



Department of Information Technology

Academic Year – 2024-25	Class: BE
Semester – I	Date : 16/10/2024
CO : 1,2,3,4,5,6	PO: 1,2,3,5,9,10,12

Innovative Teaching Methods

Title of Innovation method/activity: Think Pair Share

1. Name of Faculty: Dr.V.R.Sonawane

2. Subject: Mobile Computing

3. Objective of Method:

- Enhance collaborative learning among students.
- Enhances students' oral communication skills
- Helps students become active participants in learning and writing as a way of organizing thoughts generated from discussions.

4. Topic Covered through Think Pair-share Activity:

Sr. No.	Topics
1.	Evolution of Mobile Computing
2.	Mobile Network Architecture
3.	Wireless Transmission Techniques
4.	Mobile IP and Its Role in Mobility Management
5.	Handoff Strategies in Mobile Networks
6.	TCP Over Wireless Networks
7.	Power Management in Mobile Devices
8.	Security Challenges in Mobile Computing
9.	Mobile Application Development Frameworks
10.	Cloud Computing in Mobile Environments
11.	Role of AI and ML in Mobile Computing
12.	Internet of Things (IoT) and Mobile Computing
13.	5G Technology and Its Impact on Mobile Computing
14.	Edge and Fog Computing in Mobile Networks
15.	Future Trends in Mobile Computing

5. Description of method with Benefits :

In this method problem or question related to the subject are given to the group of students. Sufficient time is given to the students to think and gather their thoughts. After this they exchange their thoughts with each other and prepare summary report. Finally they share their solution in front of class members.

- **The method Impact:**

TPS activity helps students to enhance communication skills, interpersonal skills, self-learning, analytical skills.

Roles and Responsibilities

- **Teacher**

- Prepare the group of 4-5 students.
- Assigned the topics to each group.
- Define rubrics for the assessment of the activity
- Assess the reports.

- **Student**

- Go through the provided topic.
- Make discussion on assigned topic among group members.
- Prepare the summary report.
- Share their ideas in front of class students.

6. Assessment Tools & Rubrics:

Rubrics for Assessment TPS:

Sr. No	Name of Method	Evaluation Criteria	Max. Score	Excellent (100%)	Satisfactory (60%)	Poor (20%)
1.	Think Pair Share (TPS)	Understanding	10	<ul style="list-style-type: none"> • Quality knowledge sharing • Confidence • Quality Summary Report 	<ul style="list-style-type: none"> • Adequate knowledge sharing • Confidence • Quality Summary Report 	<ul style="list-style-type: none"> • Inadequate knowledge sharing • Confidence • Quality Summary Report
		Team work	10	<ul style="list-style-type: none"> • Team work skill • Active Participation • On time completion 	<ul style="list-style-type: none"> • Team work skill • Active Participation • On time completion 	<ul style="list-style-type: none"> • Team work skill • Active Participation • On time completion
		Question-Answer	5	<ul style="list-style-type: none"> • Appropriate Answers to Questions. 	<ul style="list-style-type: none"> • Answers questions, but often with little insight. 	<ul style="list-style-type: none"> • Inappropriate Answer

7. Evaluation Sheet

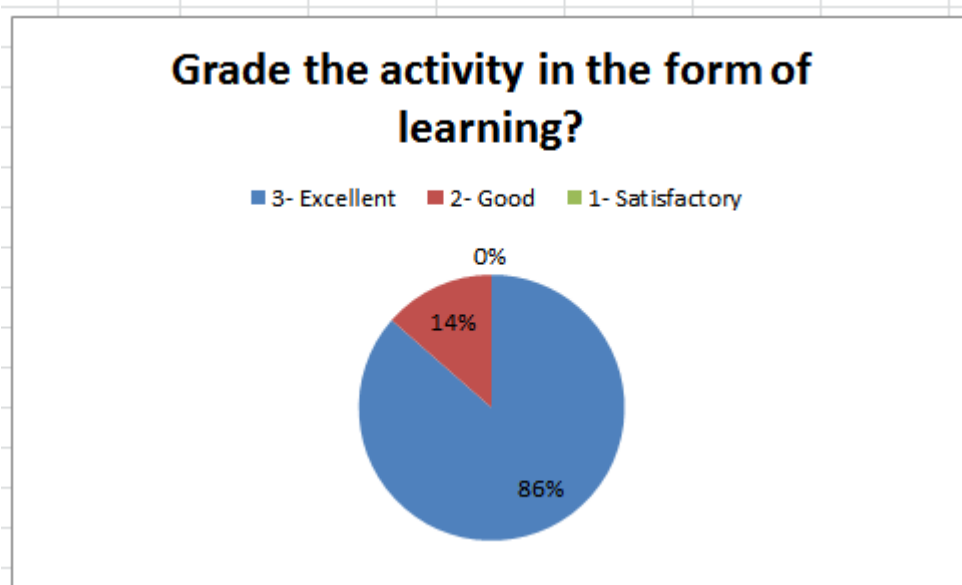
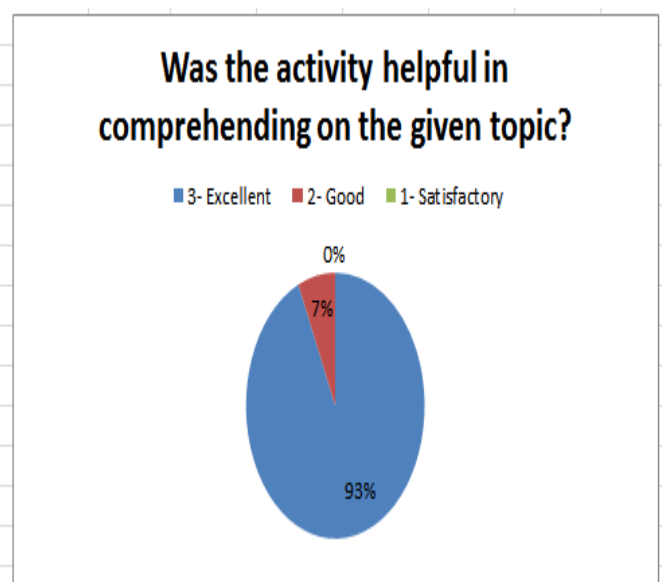
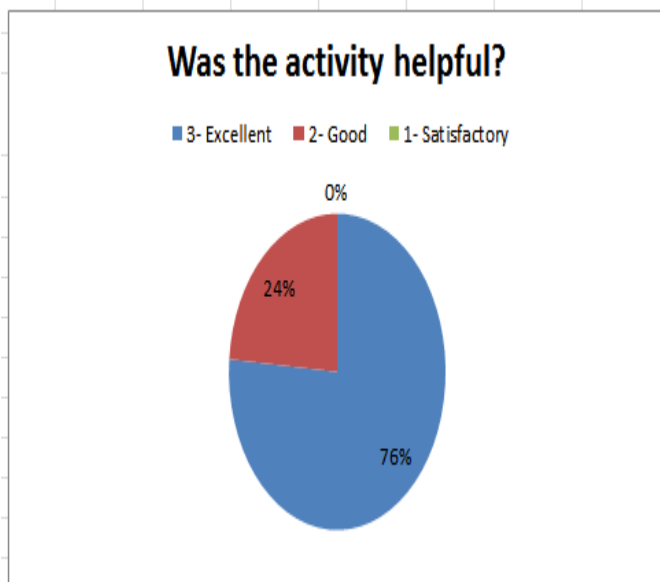
SN	Name of Student	Understanding (10)	Team work (10)	Question-Answer (5)	Total (25)
1.	Ahire Harshali Sanjay	9	9	5	23
2.	Ahire Pratiksha Sandip	9	8	5	22
3.	Bankar Aditya Madhav	6	7	5	18
4.	Bhalerao Deepak Dadasaheb	8	8	5	21
5.	Bhalerao Gayatri Narendra	5	5	4	14
6.	Bhambare Janhavi Rajesh	8	8	5	21
7.	Borade Pratik Sharad				
8.	Bramhankar Samiksha D	9	8	5	22
9.	Dandge Tejasvini Vijay	9	9	5	23
10.	Deore Devendra Kakaji	8	7	5	20
11.	Deore Yash Sharad	5	5	4	14
12.	Dusing Darshana S	8	7	3	18
13.	Fate Gaurav Jayant	8	6	3	17
14.	Gavit Jayesh Gangaram	8	7	5	20
15.	Ghorpade Rashmi Sham	9	9	5	23
16.	Gosavi Prathamesh Pramod	9	9	5	23
17.	Gunjal Rutuja Namdeo	9	8	5	22
18.	Nichit Harshwardhan S	9	9	3	21
19.	Ingole Prasad Ramesh				
20.	Jadhav Purva Randhir	8	6	3	17
21.	Kapadnis Om Vijay	5	5	4	14
22.	Katale Aditi Ramesh	8	7	2	17
23.	Kekan Vidya Dattu	9	8	5	22
24.	Khaire Shantanu Madhav	8	7	2	17
25.	Khairnar Prathamesh O	5	5	4	14
26.	Khatale Shital Dilip	8	8	4	20
27.	Koshti Harsh Ulhas	9	8	5	22
28.	Kshirsagar Aniket Sunil	8	7	4	19
29.	Kshirsagar Pooja Sunil	9	8	3	20
30.	Kushare Rushikesh R	8	9	3	20
31.	Mahajan Divya Bhagwat	9	8	3	20
32.	Mahajan Manasi Rahul	9	8	3	20
33.	Mahajan Tanmay Y	8	6	4	18
34.	Mahale Sanjana Mangesh				
35.	Marathe Sayali Arvind	7	7	4	18

36.	Mogal Snehal Mahesh	6	6	4	16
37.	Nikam Mansi Nitin	7	6	4	17
38.	Nikam Nikhil Samadhan	5	5	4	14
39.	Padmane Payal Bhagwat	9	8	3	20
40.	Pagar Roshan Nandkishor				
41.	Palde Dhanashri Rajesh	8	6	3	17
42.	Pardeshi Sneha Shankar	9	9	5	23
43.	Patil Om Ashok	7	7	3	17
44.	Patil Piyush Yogesh	9	8	3	20
45.	Patil Sanika Ganesh	9	8	3	20
46.	Patil Tanmay Pramod	8	8	2	18
47.	Patil Yash Sachin	8	8	2	18
48.	Patil Yogeshwar Jitendra				
49.	Pawar Utkarsh Sanjay				
50.	Rasal Tejashree Sanjay	8	6	3	17
51.	Rayate Aditya Keshav	4	4	3	11
52.	Dahatonde Rohit Namdev				
53.	Mulherkar Samruddhi D	7	7	3	17
54.	Sarolkar Vedant Hemant	7	6	3	16
55.	Savant Omkar Vitthal				
56.	Sawant Dikshant Bharat	7	6	4	17
57.	Shewale Divya Vishwanath	4	4	4	12
58.	Shewale Kunal Popatrao	4	4	4	12
59.	Shinde Kaveri Vinod	8	6	3	17
60.	Shinde Yashashri Sanjay	7	6	3	16
61.	Sonawane Nikita Sunil				
62.	Surwade Gayatri Dilip	7	6	3	16
63.	Suryawanshi Varad P	8	8	2	18
64.	Tare Tanay Rajendra	8	8	2	18
65.	Tathe Avishkar Arjun	5	5	4	14
66.	Urade Manisha Bhagwan	8	9	2	19
67.	Chavan Vaidehi Rajesh	8	8	2	18
68.	Vharkate Nikita Ashroba	8	8	2	18

SN	Result Analysis	
1	Total Student Present Student	68
2	Number of Student Scoring above 60%	54
3	Percentage of student Scoring above 60%	79.4%

8. Impact Analysis

SN	3- Excellent	2- Good	1- Satisfactory
Was the activity helpful?	44	15	00
Was the activity helpful in comprehending on the given topic?	54	05	00
Grade the activity in the form of learning?	50	09	00



9. For review and critique contact: e-mail address of faculty and HOD

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Dr.V.R.Sonawane

Subject In charge

Ms.J.R.Suryawanshi

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HoD