

LIST OF APPENDICES

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APPENDIX 1

USABILITY AND ACCESSIBILITY FEATURES OF LEARNING MANAGEMENT SYSTEM (UALMS) TOOL

i) Usability of LMS features:

Sl. No.	How often do you use the following in LMS	Always	Often	Sometimes	Rarely	Never
LMS: Learning Materials/contents						
1.	Text based Learning Materials					
2.	Image based Learning Materials					
3.	Audio based Learning Materials					
4.	Video based Learning Materials					
5.	Animation based Learning Materials					
6.	Interactive simulation based Learning Materials					
7.	Learning Materials viewable as power point presentations					
LMS: Assignments						
8.	Knowing the assignment topic and date for submission					
9.	Submission of assignments					
10.	Resubmission of assignments					
11.	Receiving teacher's feedback/comment on assignments					
LMS: Quizzes						
12.	Knowing the topic and intimation about Quizzes					
13.	Attending ' <i>Multiple Choice Question</i> ' Quizzes					
14.	Attending ' <i>True or False</i> ' Quizzes					
15.	Attending ' <i>Fill in the blanks</i> ' Quizzes					
16.	Attending ' <i>Matching Columns</i> ' Quizzes					

Sl. No.	How often do you use the following in LMS	Always	Often	Sometimes	Rarely	Never
17.	Attending ' <i>Descriptive</i> ' Quizzes					
18.	Attending ' <i>Mathematical Problem</i> ' Quizzes					
19.	Viewing Quiz results					
20.	Feedback for each answer					
LMS: Discussion Forums						
21.	Knowing the online discussion topic					
22.	Posting ideas in the discussion					
23.	Reading peer students' postings					
24.	Starting new discussion threads					
25.	Editing/deleting own posts					
26.	Attaching files in the posts					
LMS: Chats & E-mail						
27.	Communication with teachers through chat					
28.	Communication with peers through chat					
29.	Communication with teachers through e-mail					
30.	Communication with peers through e-mail					
31.	Viewing past chat transcripts					
LMS: Instant Messaging						
32.	Reading messages sent by teachers					
33.	Reading messages sent by peer students					
34.	Sending messages to teachers					
35.	Sending messages to peer students					
36.	Receiving emergency notifications through Instant Messaging					

Sl. No.	How often do you use the following in LMS	Always	Often	Sometimes	Rarely	Never
LMS: Calendar / Announcements						
37.	Knowing dates for tests and exams					
38.	Knowing dates for course events					
39.	Knowing dates for college events					
40.	Viewing Class time table					
41.	Viewing Exam time table					
LMS: Wikis / Blogs						
42.	Sharing ideas through Wiki					
43.	Adding or deleting content in Wiki pages					
44.	Reading teachers' Blogs					
45.	Reading peer students' Blogs					
46.	Commenting on teachers' Blogs					
47.	Commenting on peer students' Blogs					
48.	Creating own Blog					
LMS: Glossaries / Surveys						
49.	Viewing Glossary entries					
50.	Commenting on Glossary entries					
51.	Taking part in Surveys					

ii) Accessibility of LMS features

Sl. No.	Accessibility in LMS	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
52.	Video based Learning Materials are in easily accessible formats					
53.	Audio based Learning Materials are in easily accessible formats					
54.	Animation based Learning Materials are in easily accessible formats					
55.	Allowed to download Learning Materials					
56.	Allowed to submit assignments in any format					
57.	Allowed to access LMS from outside the College through internet					
58.	Allowed to access LMS inside the College through intranet / internet					
59.	LMS is accessible from Mobile devices					
60.	LMS is accessible from Tablet devices					

APPENDIX 2

BARSCH LEARNING STYLE INVENTORY (BLSI)

Sl. No.	Items	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Follow written directions better than oral directions					
2.	Like to see things on chalk board or through visual aids					
3.	Am skillful with and enjoy developing and making graphs and charts					
4.	Can understand and follow directions on maps					
5.	Can better understand a news article by reading it than by listening to it on the radio					
6.	Feel the best way to remember is to picture it in head					
7.	Grip objects in hands during learning periods					
8.	Gain information on an interesting subject by reading related materials					
9.	Can remember more about a subject through listening than reading					
10.	Require explanations of diagrams, graphs or visual directions					
11.	Can tell if sounds match when presented with pairs of sounds					
12.	Do better at academic subjects by listening to lectures and tapes					
13.	Learn to spell better by repeating the letters out loud than by writing the word on paper					

Sl. No.	Items	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
14.	Like to listen to a good lecture or speech rather than read about the same material in a book					
15.	Prefer listening to the news on the radio than reading about it in a newspaper					
16.	Follow oral directions better than written ones					
17.	Push down extremely hard with a pen or pencil when writing					
18.	Enjoy working with laboratory apparatus or models					
19.	Remember best by writing things down several times					
20.	Play with coins or keys in pocket					
21.	Chew gum, snack or munch a candy during studies					
22.	Do movements like tapping pencil, shaking foot etc., while reading					
23.	Am good at working and solving jigsaw puzzles and mazes					
24.	Feel very comfortable touching others, handshaking etc.,					

APPENDIX 3

PERSONAL INFORMATION PROFORMA

1. Name : _____
2. E-mail id : _____
3. Gender : Male Female
4. Course : B.E B.Tech M.E M.Tech
5. Branch : _____
6. Year : I II III IV
7. Experience in using computers:
Less than 3 yrs More than 3yrs but less than 5 yrs More than 5 yrs
8. Experience in using internet:
Less than 3 yrs More than 3yrs but less than 5 yrs More than 5 yrs
9. Frequency of using computers:
Daily Weekly Twice a week Monthly Rarely
10. Frequency of using internet:
Daily Weekly Twice a week Monthly Rarely

LIST OF PUBLICATIONS

PAPERS PUBLISHED

1. P.Thiruselvi & M. Parthasarathy. (2014). Development and Standardization of Usability and Accessibility Features of Learning Management System (UALMS) Tool. *International Journal of Teacher Educational Research*, 3(11), 19-26.
2. P.Thiruselvi & M. Parthasarathy (2014). Universal Design for Learning (UDL) – A Challenging Approach to a Flexible Curriculum for Differently-Abled. *Progressive Outlook*, 4(1-A), 93-97.
3. P.Thiruselvi & M. Parthasarathy (2015). Constructivism: Connecting Digital Immigrants to Digital Natives through Learning Management System (LMS). In Amuthan, A., & Kumar, S. (Eds.), *Quality of Education in the Age of Globalization* (pp.111-116). Chennai, Bhaghavan Printers.
4. P.Thiruselvi & M. Parthasarathy (2015). Learning Management System: A Potential Tool for Global Learning Experience. In Balakrishnan, S., & Govindarajan, K. (Eds.), *Emerging issues and Challenges in Education in India* (pp387-390). Vergal Publications, Tamilnadu.
5. P.Thiruselvi & M. Parthasarathy (2015). Learning Management System to Empower Digital Learners. (Yet to be published).