TEACHING AND LEARNING METHODOLOGIES
DEPARTMENT OF COMPUTER SCIENCE

TEACHER CENTERED METHOD

The students are allowed to take notes and ask questions at the end of a lecture, and the master of the subject has to answer them all. Thus, in this method, a teacher is the main role model for the large class, and it has a strong mastery of that specific subject.It is the method where the teacher is the only expert or an authority figure for the learners or students.

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GUEST LECTURES

INTERACTIVE OR PARTICIPATIVE METHOD

The teacher's responsibility is to explain the key points . Many strategies are used in this teaching method like writing exercises, think-pair-share, debate, problem-based learning, or situation analysis.

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THE DISCUSSION METHOD

This method is mainly used to utilize the knowledge, experience, and creativity of each student. When the whole discussion ends, the teacher corrects the mistakes and clears the debatable concepts.

THE STUDY ASSIGNMENT METHOD

It is one of those teaching methods that promote active learning. In this method, the teacher or an instructor assigns a task to students before the class. This method enhances the research skill abilities of students, and the discussion part in class makes the teacher and students know different points of view of each other.

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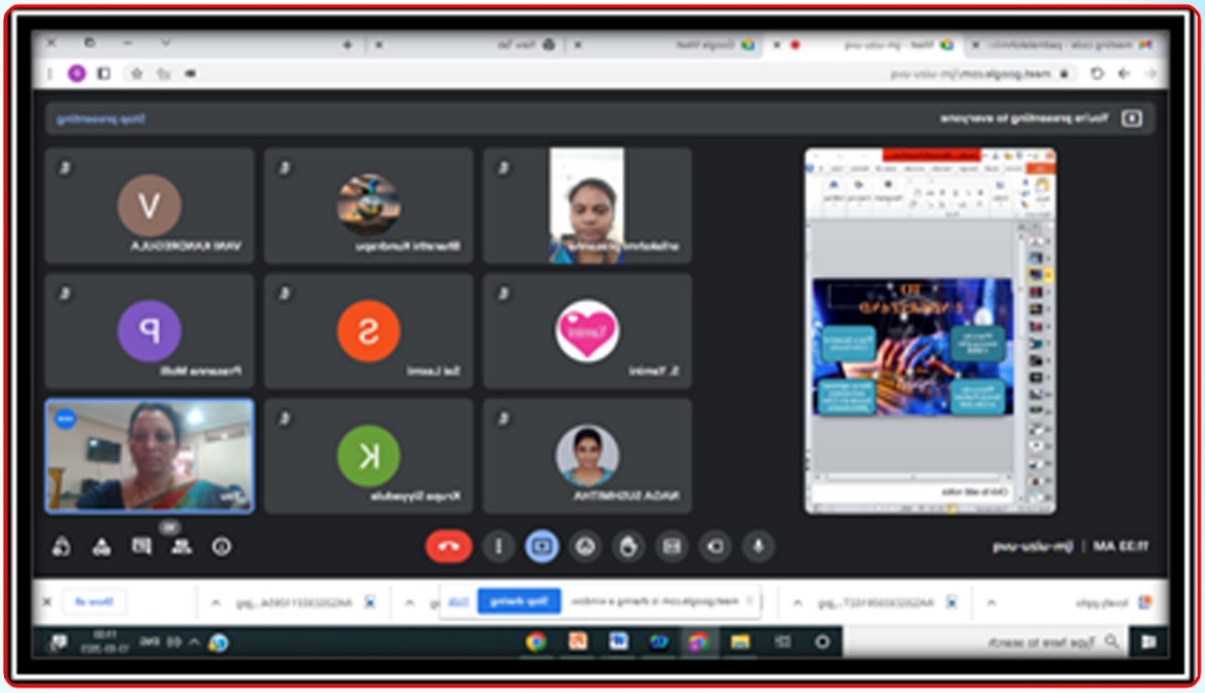
THE DEMONSTRATION METHOD

The demonstration teaching method is mostly used in laboratories

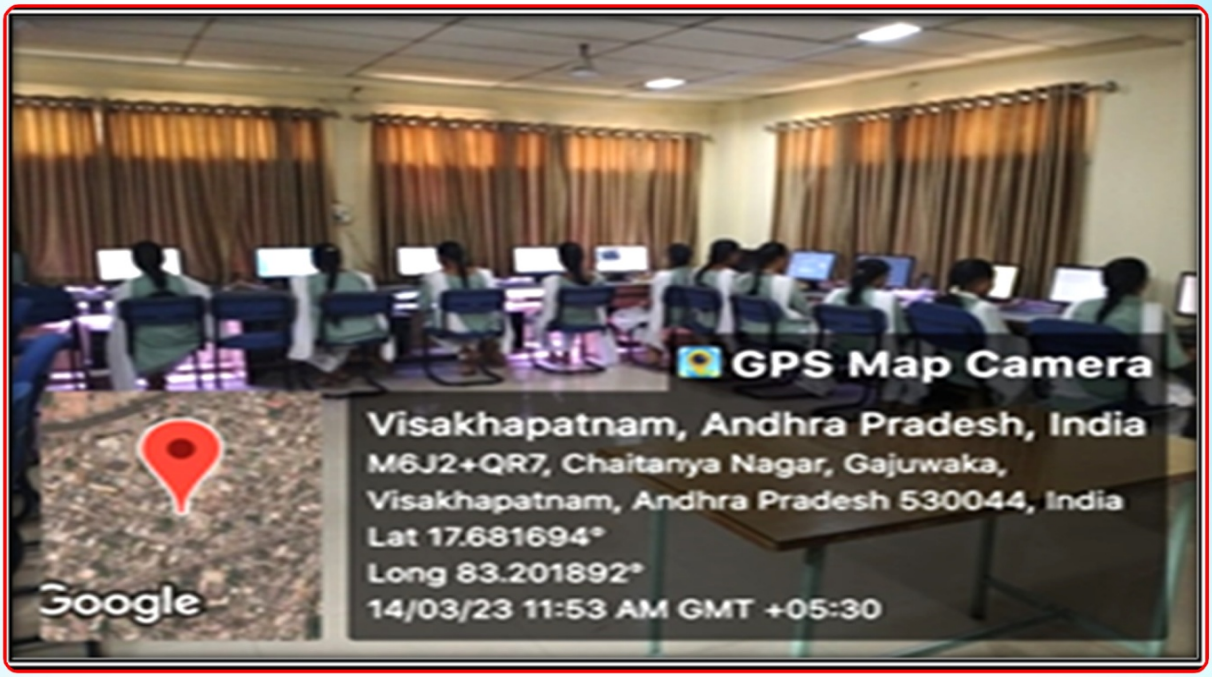
ONLINE TEACHING METHOD

One of the most flexible teaching methods is the online teaching method. The teacher and the learner can offer a flexible timescale, which is unrestricted to time and place. Both can communicate with each other via email or any other digital support. The access to recorded lectures after the online session helps the students to listen to them later and understand better. The advancement of technology has turned learners into online learning in the last few decades.



INDEPENDENT STUDY OR PRACTICE

Some teachers or an instructor follow the independent study or practice teaching method because this improves the self-learning or self-study abilities of the students. In such methods, teachers mostly assign the same task to each student to practice or study it from home on their own, and then the other day, teachers evaluate the task and solve the students' queries.

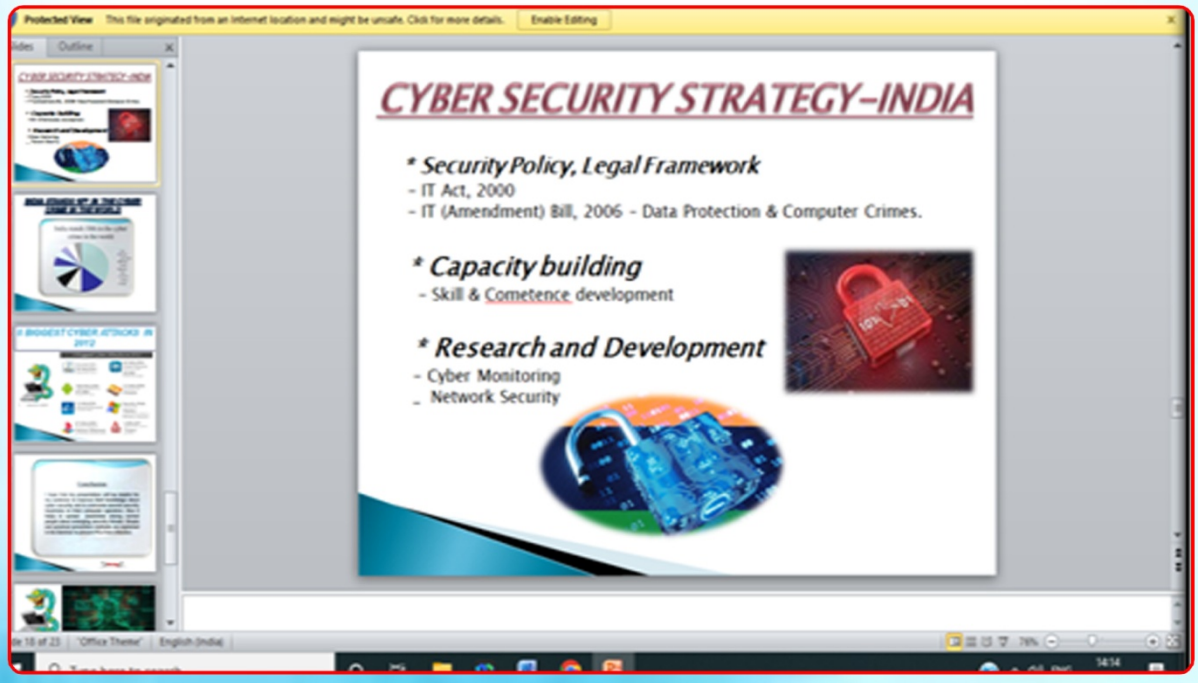


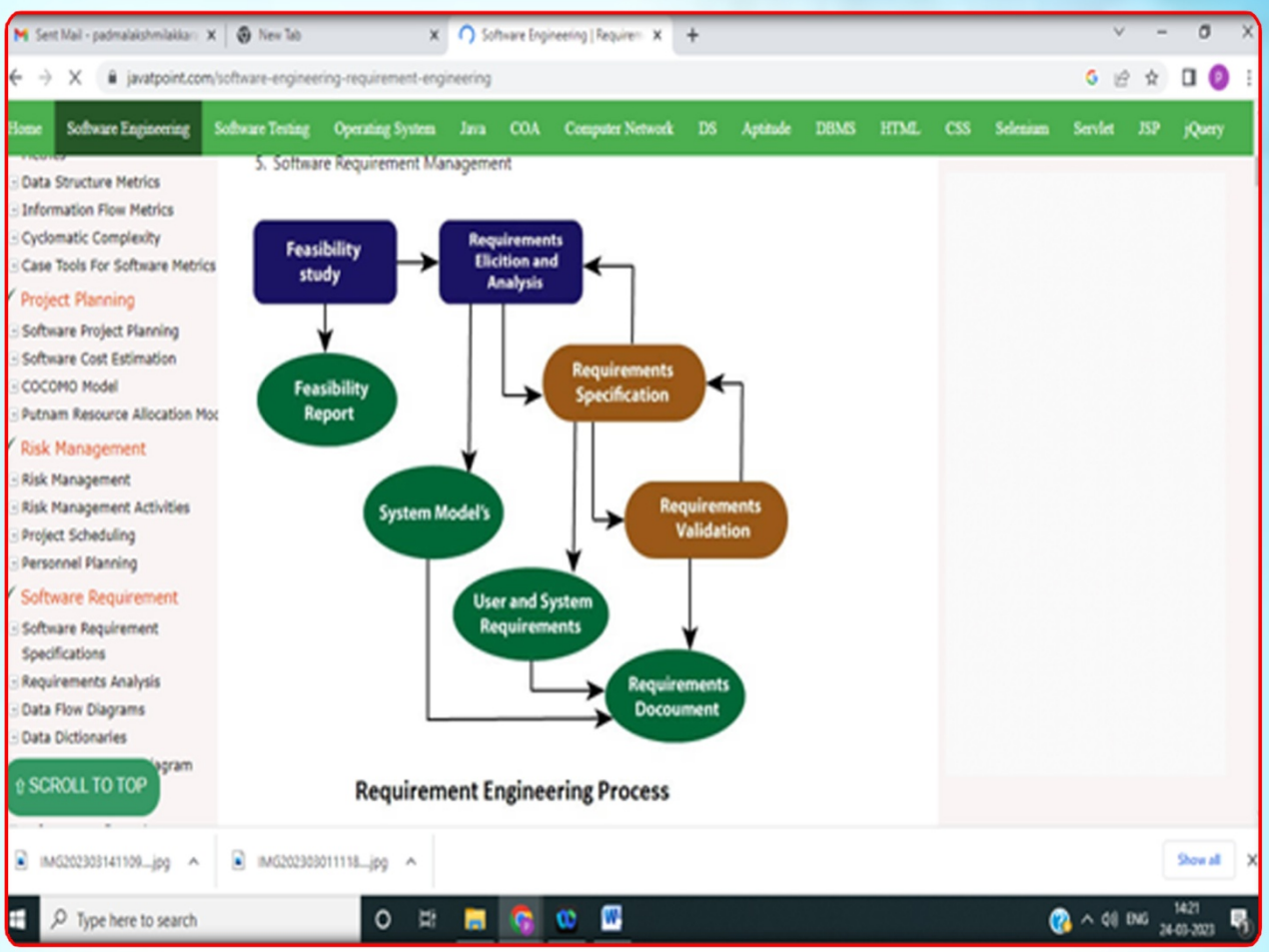
PROJECT-BASED LEARNING

Teachers should make the groups of students quite carefully and selectively as each student's learning style and ability vary.

TUTORIAL METHOD

Classroom technology is the best teaching strategy a teacher can use to keep the whole class engaged. This strategy can be used at any level or year of education because students get excited when they have to experience something new for the first time. Video lessons, virtual trips in geography or history class, animations to help students learn basic skills, and many more adapt to this teaching strategy. Moreover, smart whiteboards, projectors should be used in classrooms.

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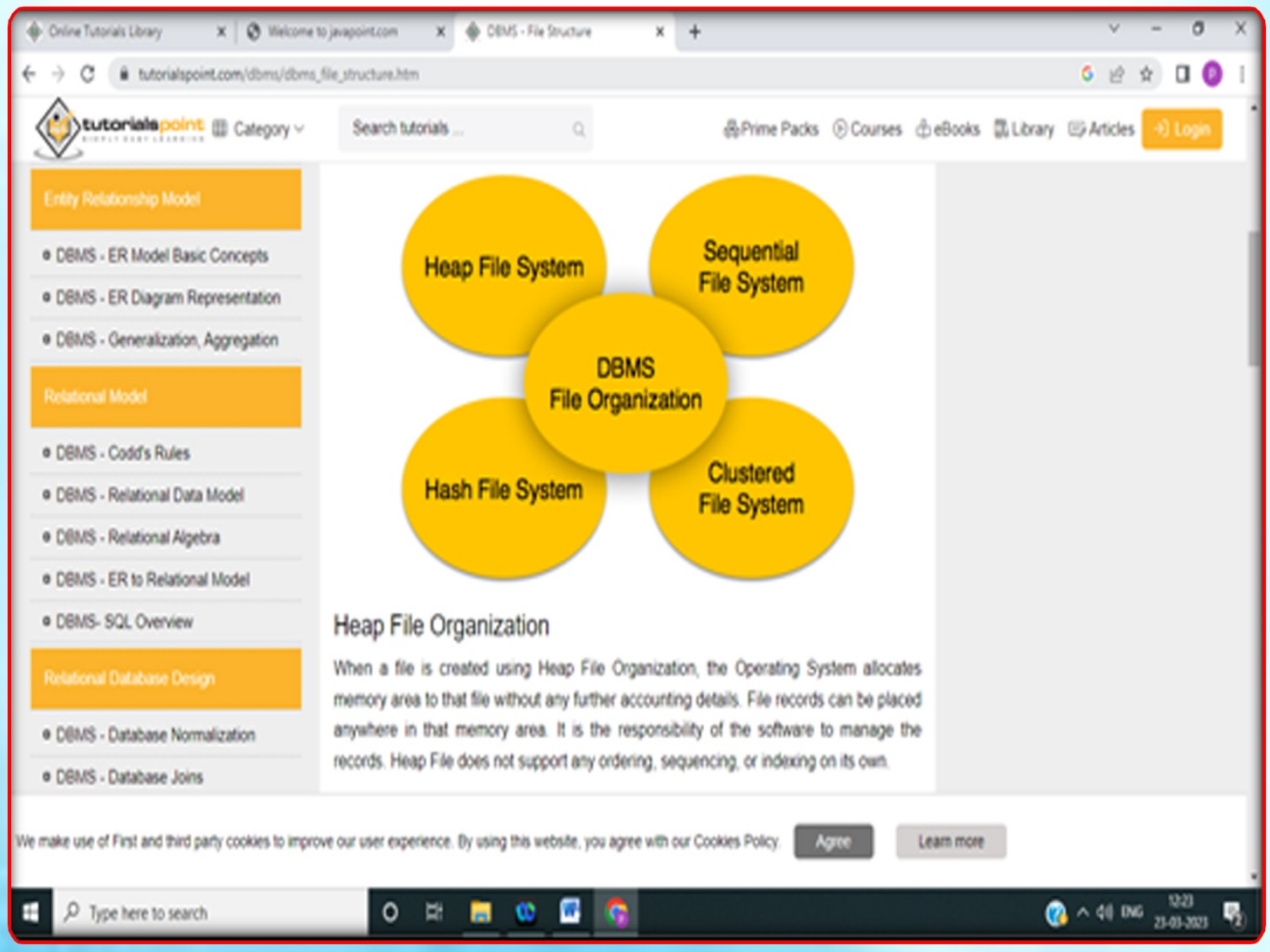
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DBMS File Organization
Hash File System
Clustered File System
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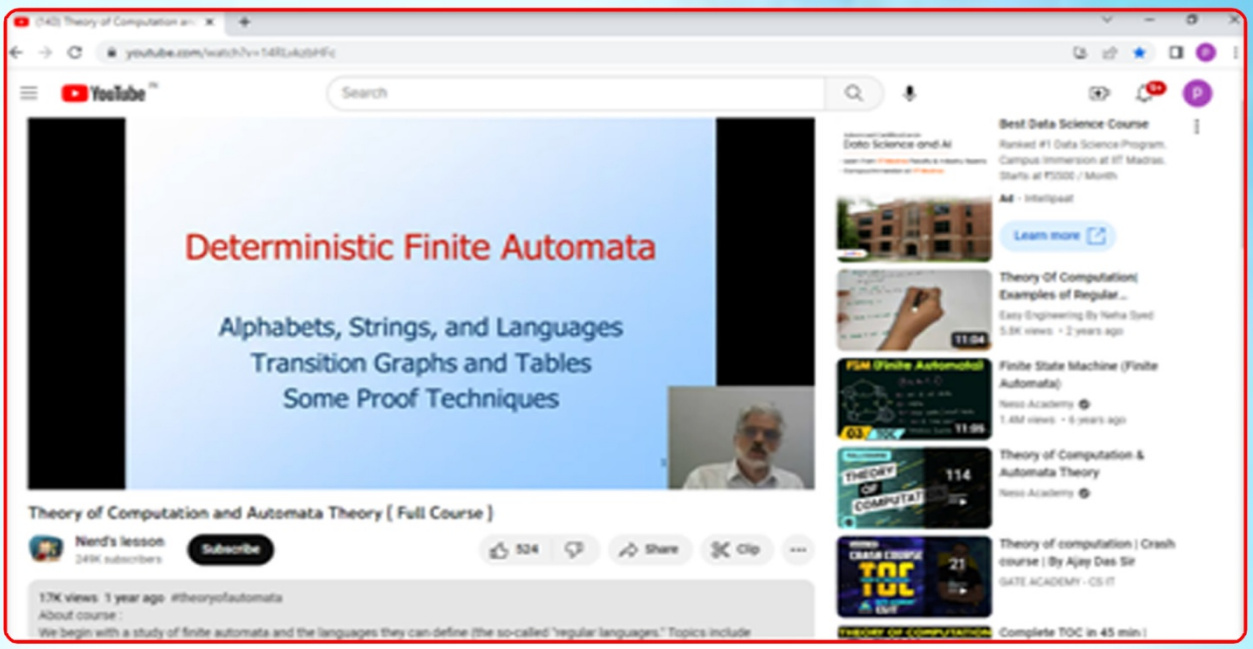
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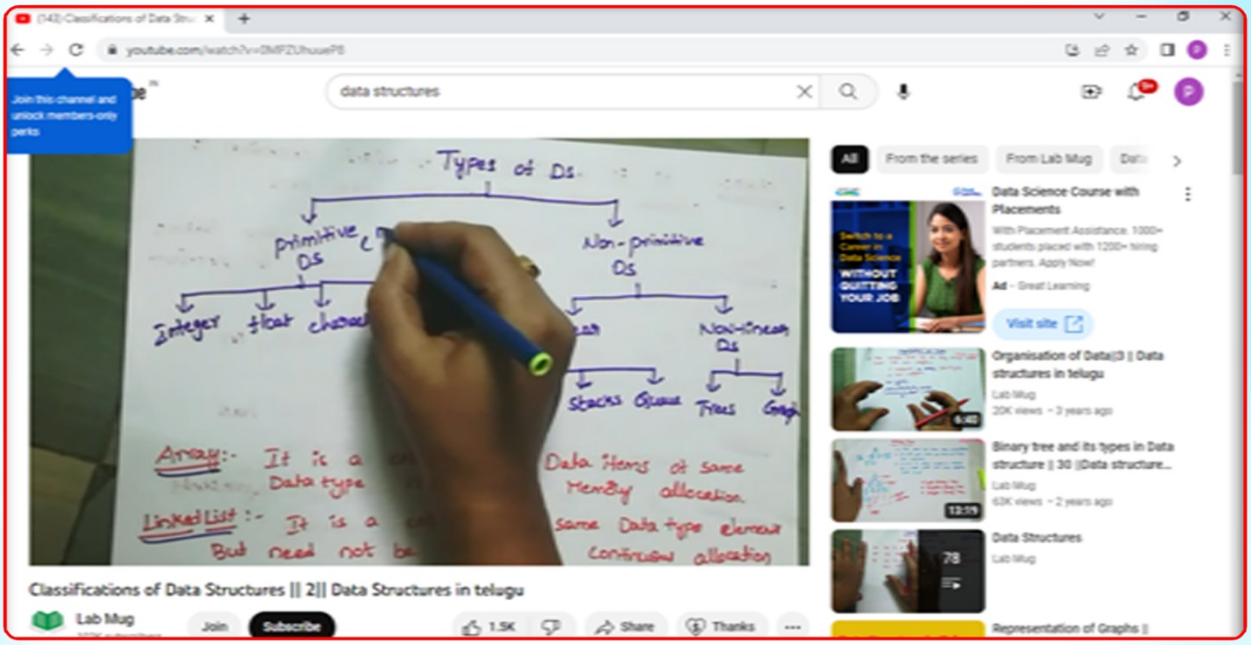
data structures
Types of Ds
primitive Ds
Non-primitive Ds
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Linked List :- It is a
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