



## **Opinions of Students of Agricultural College, Bapatla Towards Model Class Room**

**U Kiran, T Prasantha Kumar and T Gopi Krishna**

Department of Agricultural Extension, Agricultural College, Bapatla 522 101, Andhra Pradesh

### **ABSTRACT**

Agricultural College, Bapatla was purposively selected out of the six Agricultural Colleges in ANGRAU to know the opinions of students and teachers towards the Model Class Room. The study was conducted by adopting the Ex - post - facto research design. The respondents for the study all final year B. Sc (Ag.) students (90) on rolls as on the date of study in the selected campus. The findings of the study revealed that majority of the respondent Students had neutral opinion towards model class room.

**Key words :** Opinions, Model class room.

Teaching is as old as mankind. The ultimate goal of teaching is to achieve mastery in learning and improve the quality of human performance. Stated that successful teaching is nine tenths perspiration and one-tenth inspiration. In other words, besides the art of delivery, the teacher must put in lot of hard work for achieving success in teaching. Teaching cannot happen without learners. In fact, teaching and learning are the two sides of the same coin. A student and teacher's general performance in learning and teaching is influenced by various internal and external factors. The opinions of students towards the model class room collected in the present study are of instrumental Value in improving the model classroom conditions there by improving the learning outcome of the student.

### **MATERIAL AND METHODS**

The present Study was conducted by adopting Ex - Post - Facto Research Design. by selecting Agricultural College; Bapatla purposively out of the six Agricultural College in ANGRAU, Andhra Pradesh as it is the oldest College with supposed to be well experienced faculty and required Infrastructural facilities. All Final year B. Sc (Ag.) students (90) were purposively selected. Frequency (f) and Percentages (%) were used for statistical analysis.

### **RESULTS AND DISCUSSION**

#### **Opinion of respondent students towards model classroom**

The Table 1 depicts the opinion of agricultural students towards model classroom. Interestingly, majority of the students developed neutral opinion (60.00%) followed by favourable opinion (23.33%) and unfavourable opinion (16.67%).

1.The Statement "Orientation in rectangular classroom keeps the teacher closer to the students." was agreed by majority (36.66%) of the respondent students followed by the rest coming under undecided (34.44%), strongly agreed (21.11%), disagree (8.88%) and strongly disagree (1.11%) categories. This might be due the fact that it helps the teacher to maintain better eye contact with the student. It was in coincidence with the school of thought indicated in an article entitled guidelines for smarter college classrooms from a home page sited in the website [www.classrooms.com](http://www.classrooms.com).

2.Over the statement "A classroom with only one entrance/exit door is limited to a maximum number of 25 students" was undecided by majority (44.44%) of the students followed by the remaining coming under agree (28.88%), strongly agree (16.66%), disagree (7.77%) and strongly disagree (2.22%) categories. This helps the teacher to pay

attention on the discipline of students. It is in conformity with the findings of Michael Owu (1992).

3. "Front of the room needs to accommodate chalkboards, over head projectors, screens, as well as walking space for pacing professors" was agreed by more than half (53.33%) followed by undecided (24.44%), agreed (15.55%), disagree (5.55%) and strongly disagree (1.11%) categories, respectively. . This may be due to the convenience it provides to students for viewings the things written properly.

4. "Sitting arrangements in curved rows rather than H-shape / L-shape sittings" agreed by the higher proportion (38.88%) of the respondent students as it provide better eye contact when convening a class followed by undecided (28.88%), strongly agree (24.44%), disagree (6.66%) and strongly disagree (1.11%) Categories, respectively. Sitting arrangements in curved rows which provide better eye contact of the students with the teacher.

5. "Avoid raised platforms in the classrooms" was undecided by the more than half (51.11%) of the respondents followed by agree (28.88%) since the teacher can easily interact with students, strongly agree (14.44%), disagree (3.33%) and strongly disagree (2.22%), categories. Raised platforms should be avoided because it decreases the rapport between students and teachers.

6. "Carpeting avoids unwanted sounds such as chairs being moved or feet being shuffled" was agreed by the more than half (63.33%) of the students followed by undecided (22.22%), strongly agree (10.00%) and strongly disagree (1.11%). This might be due to the fact that carpeting avoids unnecessary sounds which disturb the attention of the students in the classroom.

7. "Chalkboards are not required for model classrooms" was disagreed by the most of (27.77%) the respondents followed by strongly disagree (22.22%), agree (27.77%) and strongly agree (2.22%) categories, respectively. Chalkboards help in drawing more attention of the students, that's why majority of students favoured about chalkboards.

8. "Chalkboards are preferred over white magic marker boards by most of the teachers" was interestingly agreed by half of (53.33%) the respondent students followed by undecided (22.22%), strongly agree (17.77%) and disagree (6.60%).

9. "Four lighting zones in each model classroom are essential. i.e. (i) Back row, (ii) Centre seating area (iii) Front presentation area (iv) Lectern / side board light" was agreed by the higher proportion (44.44%) of the respondents followed by undecided (28.88%), strongly agree (22.22%), strongly disagree (3.33%) and disagree (1.11%) categories, respectively. . This might be due to the universally agreeable fact that good lighting is essential for better readability.

10. "Ceiling fans provide user-friendly way for teachers to have some control of air circulation in the classroom" was agreed (44.44%) followed by undecided (34.44%), strongly agree (17.77%), disagree (13.33%) and strongly disagree (1.11%) by the respondents. This may be due to the fact that the ceiling fans provides air circulation in the classroom that helps the students to feel comfortable.

11. "Installation of telephone/ Net facility at front corner of each model classroom is preferred" was undecided (42.22%) followed by agree (34.44%), strongly agree (15.55%), disagree (5.55%) and strongly disagree (2.22%) by the students. The inclination towards agreement might be due to the better opportunities that the Internet facility offers to the students for clearing their doubts immediately and updating their knowledge.

12. "Acoustical ceiling treatment i.e., carpeting, sound absorption panels" was agreed and undecided equally i.e., 33 frequency wise, 36.66 per cent wise by the majority students followed by strongly agree (13.33%), disagree (11.11%) and strongly disagree (2.22%) categories respectively.

13. "Students prefer tablet (chair) arms (130 sq. inch)" was interestingly strongly agreed (43.33%) followed by agree (26.66%), undecided (24.44%), disagree (3.33%) and strongly disagree (1.11%) Categories, respectively. This may be due to the comfort being offered by Chairs with arms 130 square inches for note taking, for doing calculations and keeping exam materials.

14. "A chair and a 5' x 2' Teacher's table are desirable in model classroom" was agreed by majority (53.33%) of the respondent students followed by undecided (35.55%), strongly agree (12.22%) and disagree (11.11%) categories. This may due to the opportunity that they provide for

Table1. Distribution of respondent students according to their opinion towards model classroom.

S. No.	Opinion Category	Students	
		Frequency	Percentage
1.	Favourable Opinion	21	23.33
2.	Neutral Opinion	54	60.00
3.	Unfavourable Opinion	15	16.67
	Total:	90	100.00

teacher to sit for a while and keep teaching materials.

15. "Placement of wall mounted watch at the center of rear/front wall of model classroom" was undecided (48.88%) followed by agree (42.22%), strongly agree (8.88%) for effective time management and disagree (1.11%). This might be due to the fact of every one in possession of either watch and cell phones.

16. "Audio visual control glass cabin accommodated at the North-West corner of the model classroom does not facilitate neither audio nor visual adjustments" was undecided (36.66%) followed by disagree (30.00%), strongly disagree (18.88%), agree (13.33%) and strongly agree (2.22%) by the respondents. This might be due the Scientific Orientation of the Agricultural Students away from the religious dogmatism.

17. "Computer facility is not required in a model classroom" was interestingly disagreed by more than half of the (52.22%) respondent students followed by undecided (24.44%), strongly disagree (21.11%) and agree just 2.22 per cent. This might be due the additional advantages it offers to take advantages of prepared and programmed modules effectively.

18. "One Over Head Projector, One Slide Projector, One Television and One LCD (Liquid Crystal Display) facility are required for effective projection in a model classroom" was strongly agreed by the higher proportion (54.44%) of the respondents followed by agreed (25.55%), undecided (13.33%) and disagreed (6.66%) categories, respectively. This may be due the vivid experience that they provide it to the learner breaking the monotony.

19. "25 feet deep room with 25 seats needs 6 - foot wide screen" was interestingly agreed by

the most (63.33%) of the respondent students followed by undecided (17.77%), strongly agree (15.55%) and disagree (3.33 %), respectively. This might be to facilitate students to view the object clearly.

20. "Window and door coverings do not minimize the outside light" was strongly disagreed by the higher proportion (47.77%) of the respondents followed by undecided (30.00%), disagree (26.11%) and agree (1.11 %) categories, respectively.. This might be due to the visualized effect of them for screening.

21. "Well ventilation is not required for a model classroom" was disagreed (40%) followed by undecided (40.00%), strongly disagree (16.66%) and agree just 3.33 per cent only. This may be due to its essentiality to keep the concentration of the people alive without any suffocation.

22. "Pleasing and eye catching colours are not preferred for the walls of the model classroom" was disagreed by the half of the (50.00%) respondent students followed by strongly disagree (30.00%), undecided (18.88%) and agree (1.11%), response Categories. This may be due to the Soothing effect that on thinking.

23. "Air conditioning and false roofing are not preferred in a model classroom" was deriving undecided (36.66%), disagreed (34.44%), strongly disagreed (21.11%) and agreed (7.77%) responses from the respondent students. This may be due the humid climate prevailing.

24. "Placement of lectern at right side of teacher's table with collar mike & remote control facilitates effective teaching" was interestingly agreed by the majority (40%) of the students followed by the remaining with strongly agree (28.88%), disagree (23.33%) and Strongly disagree (7.77%) responses, respectively. This may be due

Table 2. Response analysis of the opinion of students towards model classroom

S.No.	Opinion	Response Categories											
		Strongly Agree		Agree		Undecided		Disagree		Strongly Disagree			
		F	%	F	%	F	%	F	%	F	%		
1.	Orientation in rectangular classroom keeps the teacher closer to the students.	19	21.11	33	36.66	31	34.44	8	8.88	1	1.11		
2.	A classroom with only one entrance/exit door shall be limited to a maximum number of 25 students.	15	16.67	26	28.89	40	44.44	7	7.78	2	2.22		
3.	Front of the room needs to accommodate chalkboards, overhead projectors, screens, as well as walking space for pacing professors and open space for displays and experiments.	14	15.56	48	53.33	22	24.44	5	5.56	1	1.11		
4.	Sitting arrangements in curved rows rather than H-shape / L-shape sittings etc., provides better eye contact for convening a class.	22	24.44	35	38.89	26	28.89	6	6.67	1	1.11		
5.	Avoid raised platforms in the classrooms, so that teacher can easily interact with students.	13	14.44	26	28.89	46	51.11	3	3.33	2	2.22		
6.	Carpeting avoids unwanted sounds such as chairs being moved or feet being shuffled.	9	10.00	57	63.33	20	22.22	3	3.33	1	1.11		
*7.	Chalkboards are not required for model classrooms.	2	2.22	3	3.33	40	44.44	25	27.77	20	22.22		
8.	Chalkboards are preferred over white magic marker boards by most of the teachers.	16	17.78	48	53.33	20	22.22	6	6.67	—	—		
9.	Four lighting zones in each model classroom are essential. i.e. (i) Back row, (ii) Centre seating area (iii) Front presentation area (iv) Lectern / side board light.	20	22.22	40	44.44	26	28.89	1	1.11	3	3.33		
10.	Ceiling fans provide user-friendly way for teachers to have some control of air circulation in the classroom.	16	17.77	40	44.44	31	34.44	12	13.33	1	1.11		
11.	Installation of telephone/ Net facility at front corner of each model classroom is preferred.	14	15.55	31	34.44	38	42.22	5	5.55	2	2.22		
12.	Acoustical ceiling treatment, carpeting, sound absorption panels on the back wall and sound absorbing fabric below chair help minimize unwanted noise in the model classroom.	12	13.33	33	36.66	33	36.66	10	11.11	2	2.22		

Table 2 cont....

S.No.	Opinion	Response Categories									
		Strongly Agree		Agree		Undecided		Disagree		Strongly Disagree	
		F	%	F	%	F	%	F	%	F	%
13.	Students prefer tablet (chair) arms (130 sq.inch) that provide room for note taking, calculators and exam materials.	39	43.33	29	26.66	22	24.44	3	3.33	1	1.11
14.	A chair and a 5' x 2' Teacher's table are desirable in model classroom.	11	12.22	48	53.33	32	35.55	10	11.11	---	---
15.	Placement of wall mounted watch at the center of rear/front wall of model classroom adds effective time management.	8	8.88	38	42.22	44	48.88	1	1.11	---	---
*16.	Audio - Visual control glass cabin accommodated at the North-West corner of the model classroom does not facilitate neither audio nor visual adjustments.	2	2.22	12	13.33	33	36.66	27	30	17	18.88
*17.	Computer facility is not required in a model classroom.	---	---	2	2.22	22	24.44	47	52.22	19	21.11
18.	One Over Head Projector, One Slide Projector, One Television and One LCD (Liquid Crystal Display) facility are required for effective projection in a model classroom.	49	54.44	23	25.55	12	13.33	6	6.66	---	---
19.	A 25 - feet deep room with 25 seats, needs 6 - foot wide screen for appropriate and effective screening.	14	15.55	57	63.33	16	17.77	3	3.33	---	---
*20.	Window and door coverings do not minimize the outside light.	---	---	1	1.11	27	30	19	21.11	43	47.77
*21.	Well ventilation is not required for a model classroom.	---	---	3	3.33	36	40	36	40	15	16.66
*22.	Pleasing and eye catching colours are not preferred for the walls of the model classroom.	---	---	1	1.11	17	18.88	45	50	27	30
*23.	Air conditioning and false roofing are not preferred in a model classroom.	---	---	7	7.77	33	36.66	31	34.44	19	21.11
24.	Placement of lectern at right side of teacher's table with collar mike & remote control facilitates effective teaching.	26	28.88	36	40	21	23.33	7	7.77	---	---
25.	Uninterrupted power supply creates effective teaching learning situation.	25	27.77	17	18.88	22	24.44	26	28.88	---	---

\* Indicates negative statement      Multiple response possible      F = Frequency, % = Percentage

the supplementary and complimentary effect of the same on teaching.

25. "Uninterrupted power supply creates effective teaching learning situation" received strongly agreed (27.77%) followed by agreed (18.88%), undecided (24.44%) and disagreed (28.88%) categories of response from the respondent students. This might be due to the requirement of power for modern Electronic Gadgets of Teaching.

The above findings were in line with the findings of Owu (1992) and also with the home page of the web [www.classrooms.com](http://www.classrooms.com).

## **CONCLUSION:**

### **Opinion of students towards model classroom**

Vast majority (60.00%) of the students had neutral opinion towards model classroom, 23.33 per cent had favourable opinion and 16.67 per cent had unfavourable opinion towards model classroom.

## **LITERATURE CITED**

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