Best Practice-2019-2020

Title of the Practice:

SMALL GROUP LEARNING

OJECTIVE:

- Small-group learning helps draw people out who normally would not participate in front of the whole class. It also promotes self-esteem as compared to competitive or individualistic learning
- Compared to competitive and individualistic learning, students are better at solving problems and develop a deeper understanding of the material when working in groups.

THE CONTEXT:

Small-group learning is different from working in teams, which typically involves longer periods of time, consistency of group membership, and more interdependence in completing the task.

Students work together in groups of typically 3-6 members, helping each other think critically, master course concepts, and apply them to real-world situations. Students are motivated toward a common goal and work together to support each other's learning.

The discussion of the students have in small groups can be more powerful than discussion as a whole group. Small groups are the perfect time to use math manipulative in a more controlled environment.

THE PRACTICE:

The Department of Mathematics conducted the "Small group learning" activity class on 29.02.2020 to First year M.P.C, M.P.Cs and M.C.Cs students. All the students in the class (Slow learners, Moderate and fast learners) together divided into 11 groups each group consisting one fast learner and one slow learners and others are in moderate learners. The lecturers given the task on fundamental concepts in Plane and Sphere units. The learning concepts in Plane are *equation of the plane, angle between two planes and distance between two parallel planes.* The learning concepts in Sphere are *find the centre and radius of the Sphere, two spheres touches internally or externally and Limiting points.* All the 11 group members are discussed about the concepts in group all the members in the group were acquire the full knowledge on the above concepts and ready for given answers. The slow learners are also got the knowledge with help of other students in the group members and learn the concepts by work together.

EVIDENCE OF SUCCESSES:

Slow learners understood the concepts in Solid Geometry Paper Concepts of Plane and Sphere after the small group learning activity with work together in group.

Students are better at solving problems and develop the basic knowledge on the concepts with work together in group by the small group activity.

PROBLEMS ENCOUNTERED:

- ✓ Time slot
- ✓ Time taking

RESOURCE REQUIRED TO:

- ✓ Class Rooms
- ✓ Teaching material

List of the students in Small Groups

Group-1

1.) G Rupendra, IMPC fast Learner
2.) P Lakshminarayana, IMPCs
3.) S Rajesh, IMPCs
4.) K shalem Raju, IMPCs slow learner

Group -2

1) T O S Sarveswara Rao, IMPCs fast Learner
2) P Siva Krishna, IMPC
3) D Srinu, IMPC
4) M Naveen Kumar, IMCCs slow learner

Group -3

1) K Manikanta, I MCCs fast Learner
2) B Jagadish, I MCCs
3) P Syamnarasimha, I MPCs
4) G Dinesh Babu I MPCs

Group-4

1) T Jahnavi, IMPC fast Learner
2) G Bhavani, IMPC
3) J Madhuri, IMPCs

Group-5

1) V Shanmuka Sai IMPCs fast Learner
2) K Issac IMPCs
3) V Vamsi Krishna IMPCs
4) B Kiran Kumar IMPCs

Group-6

1) Y L Mukesh IMPCs fast Learner
2) V K Ganesh IMPCs
3) P Lakibabu IMPC
4) T Basava Mahendra IMPC

Group-7

1)	V Amala Kumari	IMPCs	fast Learner
2)	M Vijaya Jyothi	IMPC	
3)	K Yamini	IMPC	
4)	Y Saimutyalu	IMPC	

Group-8

1)	N Lavanya	IMPC	fast Learner
2)	V Srivallika	IMPC	
3)	B Madhavi	IMPC	
4)	M Bhavani	IMPC	

Group-9

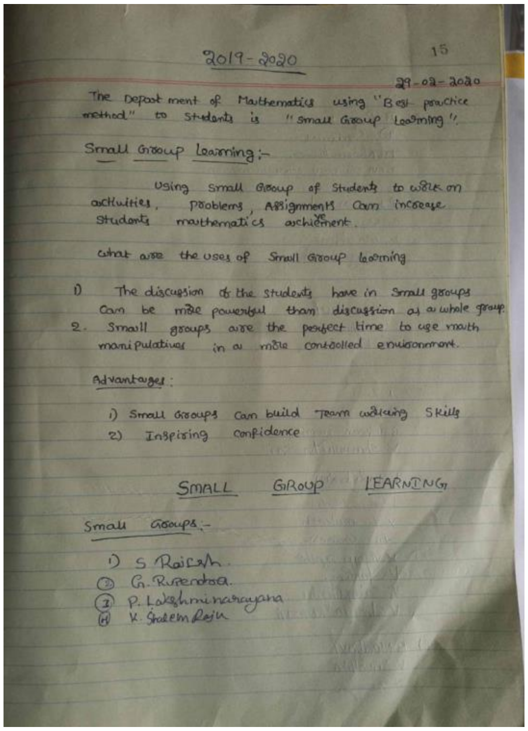
1)	Ch Deepthi	IMPC	fast Learner
2)	Y Venkata Lakshmi	IMPC	
3)	K Sai Lakshmi	IMPC	
4)	B Padma	IMPCs	

Group-10

1)	K Bhrgavi	IMPCs	fast Learner
2)	N Nomeswari	IMPC	
3)	R L Sirisha	IMPC	
4)	Ch Radha	IMPC	

Group-11

1)	D Muddu Siva	IMPCs	fast Learner
2)	Ch Ashok Kumar	IMPCs	
3)	G Suresh Kumar	IMPCs	
4)	K Chandu	IMPCs	



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The Department of Mathematics using "Best practice method" to Students is "Small Group Learning".

Small Group Learning:-

Using small Group of Students to work on activities, problems, Assignments Can increase Students mathematics achievement.

what are the uses of Small Group learning

1) The discussion of the students have in Small groups Can be more powerful than discussion as a whole group.
2. Small groups are the perfect time to use math manipulatives in a more controlled environment.

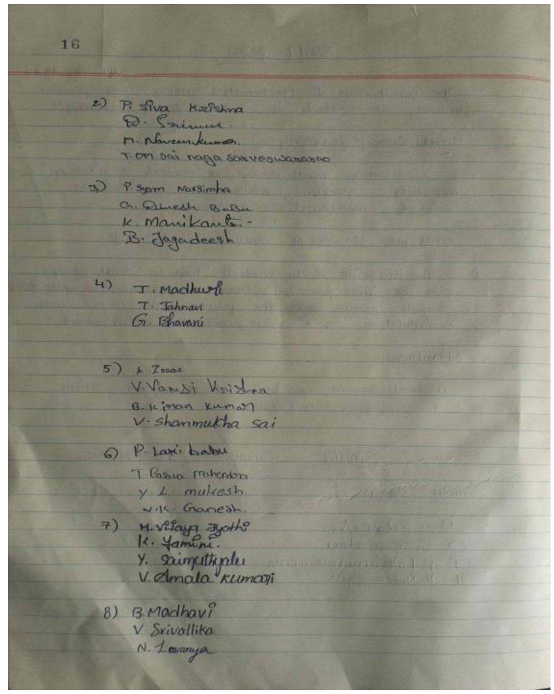
Advantages:

1) Small Groups Can build Team working Skills
2) Inspiring confidence

SMALL GROUP LEARNING

Small Groups:-

1) S. Rajesh.
(2) G. Rupendra.
(3) P. Lakshminarayana
(4) K. Shalem Raju



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2) P. Siva Krishna
D. Sriram.
M. Naveen kumar.
T. om sai naga sarveswararao

3) P. Syam Narsimha
Ch. Dinesh Babu
K. Manikanta.
B. Jagadeesh

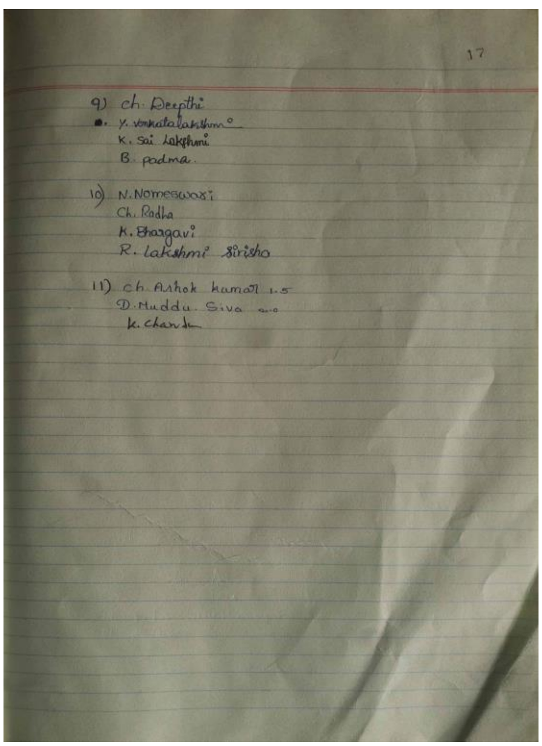
4) J. Madhuri
T. Jahnavi
G. Bhavani

5) K. Issac
V. Vamsi Krishna
B. Kiran kumar
V. shanmukha sai

6) P. Lovi babu
T. Basava mahendra
Y. L. mukesh
V. K. Ganesh.

7) M. Vijaya Jyothi
K. Yamini.
Y. Saimuthyalu
V. Amala kumari

8) B. Madhavi
V. Srivallika
N. Lavanya



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9) ch. Deepthi
Y. venkatalakshmi
K. Sai Lakshmi
B. padma.

10) N. Nomeswari
Ch. Radha
K. Bhargavi
R. lakshmi Sirisha

11) ch. Ashok kumar 1.5
D. Muddu. Siva 2.0
K. chandu