



PERCEPTION & AWARENESS ABOUT FLIPPED CLASSROOM AMONG COLLEGE STUDENTS OF EITHER GENDER

Physiology

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ABSTRACT

This Cross-sectional study was conducted among College going students (35.9% Male & 64.1% Female). Their age group were between 18-30Yrs. Their knowledge about flipped classroom is 50%. Yes & 50% No. Awareness regarding Combination of peer awareness & problem based learning is 80.8%. Their feeling about flipped class room that they can learn at own time schedule is 82.1%

KEYWORDS

Flipped Classroom, college Students, Awareness

INTRODUCTION

The flipped Classroom has become increasing prevalent in higher education. Some new tools may emerge to support the Curriculum of the flipped classroom [1] with recent developments in active learning, pedagogical approaches & advances in instructional design & technology; some educators encourage the implementation of an active & innovative educational model called flipped learning [2]

Technology - driven models such as flipped classroom provides students with direct-access to different teaching resources. [3] The flipped classroom model is based on the idea that traditional teaching is invented in the sense that what is normally done in class is flipped or Switched with that which is normally done by the students out of class. [4]

The flipped instruction Concept facilitates Interaction among students. [5] The method wherein the students are engaged actively in their learning is the flipped Classroom [6]

MATERIALS AND METHOD

The Cross- Sectional study was conducted among College students of either gender. A self-reported questionnaire was given to those willing to participate in this study. The students were assured of confidentiality of data. The data were calculated accordingly.

RESULTS AND DISCUSSION

Table 1: Age of the participants.

Age	No. of participant's	Percentage (in %)
18-20	32	41%
21-25	15	20.5%
26-30	31	38.5%

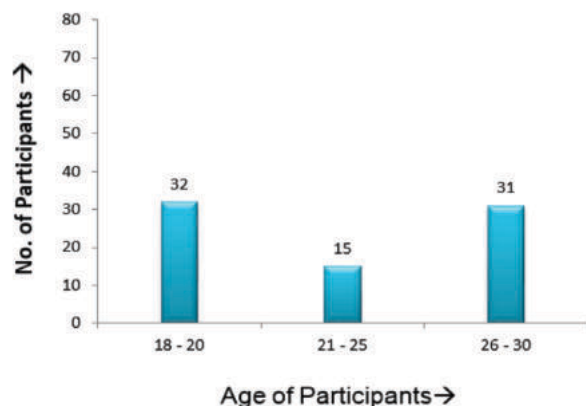


Table 2: Gender distribution of the participants.

Gender	No. of participants	Percentage (in%)
Male	28	35.9%
Female	50	64.1%

Gender

78 responses

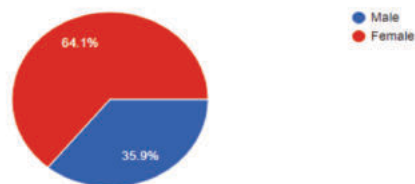


Table 3: Residence areas of participants.

Areas	No. of participants	Percentage (in%)
Urban	71	91%
Rural	7	9%

Reidence

78 responses

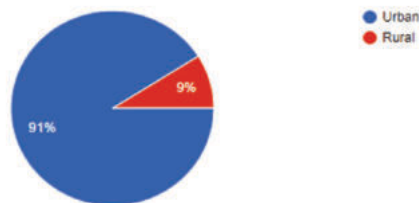


Table 4: Occupation of the participants.

Awareness level	No. of participants	Percentage (in%)
PG Student	12	14.1%
UG Student	37	48.7%
other	29	37.2%

Occupation

78 responses

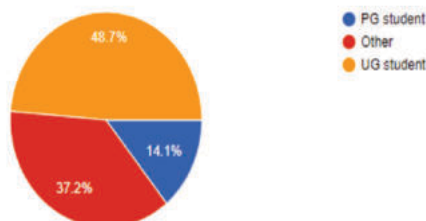
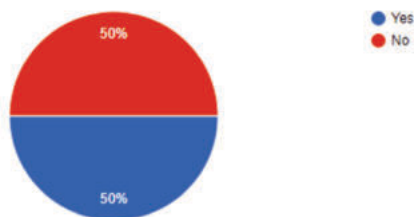


Table 5: Perception and awareness of flipped classroom among the participants.

Awareness level	No. of participants	Percentage (in %)
Yes	39	50%
No	39	50%

Do you know about flipped classroom

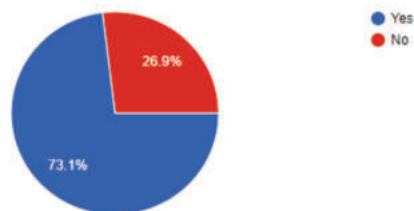
78 responses

**Table 6: Knowledge and awareness about active learn.**

Awareness level	No. of participants	Percentage (in %)
Yes	57	73.1%
No	21	26.9%

Do you know about active learn?

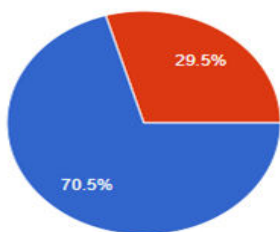
78 responses

**Table 7: If the participants awareness regarding active learning is not teacher centred.**

Awareness level	No. of participants	Percentage (in %)
Agree	54	70.5%
Disagree	24	29.5%

If yes then active learning is it not teacher centred

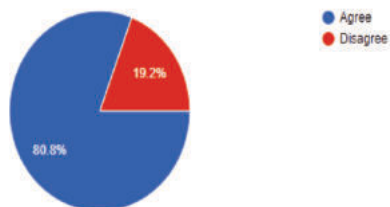
78 responses

**Table 8: Awareness regarding combination of peer awareness learning and problem based learning.**

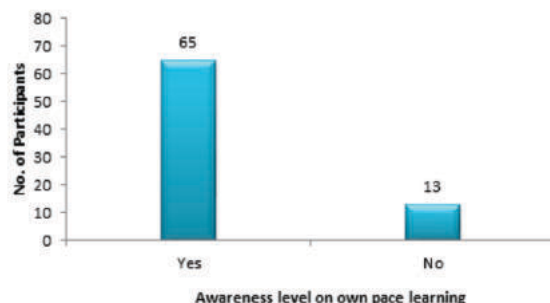
Awareness level	No. of participants	Percentage (in %)
Agree	62	80.8%
Disagree	16	19.2%

It is combination of peer-assisted learning and problem based learning

78 responses

**Table 9: Awareness related to feelings about flipped classroom can learn in his/her own pace.**

Awareness level	No. of participants	Percentage (in %)
Yes	65	84.6%
No	13	15.4%

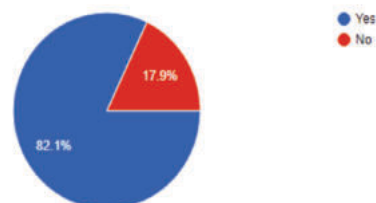
**Table 10: Awareness related to can learn at own time schedule.**

Awareness level	No. of participants	Percentage (in %)
Yes	63	82.1%
No	15	17.9%

Your feelings about Flipped Classroom

Can learn at own time schedule

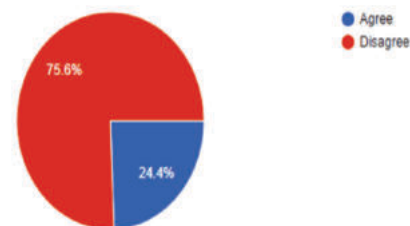
78 responses

**Table 11: Awareness regarding more difficulties to learn.**

Awareness level	No. of participants	Percentage (in %)
Agree	20	24.4%
Disagree	58	75.6%

More Difficult to Learn

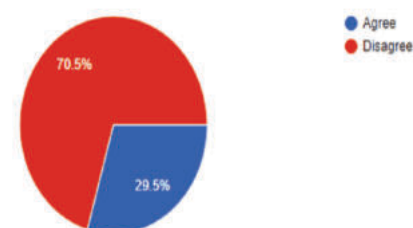
78 responses

**Table 12: Awareness regarding less motivated.**

Awareness level	No. of participants	Percentage (in %)
Agree	24	29.5%
Disagree	54	70.5%

Less motivated

78 responses

**Table 13: Awareness regarding learning is more interactive.**

Awareness level	No. of participants	Percentage (in %)
Yes	64	83.3%
No	14	16.7%

Learning is more interactive

78 responses

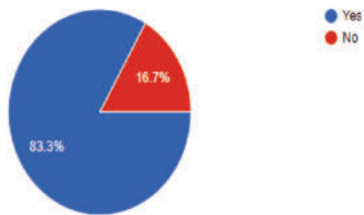


Table 14: Awareness regarding flipped learning instruction is constantly seeking for new ways to make their class time so that students are actively engaged.

Awareness level	No. of participants	Percentage (in %)
Agree	67	87.2%
Disagree	11	12.8%

Flipped learning instructions are constantly seeking for new ways to make their class time so that students are actively engaged

78 responses

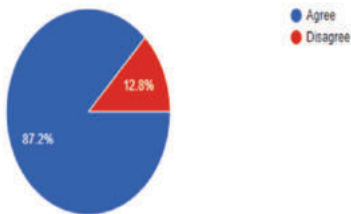


Table 15: Awareness regarding a flipped classroom provides enough exposure by sharing learning resources with students.

Awareness level	No. of participants	Percentage (in %)
Yes	68	88.5%
No	10	11.5%

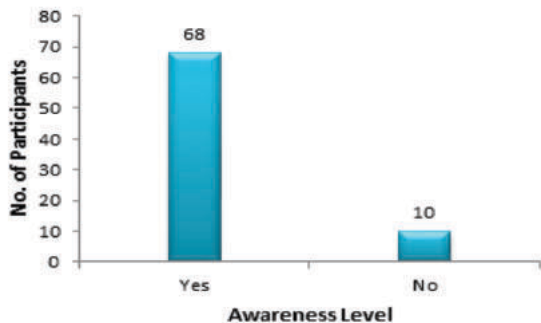


Table 16: Awareness regarding students have enough time and space on a flipped classroom.

Awareness level	No. of participants	Percentage (in %)
Agree	62	80.8%
Disagree	16	19.2%

Students have enough time and space on a flipped classroom

78 responses

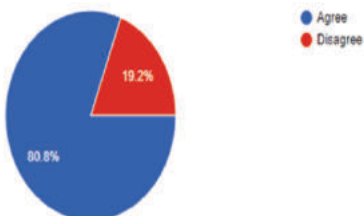


Table 17: Awareness regarding enough time in the classroom to exposure new concepts via cooperation and peer discussion.

Awareness level	No. of participants	Percentage (in %)
Yes	66	85.9%
No	12	14.1%



Table18: Awareness regarding: More flexibility for teachers in deciding how much time they want to spend on each topic with students.

Awareness level	No. of participants	Percentage (in %)
Agree	66	85.9%
Disagree	12	14.1%

More Flexibility for teachers in deciding how much time they want to spend on each topic with students

78 responses

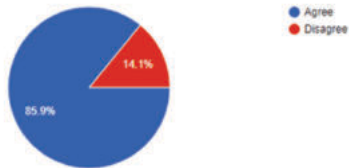


Table 19: Awareness regarding flipped classroom is a suitable learning approach.

Awareness level	No. of participants	Percentage (in %)
Yes	77	91%
No	07	09%

Flipped classroom is a suitable learning approach

78 responses

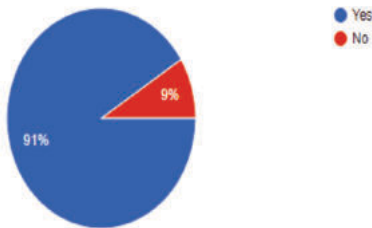


Table 20: Awareness regarding it explores various tools and techniques of educational technology in ensuring learning outcome.

Awareness level	No. of participants	Percentage (in %)
Agree	64	83.3%
Disagree	14	16.7%

It explore various tools & techniques of educational technology in ensuring learning outcomes

78 responses

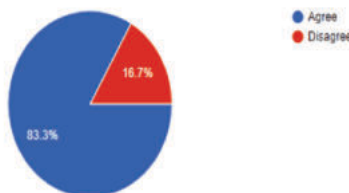
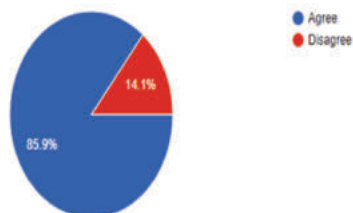


Table 21: Awareness regarding: it explores various tools and technique of technology in ensuring learning.

Awareness level	No. of participants	Percentage (in %)
Agree	66	85.9%
Disagree	12	14.1%

It explore various tools & techniques of educational technology in ensuring learning

78 responses



A total number of 78 students (Male 35.9%, Female 64.1 %) taken part in the study. Their age group between 18-30yrs (18-20 Yrs 41%, 21-25 20.5 % & 26-30 Yrs 38.5%). Perception & awareness 50%. Yes & 50%. NO. 70.5% of the respondents were aware about active learning. Regarding problem based- learning 80.8%. of students are aware about it. Xiaoli et al [7] explained that with this technological advancements & the explosion of innovative approaches to education there are many alternative approaches to the traditional didactic lecture including the flipped Classroom and problem-based learning. Flipped Classroom makes an active learning environment[8]. Participants (80.8%) agreed flipped classroom that combination of peer assisted learning & problem based learning. Flipped classroom method gives students plenty of time to prepare topics for the real class[9]. The flipped Classroom approach Cultivates active learning to improve the efficiency & authenticity of the teaching & learning process[10].

CONCLUSION

In recent times Flipped Classroom are playing vital role in teaching learning process. These class rooms throw a Challenge to traditional Classroom procedure. Flipped Classrooms provide great scope for learners to enrich themselves with many skills.

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