 175-176
5.1.19 Properly implemented human computer interface (HCI) is important to a favourable user experience 176
5.1.20 Features that must be present in an e-learning system 176-177
5.1.21 Five point Likert Scale for showing the agreement or disagreement with expectations out of E-learning 177-179
5.2 Part-2 E-learning proficient staff members’ and student’s response 179-180
5.2.1 Involvement and experience period in online learning and training 180-181
5.2.2 Effectiveness of e-learning in today’s ICT era 181-182
5.2.3 Success of e-learning in the organizations to improve their learning and outreach 182-183
5.2.4 Location of individuals requiring learning 183-184
5.2.5 Mode of delivering learning in an organization 184-185
5.2.6 Frequency of learning carried out in the organization 185
5.2.7 The minimum number of staff members that are required for providing effective online learning and training 186
5.2.8 Expertise of proficient staff members 186
5.2.9 Different ways effective in communicating with students in online Courses 187-188
5.2.10 Focus on learning feedback 188-189
5.2.11 Effective strategies of assessing the learning from online instruction 189-191
Chapter-7: Summary, Findings and Conclusion 251-266
  7.1 Summary 251-252
  7.2 Findings 252-259
  7.3 Tenability of Hypotheses 259-261
  7.4 Conclusion 261-263
  7.5 Suggestions 263-265
  7.6 Scope for further research 265-266

Bibliography/Webliography 267-284

Appendices 285-296
  Appendix-I Survey Questionnaire for Library and Information Science Faculty Members 285-289
  Appendix-II Survey Questionnaire for E-Learning Proficient Staff Members and Students 290-294