



Innovative Teaching Practice: Self - Learning

Faculty Name	B. Indra Devi
Course Name	DBMS
Academic Year	2023-24
Class	II/II SEM
Topic	Indexes and Performance Tuning

Objective of the Activity: In the innovative teaching and learning process, self-learning empowers students to take ownership of their learning journey, identifying their needs, setting goals, and actively seeking resources, fostering autonomy and deeper understanding. This model encourages students to explore the relationship between studying and real-world applications like work, citizenship, and personal growth.

Pre-Class Preparation:

Self-learning is a method that puts learners in control of their educational journey, allowing them to take the lead in how they acquire knowledge. In this approach, learners define their own objectives, choose the resources they'll use, and decide on the methods that work best for them. They actively pursue new skills or knowledge and later reflect on their progress.

When a tutor or instructor is involved, their role is more of a facilitator than a traditional teacher. They might help outline a learning goal, but the responsibility for navigating the path lies with the student. The tutor steps in mainly to offer guidance or support if the learner encounters challenges. This type of learning often happens naturally in daily life but can be purposefully integrated into various educational settings, such as schools, universities, and even corporate environments.

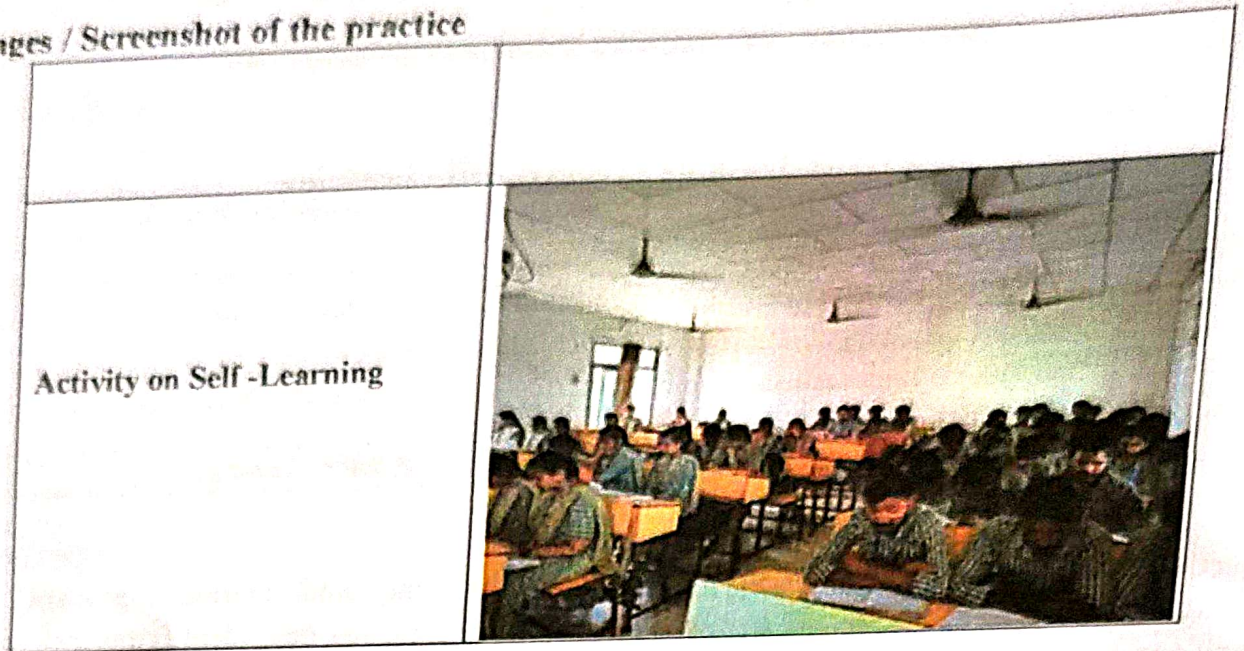
In-Class Activity:

In Database Management Systems (DBMS), indexes and performance tuning are crucial for efficient data retrieval. Indexes, like table of contents, speed up searches by allowing the database to quickly locate rows based on specific values, while performance tuning optimizes the database for speed and efficiency. a group of activities DBAs perform to ensure databases operate smoothly and efficiently. It helps re-optimize a database system from top to bottom, from software to hardware, to improve overall performance.

Time Allotted for Activity:

- Pre-class preparation: 50 Minutes
- In-Class Activity: 30 Minutes

Images / Screenshot of the practice



Benefits of Self Learning practice:

These learners enhance their abilities in:

- Researching
- Making informed decisions
- Solving problems independently
- Staying organised
- Motivating themselves
- Building resilience
- Managing their time effectively


Signature of Faculty Member


HOD

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