<table>
<thead>
<tr>
<th>Figure No.</th>
<th>Title of the Figure</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>E-Content Instructional and E-Learner’s Learning Styles</td>
<td>2</td>
</tr>
<tr>
<td>3.1</td>
<td>Consolidated Responses for Question 1 of Survey I</td>
<td>28</td>
</tr>
<tr>
<td>3.2</td>
<td>Consolidated Responses for Question 2 of Survey I</td>
<td>29</td>
</tr>
<tr>
<td>3.3</td>
<td>Consolidated Responses for Question 3 of Survey I</td>
<td>29</td>
</tr>
<tr>
<td>3.4</td>
<td>Consolidated Responses for Question 4 of Survey I</td>
<td>31</td>
</tr>
<tr>
<td>3.5</td>
<td>Consolidated Responses for Question 5 of Survey I</td>
<td>32</td>
</tr>
<tr>
<td>3.6</td>
<td>Consolidated Responses for Question 6 of Survey I</td>
<td>33</td>
</tr>
<tr>
<td>3.7</td>
<td>Consolidated Responses for Question 7 of Survey I</td>
<td>33</td>
</tr>
<tr>
<td>3.8</td>
<td>Consolidated Responses for Question 8 of Survey I</td>
<td>34</td>
</tr>
<tr>
<td>3.9</td>
<td>Consolidated Responses for Question 9 of Survey I</td>
<td>34</td>
</tr>
<tr>
<td>3.10</td>
<td>Consolidated Responses for Question 10 of Survey I</td>
<td>35</td>
</tr>
<tr>
<td>3.11</td>
<td>Consolidated Responses for Question 11 of Survey I</td>
<td>35</td>
</tr>
<tr>
<td>3.12</td>
<td>Consolidated Responses for Question 12 of Survey I</td>
<td>37</td>
</tr>
<tr>
<td>3.13</td>
<td>Consolidated Responses for Question 13 of Survey I</td>
<td>37</td>
</tr>
<tr>
<td>3.14</td>
<td>Consolidated Responses for Question 14 of Survey I</td>
<td>38</td>
</tr>
<tr>
<td>3.15</td>
<td>Distributions of Responses on Active Learning Strategies by Active Learners</td>
<td>50</td>
</tr>
<tr>
<td>3.16</td>
<td>Distributions of Responses on Passive Learning Strategies by Active Learners</td>
<td>50</td>
</tr>
<tr>
<td>3.17</td>
<td>Distributions of Responses on Active Learning Strategies by Passive Learners</td>
<td>54</td>
</tr>
<tr>
<td>3.18</td>
<td>Distributions of Responses on Passive Learning Strategies by Passive Learners</td>
<td>54</td>
</tr>
<tr>
<td>4.1</td>
<td>Four Servers and Four Storages Experimental Setup</td>
<td>70</td>
</tr>
<tr>
<td>4.2</td>
<td>Proposed Hybrid Agent Based e-Learning System</td>
<td>71</td>
</tr>
<tr>
<td>4.3</td>
<td>Four Learner Groups (Spade/Heart/Diamond/Club) learning on Functions of Operating System</td>
<td>74</td>
</tr>
<tr>
<td>Section</td>
<td>Title</td>
<td>Page</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>4.4</td>
<td>16 Horizontal Navigational Options Provided on Key Features of UNIX</td>
<td>75</td>
</tr>
<tr>
<td>4.5a</td>
<td>Whole to Specific Strategy Using ‘Examples First’ Policy</td>
<td>75</td>
</tr>
<tr>
<td>4.5b</td>
<td>Whole to Specific Strategy Indicating Specific Case on memory and Storage</td>
<td>76</td>
</tr>
<tr>
<td>4.6</td>
<td>‘Top-Down’ Approach in Explaining Pointers</td>
<td>76</td>
</tr>
<tr>
<td>4.7</td>
<td>Example in Explaining ‘Device Independence’ Theme</td>
<td>77</td>
</tr>
<tr>
<td>4.8</td>
<td>Holist Sample on Device Independence</td>
<td>78</td>
</tr>
<tr>
<td>4.9</td>
<td>Down-to-earth Problem for Attacking Current Social/Commercial Issue</td>
<td>78</td>
</tr>
<tr>
<td>4.10</td>
<td>Instruction Based on real World Context</td>
<td>79</td>
</tr>
<tr>
<td>4.11</td>
<td>Distribution of Qualitative Strategies of Survey on Lesson 1</td>
<td>84</td>
</tr>
<tr>
<td>4.12</td>
<td>Distribution of Qualitative Strategies of Design Values on Lesson 1</td>
<td>84</td>
</tr>
<tr>
<td>4.13</td>
<td>Distribution of Qualitative Strategies of Survey on Lesson 2</td>
<td>87</td>
</tr>
<tr>
<td>4.14</td>
<td>Distribution Qualitative Strategies of Design Values on Lesson 2</td>
<td>87</td>
</tr>
<tr>
<td>4.15</td>
<td>Distribution of Qualitative Strategies of Survey on Lesson 3</td>
<td>90</td>
</tr>
<tr>
<td>4.16</td>
<td>Distribution of Qualitative Strategies of Design Values on Lesson 3</td>
<td>90</td>
</tr>
<tr>
<td>4.17</td>
<td>Distribution of Qualitative Strategies of Survey on Lesson 4</td>
<td>92</td>
</tr>
<tr>
<td>4.18</td>
<td>Distribution of Qualitative Strategies of Design Values on Lesson 4</td>
<td>93</td>
</tr>
<tr>
<td>4.19</td>
<td>Distribution of Qualitative Strategies of Survey on Lesson 5</td>
<td>95</td>
</tr>
<tr>
<td>4.20</td>
<td>Distribution of Qualitative Strategies of Design Values on Lesson 5</td>
<td>95</td>
</tr>
<tr>
<td>4.21</td>
<td>Distribution of Qualitative Strategies of Survey on Lesson 6</td>
<td>98</td>
</tr>
<tr>
<td>4.22</td>
<td>Distribution of Qualitative Strategies of Design Values on Lesson 6</td>
<td>99</td>
</tr>
<tr>
<td>4.23</td>
<td>Distribution of Qualitative Strategies of Survey on Lesson 7</td>
<td>101</td>
</tr>
<tr>
<td>4.24</td>
<td>Distribution of Qualitative Strategies of Design Values on Lesson 7</td>
<td>101</td>
</tr>
<tr>
<td>4.25</td>
<td>Distribution of Qualitative Strategies of Survey on Lesson 8</td>
<td>104</td>
</tr>
</tbody>
</table>
4.26 Distribution of Qualitative Strategies of Design Values on Lesson 8................................................................. 104
4.27 Distribution of Qualitative Strategies of Survey on Lesson 9……... 106
4.28 Distribution of Qualitative Strategies of Design Values on Lesson 9.................................................................. 107
4.29 Distribution of Qualitative Strategies of Survey on Lesson 10…… 109
4.30 Distribution of Qualitative Strategies of Design Values on Lesson 10.................................................................. 109
4.31 Distribution of Qualitative Strategies of Survey on Lesson 11…… 112
4.32 Distribution of Qualitative Strategies of Design Values on Lesson 11.................................................................. 112
4.33 Distribution of Qualitative Strategies of Survey on Lesson 12…… 114
4.34 Distribution of Qualitative Strategies of Design Values on Lesson 12.................................................................. 114
4.35 Distribution of Qualitative Strategies of Survey on Lesson 13…… 117
4.36 Distribution of Qualitative Strategies of Design Values on Lesson 13.................................................................. 117
4.37 Distribution of Qualitative Strategies of Survey on Lesson 14 ...... 119
4.38 Distribution of Qualitative Strategies of Design Values on Lesson 14.................................................................. 120
4.39 Critical Possibilities and Deviation of Learning Characteristics..... 127
5.1 Distribution of Reliability Values of Mobile Agents of Pilot Study.......................................................................... 133
5.2 Distribution of Probability Values of Mobile Agents of Pilot Study.......................................................................... 133
5.3 Rate of Reducing Number of Learners from Engagement in Lesson 1........................................................................ 141
5.4 Logarithmic Function ‘M’ Values of Lesson 1.............................. 141
5.5 Distribution of Parent Processes in all the Servers of Lesson 1...... 142
5.6 Range of Parent Processes in Single Server when Running same Lesson 1.................................................................. 142
5.7 Distribution of Child Processes in all the Servers of Lesson 1...... 143
5.8 Range of Child Processes in Single Server when Running
same Lesson 1........................................................................ 143
5.9 Rate of Reducing Number of Learners from Engagement in
Lesson 2.................................................................................. 146
5.10 Logarithmic Function ‘M’ Values of Lesson 2...................... 146
5.11 Distribution of Parent Processes in all the Servers of Lesson 2.... 147
5.12 Range of Parent Processes in Single Server when Running
same Lesson 2........................................................................... 147
5.13 Distribution of Child Processes in all the Servers
of Lesson 2................................................................................. 148
5.14 Range of Child Processes in Single Server when Running
same Lesson 2........................................................................... 148
5.15 Rate of Reducing Number of Learners from Engagement
in Lesson 3.................................................................................. 151
5.16 Logarithmic Function ‘M’ Values of Lesson 3...................... 151
5.17 Distribution of Parent Processes in all the Servers of Lesson 3.... 152
5.18 Range of Parent Processes in Single Server when Running
same Lesson 3............................................................................. 152
5.19 Distribution of Child Processes in all the Servers of Lesson 3..... 153
5.20 Range of Child Processes in Single Server when Running
same Lesson 3............................................................................. 153
5.21 Rate of Reducing Number of Learners from Engagement
in Lesson 4.................................................................................. 156
5.22 Logarithmic Function ‘M’ Values of Lesson 4...................... 156
5.23 Distribution of Parent Processes in all the Servers of
Lesson 4..................................................................................... 157
5.24 Range of Parent Processes in Single Server when Running
same Lesson 4............................................................................. 157
5.25 Distribution of Child Processes in all the Servers of Lesson 4..... 158
5.26 Range of Child Processes in Single Server when Running
same Lesson 4............................................................................. 158
5.27  Rate of Reducing Number of Learners from Engagement in Lesson 5................................................................. 161

5.28  Logarithmic Function ‘M’ Values of Lesson 5......................... 161

5.29  Distribution of Parent Processes in all the Servers of Lesson 5..... 162

5.30  Range of Parent Processes in Single Server when Running same Lesson 5.................................................................... 162

5.31  Distribution of Child Processes in all the Servers of Lesson 5....... 163

5.32  Range of Child Processes in Single Server when Running same Lesson 5.................................................................... 163

5.33  Rate of Reducing Number of Learners from Engagement in Lesson 6................................................................. 166

5.34  Logarithmic Function ‘M’ Values of Lesson 6............................ 166

5.35  Distribution of Parent Processes in all the Servers of Lesson 6..... 167

5.36  Range of Parent Processes in Single Server when Running same Lesson 6.................................................................... 167

5.37  Distribution of Child Processes in all the Servers of Lesson 6....... 168

5.38  Range of Child Processes in Single Server when Running same Lesson 6.................................................................... 168

5.39  Rate of Reducing Number of Learners from Engagement in Lesson 7................................................................. 171

5.40  Logarithmic Function ‘M’ Values of Lesson 7............................ 171

5.41  Distribution of Parent Processes in all the Servers of Lesson 7..... 172

5.42  Range of Parent Processes in Single Server when Running same Lesson 7.................................................................... 172

5.43  Distribution of Child Processes in all the Servers of Lesson 7....... 173

5.44  Range of Child Processes in Single Server when Running same Lesson 7.................................................................... 173

5.45  Rate of Reducing Number of Learners from Engagement in Lesson 8................................................................. 176

5.46  Logarithmic Function ‘M’ Values of Lesson 8............................ 176

5.47  Distribution of Parent Processes in all the Servers of Lesson 8..... 176
5.48 Range of Parent Processes in Single Server when Running same Lesson 8………………………………………………………….. 177
5.49 Distribution of Child Processes in all the Servers of Lesson 8……. 177
5.50 Range of Child Processes in Single Server when Running same Lesson 8………………………………………………………….. 178
5.51 Rate of Reducing Number of Learners from Engagement in Lesson 9…………………………………………………………………….. 180
5.52 Logarithmic Function ‘M’ Values of Lesson 9…………………….. 180
5.53 Distribution of Parent Processes in all the Servers of Lesson 9…… 180
5.54 Range of Parent Processes in Single Server when Running same Lesson 9………………………………………………………….. 181
5.55 Distribution of Child Processes in all the Servers of Lesson 9…… 181
5.56 Range of Child Processes in Single Server when Running same Lesson 9………………………………………………………….. 182
5.57 Rate of Reducing Number of Learners from Engagement in Lesson 10…………………………………………………………………….. 183
5.58 Logarithmic Function ‘M’ Values of Lesson 10…………………….. 184
5.59 Distribution of Parent Processes in all the Servers of Lesson 10…… 184
5.60 Range of Parent Processes in Single Server when Running same Lesson 10………………………………………………………….. 185
5.61 Distribution of Child Processes in all the Servers of Lesson 10…… 185
5.62 Range of Child Processes in Single Server when Running same Lesson 10………………………………………………………….. 186
5.63 Rate of Reducing Number of Learners from Engagement in Lesson 11…………………………………………………………………….. 188
5.64 Logarithmic Function ‘M’ Values of Lesson 11…………………….. 188
5.65 Distribution of Parent Processes in all the Servers of Lesson 11…… 189
5.66 Range of Parent Processes in Single Server when Running same Lesson 11………………………………………………………….. 189
5.67 Distribution of Child Processes in all the Servers of Lesson 11…… 190
5.68 Range of Child Processes in Single Server when Running
same Lesson 11................................................................. 190

5.69 Rate of Reducing Number of Learners from Engagement
in Lesson 12................................................................. 192

5.70 Logarithmic Function ‘M’ Values of Lesson 12...................... 193

5.71 Distribution of Parent Processes in all the Servers of Lesson 12... 193

5.72 Range of Parent Processes in Single Server when
Running same Lesson 12.................................................. 193

5.73 Distribution of Child Processes in all the Servers of Lesson 12..... 194

5.74 Range of Child Processes in Single Server when Running
same Lesson 12................................................................. 194

5.75 Rate of Reducing Number of Learners from Engagement
in Lesson 13................................................................. 196

5.76 Logarithmic Function ‘M’ Values of Lesson 13...................... 197

5.77 Distribution of Parent Processes in all the Servers of Lesson 13... 197

5.78 Range of Parent Processes in Single Server when
Running same Lesson 13.................................................. 197

5.79 Distribution of Child Processes in all the Servers of Lesson 13..... 198

5.80 Range of Child Processes in Single Server when Running
same Lesson 13................................................................. 198

5.81 Rate of Reducing Number of Learners from Engagement
in Lesson 14................................................................. 200

5.82 Logarithmic Function ‘M’ Values of Lesson 14...................... 201

5.83 Distribution of Parent Processes in all the Servers of Lesson 14... 201

5.84 Range of Parent Processes in Single Server when
Running same Lesson 14.................................................. 202

5.85 Distribution of Child Processes in all the Servers of Lesson 14..... 202

5.86 Range of Child Processes in Single Server when Running
same Lesson 14................................................................. 203