

**Innovative Teaching Practice**

**Course Information**

<b>Faculty Name</b>	: Mrs.B.Aruna Kumari,Mr.T.V.Vamsi krishna
<b>Course Name</b>	: OOPS Through C++
<b>Class</b>	: II B.Tech I Semester
<b>Academic Year</b>	: 2023-24
<b>Activity Name</b>	: One Minute Summary
<b>Topic</b>	: Constructors in C++

**Objective of the Activity:**

The objective of the One Minute Paper activity on constructors in C++ is to allow students a brief moment to reflect on and summarize their understanding of constructors and their types.

**Pre-Class Preparation:**

Students are required to:

- Review the textbook or assigned materials on constructors in C++, focusing on:
  - The concept of constructors and their role in object initialization.
  - The differences between default constructors, parameterized constructors, and copy constructors.
- Prepare questions about anything they don't understand regarding constructors, particularly about the use of different types of constructors in various object initialization scenarios, and best practices for implementing constructors in C++.

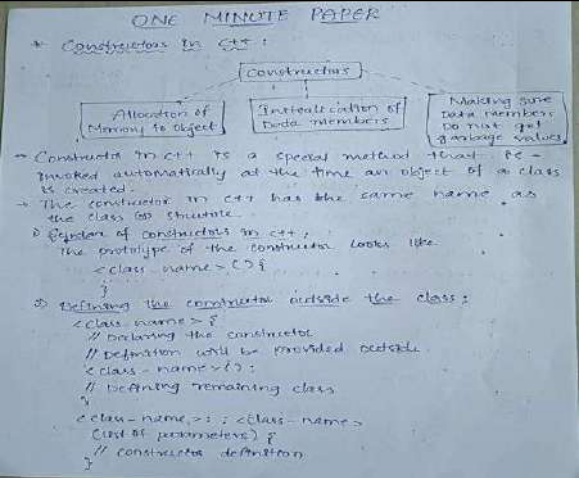
**In-Class One Minute Paper:**

**Instructions:**

At the end of the lecture on constructors in C++, students have one minute to write a short paper answering these questions:

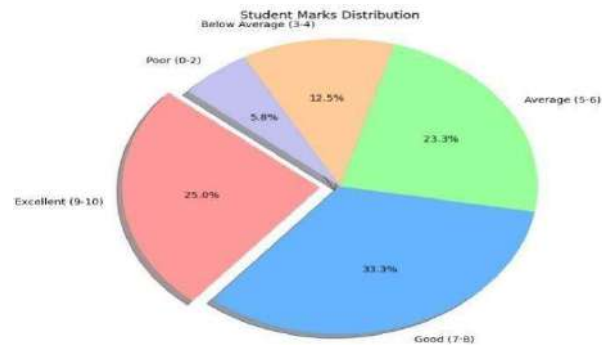
1. What is a constructor in your own words?
2. Why are default constructors, parameterized constructors, and copy constructors important in C++?
3. What is one challenge with using constructors in C++, and how can it be addressed?

## Images / Screenshot of the practice

One Minute Paper	Screenshot of the practice
<p>On the topic</p> <p>Constructors</p> <p>Implementation by</p> <p>22NN1A1227</p>	

### Assessment analysis:

Marks range	Number of students	Percentage
9-10	30	25.00%
7-8	40	33.33%
5-6	28	23.33%
3-4	15	12.50%
0-2	7	5.83%
Total	107	100%



### Benefits of the Practice:

- **Encourages Reflection:** Students critically analyze and summarize their understanding of **constructors** in C++ in a concise manner, helping them clarify the role of constructors in object-oriented programming.
- **Provides Immediate Feedback:** The quick nature of the activity enables the instructor to assess student comprehension of constructors in real-time and identify areas that may need further explanation in future classes.

Signature of Faculty

Head of the Department