APPENDIX 1

AN EVALUATIVE STUDY ON THE REACH AND EFFECTIVENESS OF ANNA EDUSAT TELEVISION (Pre-test)

PERSONAL DETAILS:

1. Name:
2. Age:
3. Gender: Male Female
4. College/Institution:
5. Branch/Discipline:
6. E-mail:

GENERAL INFORMATION ABOUT ANNA EDUSAT:

1. Do you watch the Anna Edusat Television programmes in your college?
   a. Yes b. No
2. If yes, is it compulsory in your college curriculum to attend the Anna Edusat?
   a. Yes b. No
3. How often do you watch the Anna Edusat programmes? Average duration/week?
   Everyday in a week 1 hour
   2 to 3 days in a week 2 hours
   Once in a week 3 hours
   Rarely More than 3 hours
4. What are the subjects / lectures have you watched till now?

5. Are the Anna Edusat classes conducted regularly?
   a. Yes     b. No

6. Apart from the Anna Edusat channel have you watched any other? If so, what are they?

7. What kind of programme content would you like to see in Anna Edusat?

ANNA EDUSAT EFFECTIVENESS ON SUBJECT UNDERSTANDING

1. In simple harmonic motion, the value of the formula is \( \frac{d^2x}{dt^2} + \mu^2x = \)
   a. 0  b. 1  c. 2  d. x

2. In the formula \( y'' = 2y' \), then the value is
   \( y(0) = 0 \)  \( y'(0') = 0 \)  \( y'(0) = 2 \)  \( y'(y'') = 0 \)

3. The formula \( y' = \frac{dy}{dt} \) stands for
   a. Distance  b. Speed  c. Velocity  d. Acceleration

4. In the theorem D is called the ____________ operator
   a. Differential  b. Distance  c. Difference  d. Different

5. 1 m²/ sec³ is equal to
   a. t= 0 sec  b. t= 2 sec  c. t= 3 sec  d. t=1 sec

6. In the theorem, \( \mu \) is termed as the ____________ solution
   a. Arbitrary  b. general  c. linear  d. non-linear

7. CF in Linear theorem’s stands for
   a. Complementary function  c. Co-linear function
   b. Coincidence function  d. co-relation function
8. In Leibnitz’s linear equation \((D - M_1) Y = ?\)
   a. 1    b. 2    c. 0    d. \(Y^2\)

9. In nature of roots, the real and two roots are
   a. Equal    b. Different    c. Co-related    d. Alternate

10. Simultaneous _______ equation formula has been analysed in the video

8. Give your suggestions for improving Anna Edusat programmes.

____________________________________________________________________________________
____________________________________________________________________________________
APPENDIX 2

AN EVALUATIVE STUDY ON THE REACH AND EFFECTIVENESS OF ANNA EDUSAT TELEVISION (POST-TEST)

PERSONAL DETAILS:

1. Name: ____________________________
2. Age: ____________________________  E-mail: ____________________________
3. Gender: Male  Female
4. College/Institution: ____________________________
5. Branch/Discipline: ____________________________

I. ANNA EDUSAT EFFECTIVENESS ON SUBJECT UNDERSTANDING

11. In simple harmonic motion, the value of the formula is $\frac{d^2x}{dt^2} + \mu^2x =$
   
   a. 0  b. 1  c. 2  d. x

12. In the formula $y'' = 2y'$, then the value is
   
   a. $y(0) = 0$  b. $y'(0) = 0$  c. $y'(0) = 2$  d. $y'(y'') = 0$

13. The formula $y' = \frac{dy}{dt}$ stands for
   
   a. Distance  b. Speed  c. Velocity  d. Acceleration

14. In the theorem D is called the ______________ operator
   
   a. Differential  b. Distance  c. Difference  d. Different
15. \(1\text{m}^2/\text{sec}^3\) is equal to
   a. \(t= 0\text{ sec}\)  b. \(t= 2\text{ sec}\)  c. \(t= 3\text{ sec}\)  d. \(t=1\text{ sec}\)

16. In the theorem, \(\mu\) is termed as the ____________ solution
   a. Arbitrary  b. general  c. linear  d. non-linear

17. CF in one of the theorem’s stands for
   a. Complementary function  b. Co-linear function
   c. Coincidence function  d. co-relation function

18. In Leibnitz’s linear equation \((D – M_1) Y = ?\)
   a. 1  b. 2  c. 0  d. \(Y^2\)

19. In nature of roots, the real and two roots are
   a. Equal  b. Different  c. Co-related  d. Alternate

20. Simultaneous _______ equation formula has been analysed in the video

1. **PERCEPTION OF THE STUDENTS ON THE PROGRAMME**

   Please mark your response by rounding off the number

<table>
<thead>
<tr>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>No opinion</th>
<th>Agree</th>
<th>Strongly agree</th>
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<tr>
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<th>Post-Test</th>
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<tbody>
<tr>
<td>1 Programme provides new ideas and enrich the innovative thoughts</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>2 Enables to understand the concept more clearly</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>3 High degree of participation and involve of eminent scholars</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>4 The programme was well structured and sufficient time was allocated for each subject / session</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>5 The programmes were well managed and venues were comfortable</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>6 The faculty members presented the materials satisfactorily and it was easy to understand</td>
<td>1 2 3 4 5</td>
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<tr>
<td>7 Several relevant cases/examples /live situations were discussed</td>
<td>1 2 3 4 5</td>
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</table>
2. OPINION ON THE QUALITY OF PROGRAMME IMPARTED

Please mark your response by rounding off the number

<table>
<thead>
<tr>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>No opinion</th>
<th>Agree</th>
<th>Strongly agree</th>
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<td>11</td>
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<td>12</td>
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</table>

3. RESPONDENTS RATINGS FOR THE PROGRAMME TELECASTED

Please mark your response by rounding off the number

<table>
<thead>
<tr>
<th>Very good</th>
<th>Good</th>
<th>Average</th>
<th>Bad</th>
<th>Very Bad</th>
</tr>
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<td>9</td>
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4. PERCEPTIONS ON EFFECTIVENESS OF THE PROGRAMME

Please mark your response by rounding off the number

<table>
<thead>
<tr>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>No opinion</th>
<th>Agree</th>
<th>Strongly Agree</th>
</tr>
</thead>
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<th>Post-Test</th>
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<tbody>
<tr>
<td>1 Acquire, organize, interpret and evaluate information for the academic development</td>
<td>1</td>
<td>2</td>
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<td>5</td>
</tr>
<tr>
<td>2 Enrich the Positive attitude towards subjects</td>
<td>1</td>
<td>2</td>
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<td>5</td>
</tr>
<tr>
<td>3 Adaptability, Motivation, Enthusiasm are enhanced through programme</td>
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<td>2</td>
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<td>5</td>
</tr>
<tr>
<td>4 The influence of programme to rejuvenate the knowledge</td>
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<td>2</td>
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<td>4</td>
<td>5</td>
</tr>
<tr>
<td>5 Facilitates to understand the concept clearly</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6 Edusat programs help in bridging the gap between doubt and the clarity</td>
<td>1</td>
<td>2</td>
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<td>5</td>
</tr>
<tr>
<td>7 Improve the skills and competence</td>
<td>1</td>
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<tr>
<td>8 Stepwise explanation for the problem</td>
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5. STUDENTS’ PERCEIVED IMPACT ON LEARNING

Please mark your response by rounding off the number

<table>
<thead>
<tr>
<th>Strongly disagree</th>
<th>Disagree</th>
<th>No opinion</th>
<th>Agree</th>
<th>Strongly Agree</th>
</tr>
</thead>
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<th>Post-Test</th>
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<tbody>
<tr>
<td>1. Enables me to develop my own understanding of a particular topic</td>
</tr>
<tr>
<td>2. Encourages me to actively discover new knowledge</td>
</tr>
<tr>
<td>3. Provides me with opportunity to view difficult, dangerous or costly experiment/activity</td>
</tr>
<tr>
<td>4. Stimulate active discussion in class</td>
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<tr>
<td>5. Makes learning more fun</td>
</tr>
<tr>
<td>6. Enables me to understand a particular topic in a short period of time</td>
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<tr>
<td>7. Helps me to understand complex ideas</td>
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<td>8. Increases my concentration during the learning processes</td>
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<tr>
<td>9. Enables me to learn on my own</td>
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<tr>
<td>10. Increases my motivation to learn</td>
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<tr>
<td>11. Enhances my problem solving skills</td>
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<tr>
<td>12. Helps me think critically</td>
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<tr>
<td>13. Helps me think creatively</td>
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<tr>
<td>14. Helps me to improve my performance in related subjects</td>
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</table>
APPENDIX 3

QUESTIONS RAISED IN SUBJECT EXPERTS INTERVIEW

- How long have you been taking classes in Anna EDUSAT?
- Opinion about the Anna EDUSAT?
- Are the overall facilities in Anna EDUSAT upto the mark for taking classes?
- Do the students respond well?
- Is Anna EDUSAT a successful programme?
- How long you have been doing EDUSAT program lecture?
- Did you get any chance to interact with students during live program?
- Have you faced any problem in teaching through the Anna EDUSAT?
- Kindly suggest or give ideas for the improvement for the training programme?
- What do you think is lacking in Anna EDUSAT training programme which is not letting it to become a successful programme?
- On the overall what would you like to comment on the training programme?
- Students have expressed they would prefer to see the lectures in Tamil language. Do you feel the same?
APPENDIX 4

TOPICS USED IN FOCUS GROUP DISCUSSION

- Watching Educational Television Channels in general.

- Opinion about Anna EDUSAT

- The pros and cons of Anna EDUSAT channel

- How it can be improvised further

- The overall hindrances students face while watching the educational videos.

- How far Television is helpful in broadcasting such educational contents.

- The popularity of the Anna EDUSAT among the students and their teachers.
APPENDIX 5

The lists of the colleges affiliated to the Anna EDUSAT training program are listed below

1. Aalim Muhammed Salegh College of Engineering
2. Adhiparasakthi College of Engineering Vellore
3. Adhiparasakthi Engineering College Melmaruvathur
4. Anjali Ammal Mahalingam Engineering College
5. Annai Teresa College of Engineering
6. Arulmigu Kalasalingam College of Engineering
7. Arulmigu Meenakshi Amman College of Engineering
8. Arunai Engineering College
9. Balaji Institute of Engineering & Technology
10. Bannari Amman Institute of Technology
11. BS.Abdur Rahman Crescent Engineering College
12. C.Abdul Rahman Crescent Engineering College
13. Dr. Paul’s Engineering College
14. Easwari Engineering College
15. Edayathangudy G.S.Pillay Engineering College
16. Francis Xavier Engineering College
17. Institute of Road & Transport Technology
18. Jaya Engineering College
19. Jayam College of Engineering & Technology
20. K.S. Rangasamy College of Technology
21. Kamaraj College of Engineering & Technology
22. Karpaga Vinayaga College of Engineering & Technology
23. KCG College of Technology
24. Kings College of Engineering
25. Kumaraguru College of Technology
26. Madha Engineering College
27. Noorul Islam College of Engineering
28. P.S.N.A College of Engineering & Technology
29. Priyadharshini Engineering College
30. Rajiv Gandhi College of Engineering
31. SACS – M.A.V.M.M Engineering College
32. Scad College OF Engineering & Technology
33. Sona College of Engineering
34. Sree Sowdambika College of Engineering
35. Sri Nandhanam College of Engineering & Technology
36. Sri Ramakrishna Engineering College
37. Sri Ramakrishna Institute of Technology
38. Sri Sairam Engineering College
39. SSN College of Engineering
40. St.Peter Engineering College
41. Sudharsan Engineering College
42. Syed Ammal Engineering College
43. Thiruvalluvar College of Engineering & Technology
44. Vel High Tech S R S Engineering College
45. Vel Tech Engineering College
46. Velammal Engineering College
47. Vins Christian College of Engineering
48. Surya College of Engineering and Technology
49. SKR Engineering College
50. SMK Fomra Institute of Technology
51. Saveetha Engineering College
52. Bhajarang Engineering College, Thiruvallur
53. Hindustan Institute of Technology & Science, Padur,
54. ST.Xavier’s Catholic College of Engineering
55. Thiruvalluvar College of Engg & Technology, Vandavasi
56. University College of Engineering Tindivanam,
57. University College of Engineering Arni
58. University College of Engineering Villupuram
59. University College of Engineering Kanchipuram
60. University College of Engineering, Tiruchirappalli
61. University College of Engineering Ariyalur
62. University College of Engineering Panruti
63. University College of Engineering Pattukottai
64. University College of Engineering Thirukkuvalai
65. University College of Engineering, Dindigul
66. University College of Engineering, Ramanathapuram
67. University College of Engineering, Tirunelveli
68. University College of Engineering, Nagercoil
69. University College of Engineering, Thoothukudi
70. Vel Multi Tech Sri Rangarajan Shakunthala Engg College, Chennai
71. Ganadipathy Tulsi’s Engineering College, Vellore
APPENDIX 6

SCREEN SHOTS OF ANNA EDUSAT VIDEOS