



## Department of Information Technology

Academic Year 2023 – 2024 (Even Semester)

**Degree, Semester & Branch** : IV Semester-B. Tech Information Technology  
**Course Code & Title** : IT3401 & Web Essentials (Integrated Course)  
**Name of the Faculty member (s)** : S. Sakkaravarthi, AP/IT

### Innovative Practice Description

- **Unit / Topic** : Unit 2 / Backgrounds and Borders
- **Course Outcome** : CO2
- **Topic Learning Outcome:** PrO2
- **Activity Chosen** : Learning by Teaching
- **Justification:**
  - Learning by Teaching is an activity where students take on the role of teacher to teach their peers about specific topics or concepts. This method emphasizes active engagement, collaboration, and deeper understanding.
  - The background and border properties in web design are essential aspects of CSS (Cascading Style Sheets) that help define the visual style of web pages.
  - In order to have a recap of background and border properties of web design, this activity is chosen.
- **Time Allotted for the Activity:** 35 Minutes
- **Details of the Implementation:**
  - Prior to the session, the instructor asked the students about their willingness to teach a particular topic. Karthik Raja. E expressed interest in taking the class.
  - The student was assigned the topic Backgrounds and Borders based on its relevance and complexity.
  - The student was given time to prepare the assigned topic and was encouraged to gather information from various sources, organize the content effectively and plan his teaching approach.
  - After the presentations, a question-and-answer session was held to encourage active participation and clarify any doubts.
  - This allowed students to engage in discussions and exchange additional insights related to the topic.
  - Finally, the instructor summarized the content.



- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO9	PO10	PSO3
CO2	2	2	3	2	2	3

(1 – Low      2 – Moderate      3 – High)

- **PO / PSO mapped:**

Innovative practice	PO1	PO2	PO3	PO9	PO10	PSO3
<b>Justification for correlation</b>	Students will be able to understand the various background and border properties and apply to design a web page	Students will be able to develop dynamic websites using CSS3 properties	Students gained proficiency in designing web page.	As the student involved in the activity as an individual, the individual programming skill improved	Students communication skill will be improved as they are facing audience	The Students will be to apply web designing concepts in in creating good look and feel websites

- **Images / Screenshot of the practice:**



**Fig 1: Learning by Teaching Activity by Karthik Raja E**



- **Reflective Critique:**

- ❖ ***Feedback of practice from students and other stakeholders:***

- All the students were eagerly listened the class. Students felt they are able to understand the topic.
- The student express that the role of a teacher boost their confidence in knowledge of web designing.
- This activity makes the students to gain knowledge of various background and border properties in designing a good look and feel web pages.

- ❖ ***Benefit of the practice:***

- Students actively engaging in teaching peers gain a more profound understanding of background and border properties.
- Actively participating in the teaching process helps students remember key details and concepts better compared to passive learning methods
- This activity encouraged the students to share their knowledge with others.
- Students spent their time in self-learning.

- ❖ ***Challenges faced in implementation:***

- Effectively motivate students who are not participating in the activity due to shyness, fear of public speaking, or lack of confidence. Motivate the students to overcome their shyness and engage in active learning.
- Implementing Learning by Teaching required additional time compared to traditional teaching methods. Planning and executing interactive teaching sessions was challenging.

At the end of session, the instructor summarized the background and border properties used in designing web pages.

## References:

- <https://effectiviology.com/protege-effect-learn-by-teaching/>
- [https://www.ritrjpm.ac.in/images/computerscience/20222023/5\\_VA\\_CS3362\\_Learning%20by%20teaching.pdf](https://www.ritrjpm.ac.in/images/computerscience/20222023/5_VA_CS3362_Learning%20by%20teaching.pdf)

**Signature of Faculty Member**

**HOD**