

RAMCO INSTITUTE OF TECHNOLOGY

Rajapalayam

Department of Computer Science and Engineering

Academic Year: 2020 - 2021 (Even Semester)

Degree, Semester & Branch: IV Semester B.E. Computer Science and Engineering

Course Code & Title: CS8494 & Sofware Engineering

Name of the Faculty member: Dr.I.Gethzi Ahila Poornima, AP/CSE

Date & Venue: 10.04.2021 & Online Mode

Innovative Practice: Minute Paper

Topic: Object-Oriented Design Concept

Type of Learning:

Active Learning

Learning Objectives:

O1: To make the students to remember the Object Oriented Paradigm.

Description:

Minute paper is a short writing activity within the classroom in which students generate answers in response to questions asked by the teacher regarding the concepts taught in class or previously studied concepts which would be useful to concept which they are going to be taught in the class. These questions stimulate a student to reflect on the lesson taught and learned and provides feedback regarding their understanding which helps the teachers to plan ahead for the next class. Its major advantage is that it provides rapid feedback on whether the instructor's main idea and what the students perceived as the main idea are the same.

Uses of Minute Paper:

- This activity provides a conceptual bridge between successive class periods.
- Improve the quality of class discussion by having students write briefly about a concept or issue before they begin discussing it.

Justification for chosen the topic:

Object oriented concept is basic and an important topic which needs to learn object oriented design in software engineering. Since the OO paradigm is widely used in the modern software engineering process, it is important for the students to be clear in OO paradigm. This activity makes the students to get a comprehensive knowledge in this Object oriented concepts.

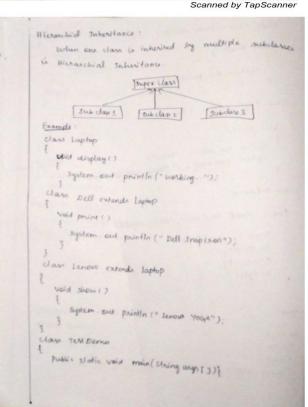
Implementation of Minute Paper:

At the end of the class, students were asked to write about the topic discussed in the class. The students expressed the understood content and the content which were not clear in that particular topic. The students also write about the specific topic which is needed to be discussed or clarified in the further classes. This activity shows whether the students can able to understand the specific topic and their involvement the particular class.

```
B. Dhasini
                                                   953619104009
                  Software Engineering
Inheritances
    one class acquires the properties in methods
  and fields of another class. The class which inherits
 the property is known as subclass. The class
  whose proporties are inherited is called super class
Types es Inheritance.
        * single inheritance
         x multi-level inheritance
         * Hierarcial inheritance
  single inheritance
      when a single child class extends the proporties
    of parent clan,
                    | super class | Penterols | | |
    Example
  class shapes
     void draw ()
       system. out println ("Draw shapes");
```

```
class circle extends shape
    void drawcirde() }
        System out println (" Draw Circle");
  Public Static void main (string args[])
      Circle C = new Circle ();
C. draw();
C. draw Circle();
 output:
    Draw shapes
Draw circle
Multilard inheritance
   when classes extend the properties of each other
level by level is multilevel inheritance
                     [watch ]
                      Titan
                       TRAGA ]
 Example
  class watch
    void display ()
    t system out pointly ("WATCH");
```

```
Class Titan extends watch
   void property ()
      system out println ("TITAN");
class Raga extends Titan
     system out println ("RAGA");
      System. out. println (" clarric Collection");
class Test Demo
  Public statit Void main (String args[])
      Raga 5 = now Raga (),
      n. display ();
      n. propety();
      n. type();
output
  WATCH
   TITAN
   RAGA
   claric collection
```



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Outcomes:

- Use of minute papers in the classroom increases attentiveness in the class and also improves the student's skill of writing and critical analysis of the topics.
- This activity reflects the understanding and involvement of the students in the particular topic.

Relevance to POs

Objective	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Outcome	2	2	3	1								

Reflective Report:

Identified Problems

• Few students hesitated to present the concepts doubting about their correctness in that concept.

Initiatives to address the problems

 Make the students to know the importance of sharing their views and activeness in the class room.

Post-implementation

- Students actively participated in this activity.
- From this activity, the understanding levels of the students were identified and the concept was then explained in detail in the class.

Faculty In-charge HOD-CSE

Dr. I.Gethzi Ahila Poornima, AP/CSE Dr.K.Vijayalakshmi