



JERUSALEM COLLEGE OF ENGINEERING
AN AUTONOMOUS INSTITUTION

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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year 2021 - 2021 (Odd Semester)

Degree, Semester & Branch : III Semester B.TECH IT
Course(Subject) Code & Title : JCS1303 Computer Architecture
Name of the Faculty member : Dr.D.Parameswari

Innovative Practice

Unit / Topic: Unit III/ Reflections: Booth Algorithm, Restoring and Non Restoring Algorithms

- Course Outcome: CO3
- Topic Learning Outcome: TLO12
- Activity Chosen: Learning by Teaching

:Objectives:

O1: To encourage the students to come up with more questions and doubts on the topics that they are not clear.

Justification for choosing this topic:

Reflection is a process where teachers can identify their own teaching process and analysing how their teaching (content delivery) might be improved for the better understanding of the students. The prime objective of Reflection is to make the students write their doubts in a paper on topics which they are not clear, so as the teacher can discuss and clarify the concepts that are not understood by the students.

Activity on Reflection:

After part of the lesson is completed, in order to address the doubts and to know the level of understanding of the students, they are insisted to honestly describe the concepts that they didn't understand well. The students wrote their doubts and topics which they are not clear. The papers are collected by the course instructor and discussed all the doubts in next class session and make them understand. The course instructor also provided a short written explanation on the papers collected from the students for future reference.

Observations made:

- The topics in which students have some doubts or not clear:
 - Booth Algorithm
 - Restoring and NonRestoring Algorithms
- Some of the students unaware of the Solving Problems using BoothAlgorithm, Restoring and Non Restoring Algorithms.

Action taken:

- Explanation is written in all the students' paper and common doubts among students are discussed and explained in the next lecture session.

OUTCOME: Through this activity the students can recollect the topics on Booth Algorithm, Restoring and Non Restoring Algorithms. The students are made to understand how to solve the problem using the algorithm in which they are not clear and ensured that they understood the topics thoroughly.

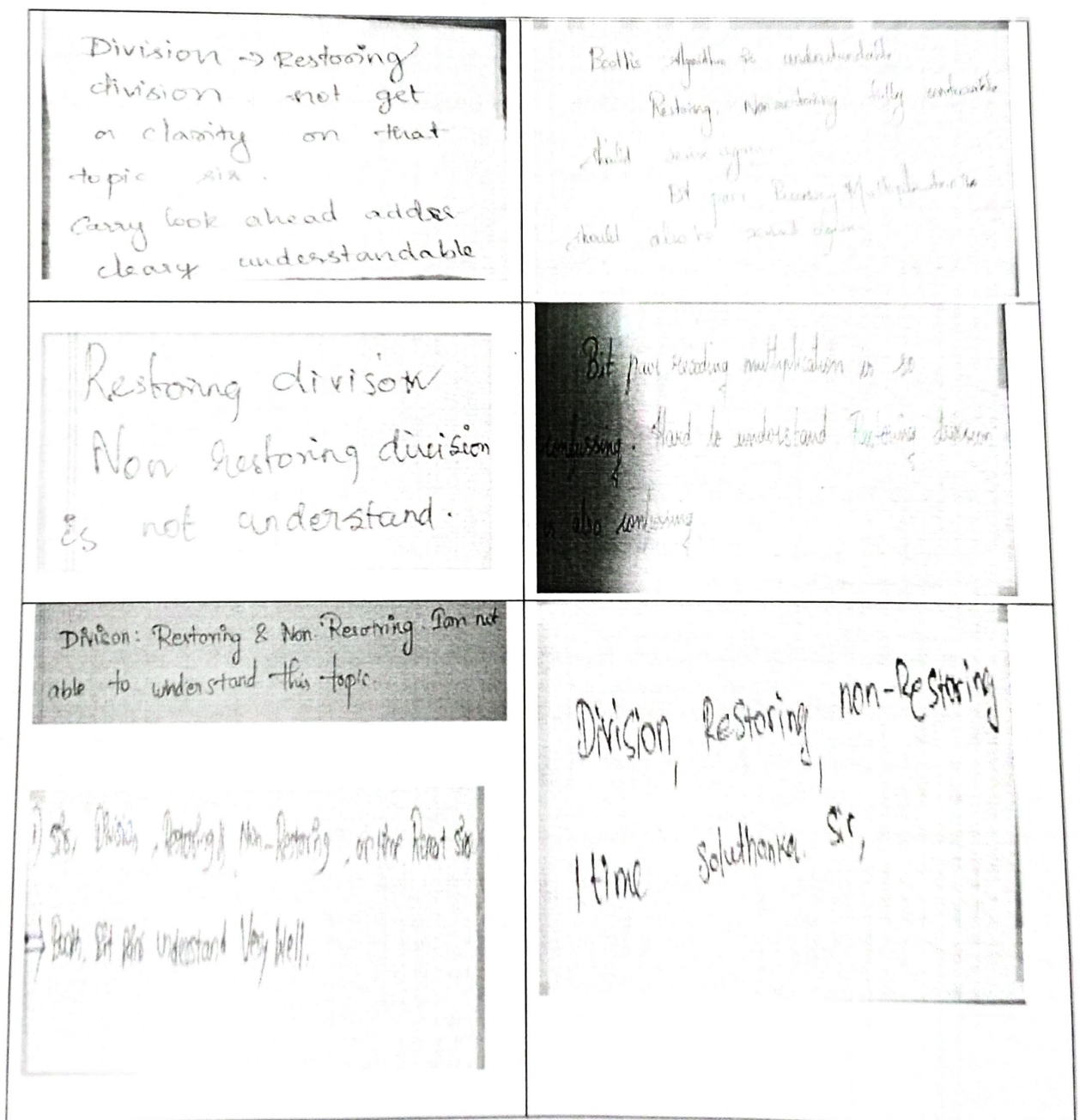


Fig.1 Some of the student's doubt written in the paper

- **Reflective Critique:**
 - **Feedback of practice from students and other stakeholders:**
 - The students felt that they can able to understand the structure of M-commerce, its pros and cons concepts clearly.
 - Also they can able to recall the key terms in M-commerce concept.
 - **Benefit of the practice:**
 - Students were provided with the opportunity of self-learning.


- From this activity, all the students got clear idea about m-commerce concept.
- Able to attend this topic in Internal Assessment Test.

- **Challenges faced in implementation:**
 - Few students were hesitated to ask doubts or questions during the seminar.
 - Need to explain the key terms of the concept again to all the students.

References:

- https://en.wikipedia.org/wiki/Learning_by_teaching
- <https://tophat.com/glossary/l/learning-by-teaching/>


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