# Contents

Acknowledgement .......................................................................................... 1

Abstract ........................................................................................................ IV

List of Tables ................................................................................................ i

List of Graphs ................................................................................................ ii

List of Screenshots ........................................................................................ iv

Chapter 1 ....................................................................................................... 1

Introduction ................................................................................................... 1

1.1 Modern Media and English Language ................................................... 1

1.2 Early Teaching Machines and Evolution of Modern Computers: A Short History 8

1.3 A Brief History of Media in India .......................................................... 9

1.4 Social Media and Social Network in India .............................................. 12

1.5 The Techno-Savvy Generation of the Present Age ................................. 17

1.6 Incorporation of Computers into Classroom .......................................... 21

1.7 Media In Second and Foreign Language Pedagogy ............................... 24

1.8 Creating Authenticity Through Media ................................................... 28

1.9 Teaching the Techno-Savvy Generation ................................................. 30

1.10 New Teacher and Student Roles in the Techno-Supported Language Classroom 32

Endnotes and References ............................................................................. 38

Chapter 2 ..................................................................................................... 44

Review of Related Literature ......................................................................... 44

2.0 Introduction ............................................................................................ 44

2.1 Teaching English Language Learners Through Technology .................... 44
2.2 Know Your Students’ Familiarity with Technology .................................................. 45
2.3 Choosing Authentic Materials and Creating Original Resources ...................... 45
2.4 Students Working With Technology ......................................................................... 46
2.5 Language Use with Technology ............................................................................... 46
2.6 Challenges of Technology Use in Classroom ......................................................... 46
2.7 Why Technology in SLA? ....................................................................................... 47
2.8 E-Creation Tools and Self-Made Computer-Based Resources ............................. 48
2.9 E-Creative Tools: A Virtual Teacher ....................................................................... 48
2.10 Facilitative E-Tools .............................................................................................. 49
2.10.1 Communicative-Facilitative E-Tools ................................................................. 49
2.10.2 Writing / Reading-Facilitative E-Tools .............................................................. 50
2.10.3 Listening-Facilitative E-Tools ........................................................................... 52
2.11 Managing Teaching through Virtual Learning Environments ............................ 53
2.12 Technological Changes and the Subsequent Effects on CALL ......................... 54
2.13 New Technologies Effecting New Aspects of English Language Teaching ...... 56
2.14 Learner Training for Effective Use of CALL ....................................................... 58
2.15 Areas of Computer Technology wherein Learner Training is Needed .......... 58
2.16 Principles for Guiding Teachers for CALL Learners Training ......................... 59
2.17 Electronic Media in Second and Foreign Language Writing ............................. 60
2.18 Attitudinal and Mental Changes Effected by Electronic Media towards ......... 60
2.19 Surface-level, Meaning-level and Syntactic & Discourse-level Changes .......... 61
2.20 LANs, WANs and E-mails for Teaching and Learning Writing .......................... 62
2.21 E-mail for Promoting Proficiency and Motivation in Foreign Language ........... 63
2.22 Framework for Educational Use of Internet Technologies ............................... 64
2.23 Creating Course-Specific CD-ROMs for Interactive Language Learning .......... 65
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.24</td>
<td>Collaborative Online Language Learning</td>
<td>66</td>
</tr>
<tr>
<td>2.25</td>
<td>Supporting Self-Access Language Learning Through Technology</td>
<td>67</td>
</tr>
<tr>
<td>2.26</td>
<td>The Pedagogical Effectiveness of Various Communication Tools and Teaching</td>
<td>67</td>
</tr>
<tr>
<td>2.26.1</td>
<td>Radio</td>
<td>68</td>
</tr>
<tr>
<td>2.26.2</td>
<td>Telephone</td>
<td>69</td>
</tr>
<tr>
<td>2.26.3</td>
<td>Television</td>
<td>69</td>
</tr>
<tr>
<td>2.26.4</td>
<td>Video</td>
<td>70</td>
</tr>
<tr>
<td>2.26.5</td>
<td>Various Teaching Devices</td>
<td>71</td>
</tr>
<tr>
<td>2.26.6</td>
<td>Language Laboratories</td>
<td>72</td>
</tr>
<tr>
<td>2.27</td>
<td>CAI (Computer-Assisted Instruction)</td>
<td>73</td>
</tr>
<tr>
<td>2.28</td>
<td>CALL (Computer-Assisted Language Learning)</td>
<td>74</td>
</tr>
<tr>
<td>2.29</td>
<td>CMC (Computer-Mediated Communication) and Teleconferencing</td>
<td>75</td>
</tr>
<tr>
<td>2.30</td>
<td>Online Communication</td>
<td>76</td>
</tr>
<tr>
<td>2.31</td>
<td>New Literacies: Reading and Writing on the Screen</td>
<td>78</td>
</tr>
<tr>
<td>2.32</td>
<td>Second Language Teaching and Learning Practices</td>
<td>79</td>
</tr>
<tr>
<td>2.33</td>
<td>Writing or Texting Changes Effected by Media Technologies</td>
<td>81</td>
</tr>
<tr>
<td>2.34</td>
<td>Cultural Globalization and Universalization of ELT through ICT</td>
<td>82</td>
</tr>
<tr>
<td>2.35</td>
<td>Technology in Language Learning: Strategies and Applications in</td>
<td>83</td>
</tr>
<tr>
<td>2.36</td>
<td>Where and How to Start ELT with ICT</td>
<td>85</td>
</tr>
<tr>
<td>2.37</td>
<td>Network-Based Technology for ELT: Advantages and Disadvantages</td>
<td>86</td>
</tr>
<tr>
<td>2.38</td>
<td>Interactive Media Learning Environment</td>
<td>88</td>
</tr>
<tr>
<td>2.39</td>
<td>Movies and Internet as Pedagogical Means in ELT</td>
<td>89</td>
</tr>
<tr>
<td>2.40</td>
<td>Film-Literature Pedagogy in ELT</td>
<td>89</td>
</tr>
<tr>
<td>2.41</td>
<td>Computer Technology in Language Assessment</td>
<td>90</td>
</tr>
<tr>
<td>2.41.1</td>
<td>Developing Online Tests</td>
<td>91</td>
</tr>
</tbody>
</table>
2.41.2 Computer-Adaptive Test (CAT) ................................................................. 92
2.41.3 Exploring Innovative Techniques and Issues for CALT ......................... 93
2.41.4 CALT - Computer-Aided Language Testing: Advantages and Limitations .... 94
2.41.5 Problems Posed by CALT ................................................................. 96
2.41.6 Implementing CALT ............................................................................. 98
2.41.7 Examining and Evaluating Validity of CALT ........................................ 98
2.41.8 Quality and Efficiency of CALT .......................................................... 100
2.41.9 The Impact of CALT ........................................................................... 101
2.41.10 E-Assessment: Equitable Ways to Evaluate the Learning Progress of ....... 102
2.41.11 Performance-Based Assessment / Qualitative Test .............................. 103
2.41.12 Types of Performance-Based Assessment / Qualitative Test ................ 104
2.41.13 E-Tools for Performance-Based Assessments / Qualitative Tests ......... 104
2.41.14 Using Multi-Media for Evaluation with Special Reference to Hot Potatoes .... 106
2.42 Machine Translation (MT) as a Tool in L2 / FL Pedagogy ....................... 107

Endnotes and References ........................................................................... 110

Chapter 3 .................................................................................................... 132

Research Design and Methodology .......................................................... 132

3.0 Introduction .......................................................................................... 132
3.1 Research Design and Methodology ....................................................... 132
3.1.1 Descriptive and Analytical Designs and Methods ............................... 133
3.1.2 Experimental Design and Method ..................................................... 134
3.2 Sample Design ..................................................................................... 135
3.3 Variables ............................................................................................. 136
3.4 Tools Used to Collect Data ................................................................... 138
3.4.1 Tools Used in the Non-Experimental Part ....................................... 138
4.2 Analysis and Interpretation of the Data Received through Teachers’ .................. 234
4.3 Analysis and Interpretation of the Scores of Pre-Tests and Post-Tests .............. 270
4.3.1 Pre-Tests and Post-Tests ............................................................................ 270
4.3.2 Hypotheses ............................................................................................... 271
4.3.3 Analysis and Interpretation of Pre-Tests and Post-Tests Scores ................ 272
4.3.4 Comparison of Pre-Test and Post-Test Means ........................................... 288
4.4 Analysis of Machine Translation Data .......................................................... 290
4.4.1 Analysis of Questionnaire ......................................................................... 290
4.4.2 Analysis of Translated Text (Common Task) .............................................. 294
4.4.2.1 Analysis of Rural Area College Students’ Performance .......................... 294
4.4.2.2 Analysis of Urban Area College Students’ Performance ......................... 295
4.4.3 Analysis of Translated Text (Specific Task) ................................................ 298
4.4.3.1 Analysis of Rural Area College Students’ Performance ......................... 298
4.4.3.2 Analysis of Urban Area College Students’ Performance ......................... 299
4.4.4 Statistical Analysis of the Texts Produced with and without Google Translate . 301
4.4.4.1 Hypotheses ............................................................................................... 301
4.4.4.2 Volume of Text (Rural Area Common Task) ............................................ 302
4.4.4.3 Quality of Test (Rural Area Common Task) ............................................ 303
4.4.4.4 Volume of Text (Urban Area Common Task) ......................................... 303
4.4.4.5 Quality of Test (Urban Common Task) .................................................... 304
4.4.4.6 Volume of Text (Rural Area Specific Task) ............................................. 305
4.4.4.7 Quality of Test (Rural Area Specific Task) ............................................. 306
4.4.4.8 Volume of Text (Urban Area Specific Task) ............................................. 307
4.4.4.9 Quality of Test (Urban Area Specific Task) ............................................. 308
4.5 Analysis of Screenshots ................................................................................. 311
Chapter 5

Findings, Conclusion and Suggestions

5.0 Introduction

5.1 Overview of the Study

5.2 Major Findings

5.2.1 Answer to First Research Question

5.2.2 Answer to Second Research Question

5.2.3 Answer to Third Research Question

5.2.4 Answer to Fourth Research Question

5.2.4.1 Examiners' Feedback on the Online / Computerized Speaking Test

5.2.5 Answer to Fifth Research Question

5.2.6 Answer to Sixth Research Question

5.2.7 Answer to Seventh Research Question

5.2.8 Answer to Eighth Research Question

5.2.9 Answer to Ninth Research Question

5.2.9.1 Considerable Increase in the Volume of Text with Machine Translation

5.2.9.2 Evaluation of the Google Translate System

5.2.9.3 Quality of Text with Machine Translate System (Google Translate)

5.2.9.4 Reasons for Better Quality Text with the Google Translate System

Endnotes and References
<table>
<thead>
<tr>
<th>Appendix</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appendix 5</td>
<td>Speaking Test</td>
<td>412</td>
</tr>
<tr>
<td>Appendix 6</td>
<td>Reading Test</td>
<td>413</td>
</tr>
<tr>
<td>Appendix 7</td>
<td>Writing Test</td>
<td>415</td>
</tr>
<tr>
<td>Appendix 8</td>
<td>Research Paper Published in a Peer-Reviewed National Journal</td>
<td>416</td>
</tr>
</tbody>
</table>