Department of Engineering Science

Academic Year – 2020-21	Class: FE-A
Semester – II	Date : 5 June 2021
CO: CO1	PO: PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with the society. PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Innovative Teaching Methods

Title of Innovation method/activity: Innovative Teaching Learning Method for Programming and Problem Solving Think Pair and Share

Name of Faculty: Ms. S. V. Pawar

1. Subject: Programming and Problem Solving

2. Objective of Method: As per the task ahead -

   I. Helps Student to Clear the concepts

   II. Improve Self Learning

   III. How to work in team

3. **Topic Covered through Activity**:

   Recent Technology

4. Description of method with Benefits :

From the given task, students think on the various technologies or any real world problem , along with their 2-4 group members. Then think about what can be solution for the problem. Prepare the presentation or report based on the topic. Student first search about the technology then put the content in proper sequence and prepare the presentation or report . So that they can able to learn about the new technology.

The method:

1. First choose the topic.
2. Every member should think about the technology, then search the relevant information.
3. Prepare the presentation or report in the proper sequence.
4. Upload the PPT / report on Google classroom

Roles and Responsibilities

- **Teacher**
    - Guide students for the topic selection.
    - Prepare assessment methodology.
- **Student**
    - Form the group
    - Once topic is decided, understand and discuss individually within the group.
    - Actively participate in group and contribute to prepare the presentation.

- **Group**
  - Form the group of members as per the guidelines by teachers.
  - Understand and discuss to finalize the best solution for the assigned task.
  - Assign the work within the group to achieve the task within stipulated time period.

6. Assessment Tools &Rubrics:

Sr. No.	Portfolio	Marks
1	Topic Selection	3
2	Topic Understanding	5
3	PPT/ Report preparation	2

7. Evaluation Sheet

Group No.	Name of Student	Title	Topic Selection	Topic Understanding	Presentation Prepration	Total
			A	B	C	
1	EKTA BHAVSAR	RECYCLING OF PANDEMIC WASTE	3	4	2	9
	SHRAVANI AHER					
2	Manasi Vinod Ahire	WAKING UP LATE IN THE MORNING	3	4	2	9
	Arpita Sandip Aher					
	VINAY BORAVE	Challenges in Agiculture Field	3	3	2	8
	MANOJ BANGER					
	RITESH DEORE					
3	Avantika Beneke	LUDO Game	2	3	2	7
	Borase Riddhi					
4	Abin Biju	CYBER CRIME	3	5	2	10
	Sudhanshu Deshmukh					
	Suraj Wankhede					
5	Prathmesh Danej	Cyber Attacks	3	5	2	10
	Dash Rohan					
6	Deore Pratik	DEFORESTATION	3	5	2	10
	Madhuri Dhanwate					
	Rupali Avhad					
	Arjun Deore					
7	Deshmukh Vaibhav Keshav	AIR Polution	3	4	2	9
	Sohan Rajkule					
8	Chavan Divya	Money Problem	0	0	0	0
	Ahhirao Harshali					
9	Duseja Siddhi	Addiction to Social Media	3	4	2	9
	Chavan Sakshi					
	Shruti Golesar					
	Jadhav Sakshi					

8. Impact Analysis

Question	3- High/Excellent	2 - Moderate /Average	1- Slight/Poor
Did you understand and cover the objective of the activity?	70%	30%	0
Are the contents covered relevant to the syllabus?	65%	35%	0
Do you feel PO10 is achieved?	80%	0	20%
Do you feel PO12 is achieved?	70%	0	30%

Ms. S. V. Pawar
Subject In charge

Ms. J. J. Nerkar
HoD