

DEPARTMENT OF IT:: VRSEC

A.Y. 2021-22



Group Excercises

Standard Operating Procedure (SOP)

Introduction:

Students are needed to be empowered to explore subjectin conducting group activities which enhances to improve and utilize teamwork and communication with reduced stress. All students can learn from each other at this point by presenting results. Teacher gives the topic and puts the topic in discussion forums of students to discuss and summarize. Students then split into small groups. In this way, students can be given support through this activity to achieve higher grades, learn at a deeper level, retain information longer, acquire greater communication and teamwork skills, and gain a better understanding of the environment in which they can be able to work as professionals.

ACTIVE LEARNING

Name of the Faculty: Dr.S.Suhasini	Designation : Associate Professor	Subject: Database Management Systems				
Year/ Semester: II/II	Section: II-A	Topic: Database design				
Name of the activity: Group Activity	Date: 22-06-2022	No. of students attended:68				

Objective of the activity:

- Eliminate redundant data
- Make access to data easier for user
- Store the organization's data.
- Present that data in ways that are useful to the organization.

Execution Plan:

Time management: Class time: 50mins

- Forming student groups (8-10 students) in 4 categories : 5 mins
 - Group1 : Outline the Conceptual model
 - Group 2 : Design ER diagram
 - Group 3 : Outline the steps of normalization
 - Group 4 : Apply 1NF,2NF,3NF and BCNF
- Demonstrations by each group (1,2,3,4): 40mins
- Course coordinator summary: 5mins
- Class of sixty students is best suited for the activity. All students in every group should be able to demonstrate the topic in any dimension.

Expected Outcomes:

The students can be able to

- Analyze the conceptual model to design ER diagram.
- Understand the three levels of database system architecture with their mappings.
- Understand process and need of normalization
- Summarize normal forms and its applicability

Assessment of the effectiveness of the activity

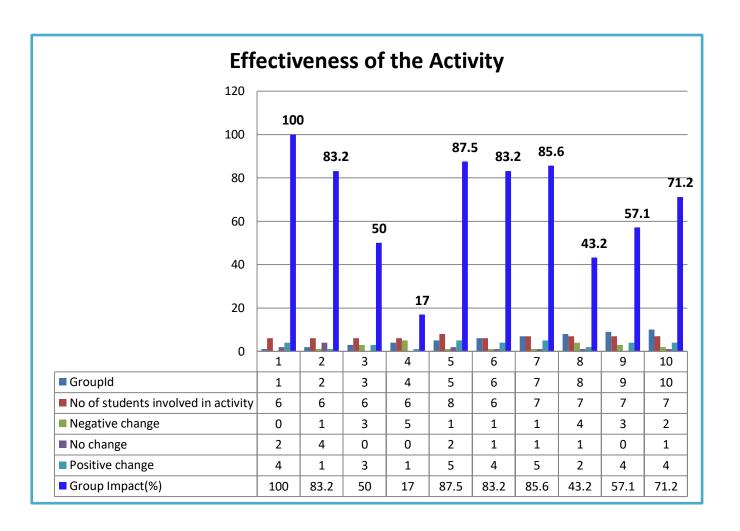
Group Id	Number of students	Student RollNo	Assessment before activity (Taken Ass2)	Assessment after activity (Taken Sess2)	Group Score Before (Max:1 0)	Group Score After (Max:1 0)	Impact (Place a tick and state the % impact)			he % of	
				** 12 converted to 10**			Negative	No	Improve	%	Group %
1	06	208W1A1204	7	7	8.6	9.1		√		I:	05% Improvem
		208W1A1205	9	10					✓	100%	ent after activity
		208W1A1207	9.5	10					√		
		208W1A1208	8W1A1208 9.5 9.5				✓				
		208W1A1209 8.5 9.5					√	-	i		
		208W1A1210	8.5	9					✓		
							00	02	04		
2	06	208W1A1211	8	9.5	9.2	9.33			√	I: 83.2% NC:16.6 %	1.3% Improve ment after activity
		208W1A1215	10	9			√				
		208W1A1216	9.5	9.5				✓			
		208W1A1218	9.5	9.5				✓			
		208W1A1219	9.5	9.5				✓			
		208W1A1221	9	9				>			
							01	04	01		
3	06	208W1A1229	7.5	10	8.75	9.25	│	√	I : 50% NC :	05% Improve	
		208W1A1232	8	10	-				√	50%	ment after activity
		208W1A1235	7.5	8					✓		
		208W1A1236	10	9.5			>				
		208W1A1237	10	9			>				
		208W1A1238	9.5	9			✓				

							03	00	03		
4	06	208W1A1240	9	7.5	9.5	8.6	✓			I: 16.6%	No improvem
		208W1A1244	8.5	9					✓	NC:	ent
		208W1A1245	10	8.5			✓			83.3%	
		208W1A1250	9.5	8.5			✓				
		208W1A1251	10	9.5			✓				
		208W1A1254	10	9			✓				
							05	00	01		
5	08	208W1A1255	9.5	9.5	8.75	9.62		✓		I: 87.5%	09% Improvem
		208W1A1256	8.5	9.5					√	NC:12.	ent after activity
		208W1A1259	10	10				~		- 370	
		208W1A1262	9.5	10					✓		
		208W1A1263	9	8			✓				
		218W5A1203	7.5	10					√		
		218W5A1205	7.5	10					✓		
		218W5A1206	8.5	10					✓		
Boys							01	02	05		I
6	06	208W1A1201	7	8.5	7	8			√	I: 83.2% NC: 16.6%	10% Improvem ent after activity
		208W1A1203	5.5	4			✓				
		208W1A1206	7	8					✓	10.0%	
		208W1A1212	6	9.5					✓		
		208W1A1213	8	9.5					✓		
		218W5A1202	9	9				✓			
							01	01	04		
7	07	208W1A1214	7.5	7	6.9	8.1	√ V	01	04	I	12% Improvem
		208W1A1217	9	9.5					✓	:85.6% NC :	ent after activity
		208W1A1220	6.5	9.5					✓	14.2%	
		208W1A1222	6.5	8					✓	_	
		208W1A1223	7	9					✓		
		208W1A1224	7	7				✓			
		208W1A1265	5	7					✓		

							01	01	05		
8	07	208W1A1225	10	9.5	8	8.1	✓			I: 43.2%	01% Improvem
		208W1A1226	8	9					✓		ent after activity
		208W1A1227	8.5	8			✓			,0	
		208W1A1228	9	8			✓				
		208W1A1230	6.5	7.5					✓		
		208W1A1231	8	7.5			✓				
		208W1A1264	7	7				✓			
							04	01	02		
9	07	208W1A1233	7	8	8.1	8.3			✓	I: 57.1% NC: 43%	02% Improvem ent after activity
		208W1A1234	8	8.5					~		
		208W1A1239	9.5	7.5			✓				
		208W1A1241	8	9					✓		
		208W1A1242	6	9					✓		
		208W1A1243	8.5	8			✓				
		208W1A1261	10	8			✓				
							03	00	04		•
10	07	208W1A1246	9.5	9	8.3	8.57	✓			I: 71.2%	03% Improvem
		208W1A1248	9	9				~		NC: 28.5%	ent after activity
		208W1A1249	7.5	9					✓		
		208W1A1252	8.5	6			✓				
		208W1A1253	8	8.5					√		
		208W1A1258	8	8.5					√		
		208W1A1260	8	10					√		
							02	01	04		

Group Id	No of students involved in activity	No of students with Negative change	No of students without change	No of students with Improvement	Group Score Before Activity	Group Score After Activity	Group Impact (%)
1	06	00	02	04	8.6	9.1	100

		01			9.2	9.33	
2	06		04	01			83.2
		03			8.75	9.25	
3	06		00	03			50
					9.5	8.6	
4	06	05	00	01			17
					8.75	9.62	
5	08	01	02	05			87.5
					7	8	
6	06	01	01	04			83.2
					6.9	8.1	
7	07	01	01	05			85.6
					8	8.1	
8	07	04	01	02			43.2
					8.1	8.3	
9	07	03	00	04			57.1
					8.3	8.5	
10	07	02	01	04			71.2



Supporting Evidences of the Activity:





