



Rotary
India Literacy Mission

E-Shiksha Impact Assessment Tool Kit



Measuring Impact of E-Shiksha program

RILM's E-Siksha program is a single classroom audio-visual learning facility for Govt. /aided schools across the country. The facility includes two foremost constituents i.e. hardware and software. Hardware includes projector or television whereas software includes state board mapped curriculum based multimedia content.

Synopsis

It is hard to disregard that the generation of children now moving through our educational system is by far the most visually stimulated generation that system has ever had to teach. Having grown up with cable television, video games, computer software that educates and entertains, and the Internet, our children are truly visual learners coming of age in an increasingly visually oriented world. Notwithstanding individual differences in intelligence and learning style, this generation of children needs to be taught the way they learn best with visual stimulation accompanied by active learning strategies. As educators, we need to prepare our students for the world in which they will live and work. We must allow this understanding of the visual nature of our students to influence our teaching techniques and the educational technologies we employ.

Vision develops rapidly in the infant and so governs human sensory occurrence, it soon evolves into the dominant means through which children learn about their world. Our student population is made up of 65 percent visual learners, 30 percent auditory learners, and 5 percent kinesthetic learners (Mind Tools, 1998). Based on the concept that visual images are a language, visual literacy can be defined as the ability to understand and create visual messages. Development in the area of visual literacy has focused on the growth and expansion of educational programs that stimulate students' abilities to assess and produce a visual language, as well as enhancement of students' reading and writing skills through the use of visual literacy strategies.

Hypothesis

- Every individual has the tendency to forget. Proper use of visual aids helps to retain more concepts permanently.
- Students can study well when they are inspired properly through different visual aids.
- Audio-Visual aids grow the accurate image when the students see and hear properly.
- Audio-Visual aids provide complete example for conceptual thinking.
- Audio-Visual aids create the environment of interest for the students.
- Audio-Visual aids help to increase the vocabulary of the students.
- Audio-Visual aids help the teacher to get sometime and make learning permanent.
- Audio-Visual aids provide direct experience to the students.

Audio-Visual device helps teachers and students in the following ways:

for Teachers:

- To clarify, establish, and correlate and co-ordinate precise conceptions, understandings and appreciations
- Concepts are clarified with greater ease and clarity
- Supports to make learning more actual, active, motivating, encouraging & significant

for Learners:

- Audio-visual representation makes learning more interesting
- Ensure greater attendance
- Increased attentiveness
- Positive impact on learning outcomes of the students in terms of improved retention, sharpened capacities for logical thinking, critical visual thinking, better comprehension, improved language abilities
- Upsurge in child's learning and behavioral habits

Impact assessment will work upon the following indicators:

- A. Student's attendance
- B. Number of enrollment
- C. Subject marks obtained
- D. Impact on learning outcomes/better comprehension
- E. Change in child's learning and behavioral habits
- F. Satisfaction level of parents
- G. Teachers receiving better teaching opportunities, support and resources

Timeline of collection of data for assessment:

- ✓ Before /At the time of installation (SECTION A)
- ✓ In between 1st year (mid of the year) (SECTION B)
- ✓ End of 1st year (SECTION C)

SECTION A

(For School Principal/HM/Head of the Institution)

PERSONAL DETAILS OF THE PERSON FILLING THE FORM

Select your identity

Rotarian Inner Wheel Member Rotaractor RILM

RI District _____ Name of Club _____

Phone Number _____

Full Name _____

Postal Address _____

E-mail id _____

SCHOOL INFORMATION

General Information

1. Name of the School _____

2. UDISE No. _____

3. Name of Principal/HM _____

4. Telephone No. _____

5. Email Id. _____

6. Address _____

7. State _____ & PIN code _____

8. School Category

Primary (up to V)

Elementary (up to VIII)

Secondary (up to X)

Senior Secondary (up to XII)

9. Current School enrolment

10. Number of Teachers

Male _____

Female _____

Total _____

11. Number of trained teachers _____

12. Specify the nature of the training _____

13. Does the school have E-learning facility Yes _____ No _____

14. If yes, how many functional units _____

15. Specify the type of E-learning facility _____

16. If no, does the school need an E-learning facility in your school Yes _____ No _____

17. Availability of classroom for E-learning facility Yes _____ No _____

18. Number of rooms available for E-learning facility _____

19. Status of Electricity _____



SECTION B

(For School Principal/HM/Head of the Institution)

Which classes and subjects were the E-learning used for?

Sl. No.	Class	Subjects: Duration (hours / week)			Remarks
		Science	English	Mathematics	
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

Class Information:

S. No.	Class	Number of Students	Average attendance	Average marks / grades											
				Science				English				Mathematics			
				100	75	50	25	100	75	50	25	100	75	50	25 - 0
				76	51	26	0	76	51	26	0	76	51	26	
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

Assessment sheet for Digital Content

Please rate the Digital Content to the given indicators by circling one of the options

(I)

S. No.	CONTENT APPROPRIATENESS	POOR	AVAERAGE	GOOD	VERY GOOD	EXCELLENT
1	Objectives are clearly stated in the brief accompanying the digital content	1	2	3	4	5
2	Content meets objectives	1	2	3	4	5
3	Content has no factual error	1	2	3	4	5
4	Content is appropriate for the target groups	1	2	3	4	5
5	Content is pedagogically structured	1	2	3	4	5
6	Content is supported by relevant examples	1	2	3	4	5

(II)

S. No.	CONTENT PRESENTATION	POOR	AVAERAGE	GOOD	VERY GOOD	EXCELLENT
1	Introduction is well established	1	2	3	4	5
2	Format of the program is appropriate	1	2	3	4	5
3	Pace of the multimedia is appropriate (not too fast nor slow)	1	2	3	4	5
4	Appropriate use of sound effects	1	2	3	4	5
5	Dialogue delivery is comprehensible	1	2	3	4	5
6	Content has special effects	1	2	3	4	5
7	Motivates learner to reflect & contemplate	1	2	3	4	5
8	Free from any technical glitches	1	2	3	4	5

(III) Mention the specific instances, if the score given on any of the indicators is less than three.

(a) _____

(b) _____

(c) _____

A. Assessment sheet for the hardware (*projector/TV*)

Please rate the hardware appropriateness to the given indicators by circling one of the options

Sl. No.	HARDWARE APPROPRIATENESS	POOR	AVAEERAGE	GOOD	VERY GOOD	EXCELLENT
1	Easy to operate	1	2	3	4	5
2	Picture display quality	1	2	3	4	5
3	Sound quality	1	2	3	4	5
4	Technical support from vendor	1	2	3	4	5

(For Students)

Student's Name: _____

Parent's Name: _____

Name of School: _____

Class: _____

a). Do you find E-learning classes interesting?

Yes

No

b). Please give reasons for enjoying or not enjoying the e-learning classes

c). How often is the E-learning device used for your class?

1 day a week

3 days a week

Once in 2 weeks

Other (Please mention)

d) What subjects do you like most?

5. Does the teacher supervise the system?

Yes

No

6. Do you understand the subjects taught in e learning device?

Yes

No

7. Which type of class do you like attending more?

Only Teacher Instructed Class

Teacher instructed class with the support of the E-learning software

8. Overall Assessment of the E-learning Facility:

	Very Good	Good	Poor	Can't Say
Videos				
Voice Clarity				
Picture Quality				
Activities				
Exercises				

(For Parents)

Student's Name: _____

Parent's Name: _____

Name of School: _____

Class: _____

Date of report: _____

1. Do you know about the e-learning classes attended by your child?

Yes

No

2. If yes, from which source you get to know

Teacher Your child Child's friend Any other (please specify) _____

3. Does your child shows interest for going to school after attending E-learning class in the school?

Yes

No

4. Which class would you prefer your child to attend for improving learning abilities?

i. Only Teacher Instructed Class

ii. Teacher instructed class with the support of the E-learning software (Please explain above response.)

5. Is your child facing any problems in following the E-Learning classes? Please mention

6. Any suggestions to improve the E-learning experience for your child?

7. Did you share your feelings or progress of child with any one (like teacher, other parents, VEC, SMC etc.)?

Yes

No

(For Teachers)

Name of School: _____

Teacher's Name: _____

Class: _____

Date of report: _____

1. Did you receive training for using the E-learning kit?

Yes

No

2. Do you note any difference in the learning abilities (understanding and explaining concepts, improved skills for critical thinking and analysis, retention etc.) of the students after attending e-learning supported classes?

Yes

No

3. What features do you like most about the E-learning facility?

4. Is the E-learning facility user friendly?

Yes

No

If No, what difficulty have you faced?

5. Which style of teaching do you prefer?

- Only Teacher Instructed Class
- Teacher instructed class with the support of the E-learning software

Please explain above response.

6. Do you think that there is any factual error or any suggestions to improve on the E-learning facility?

7. Do you think the content is pedagogically structured?

Yes

No

8. The GUI (Graphical User Interface) is visually appealing

Yes

No

9. Do you think the digital content is interactive?

Yes

No

10. Do you think the audio is in sync with the video?

Yes

No

11. Do you experienced any change in your overall teaching experience.

12. Any other observations and comments to improve the Digital content.

13.

Overall Assessment of the E-learning Facility:	Very Good	Good	Poor	Can't Say
Videos				
Voice Clarity				
Picture Quality				
Activities				
Exercises				

Date:

Place:

SECTION C

(For Teachers)

Month-wise Average Attendance of students in the class prior to installation of the E-learning facility:

	M1			M6			M12		
	No. of Student	Avg. attendance	Avg. marks	No. of Student	Avg. attendance	Avg. marks	No. of Student	Avg. attendance	Avg. marks
Std 1									
Std 2									
Std 3									
Std 4									
Std 5									
Std 6									
Std 7									
Std 8									
Std 9									
Std 10									
Std 11									
Std 12									
Total									

Note: Last column has to be filled

(For Parents)

For capturing behavioral change of student (interview of parents)

1. Is there any improvement in your child in getting organized for school?

Previously

- Almost never
- Frequently
- Once in a while
- Almost all the time
- Sometimes

At present

- Almost never
- Frequently
- Once in a while
- Almost all the time

2. Is there any effort your child put into school related tasks?

- Almost no effort
- Quite a bit of effort
- A little bit of effort

- A tremendous amount of effort
- Some effort

3. How regularly does your child read for him?

- Almost never
- Frequently
- Once in a while

- Almost all the time
- Sometimes

4. How often does your child give up on learning activities that he/she finds hard?

Previously

- Almost never
- Frequently
- Once in a while
- Almost all the time

At present

- Almost never
- Frequently
- Once in a while
- Almost all the time

5. Do your child shows interest in explaining any new topic or concept to you at home in an interesting manner?

- Almost never
- Frequently
- Once in a while

- Almost all the time
- Sometimes

(For Teachers)

For students from class 1-5

1. Do the child listen all instructions carefully and with interest
 Yes No

2. Does the child have an ability to express his/her experiences and imagination
 Yes No

3. In different references does the child able to communicate through speech/sign language/drawing
 Yes No

4. Child can narrate anything gathered by seeing, hearing or reading in his/her own language
 Yes No

5. Child can synchronize a picture and its context while reading
 Yes No

6. Child can tell or write after hearing the context
 Yes No

7. Child can frame and write his/her own story
 Yes No

8. Any other information you wish to share,

Date:

Place: