

LXD WORKSHOP LEVEL 1

Event No	CARE006
Organizing Department	Centre for Active Research in Engineering Education
Associate Dept. NSC	Centre for Teaching Innovation and Excellence Civil Engineering
Date	23/05/2023 to 25/05/2023 (3 Days)
Time	08:45 AM to 04:15 PM
Event Type	FDP
Event Level	Institute
Venue	360 Hall
Total Participants	25
Faculty - Internal	25

Related SDG



Involved Staffs

Sl	Name	Role
1	Rohan J	Convenor
2	Joel E	Coordinator

Outcome

Action Plan for the Implementation of LXD in the CIVIL Department
Understanding of the frameworks and working principles of Learning Experience Design

Event Summary

The Learning Experience Design (LXD) Workshop conducted for the faculty members of the Civil Engineering Department was a remarkable event held over three consecutive days from May 23rd to 25th. The workshop aimed to empower participants with the knowledge and skills to create immersive and transformative learning experiences for their students. In addition to covering advanced topics such as converting activities into experiences, pillars of a learning experience, design philosophies, and hormonal simulations, the workshop provided a platform for faculty members to explore innovative teaching methodologies.

Workshop Highlights:

1. **Converting Activities into Experiences:** Faculty members were introduced to the concept of transforming traditional activities into engaging learning experiences. Through practical examples and case studies, participants learned how to create immersive experiences that capture students' attention and foster deeper learning.
2. **Pillars of a Learning Experience:** The workshop emphasized the essential pillars of a learning experience, including relevance, engagement, challenge, and reflection. Faculty members explored strategies to incorporate these pillars into their teaching methodologies, ensuring a holistic and meaningful learning journey for their students.
3. **Design Philosophies:** Participants delved into various design philosophies that enhance the learning experience, such as learner-centered design, interdisciplinary approaches, and real-world applications. By understanding these philosophies, faculty members were able to develop instructional strategies that align with the needs and aspirations of their students.
4. **Hormonal Simulations:** An additional highlight of the workshop was the exploration of hormonal simulations, which help to understand the students and effectively use them in their curriculum, enhancing the experiential aspect of learning.

The workshop empowered faculty members with the necessary knowledge and skills to create immersive learning experiences in the field of civil engineering. Participants gained a deep understanding of the importance of experiential learning and its impact on students' comprehension and retention of complex engineering concepts. As an outcome of the workshop, faculty members formed collaborative groups to design lesson plans that incorporate experiential learning principles and hormonal simulations. These groups will receive ongoing support from the CARE team, ensuring the effective implementation of innovative lesson designs. By adopting the principles and strategies learned in the workshop, faculty members are poised to transform the teaching-learning process within the Civil Engineering Department. Through immersive experiences, interdisciplinary approaches, and real-world applications, faculty members can create a dynamic learning

environment that prepares students for the challenges of the civil engineering field.

The Learning Experience Design (LXD) Workshop for the Civil Engineering Department proved to be a transformative experience for all participating faculty members. The workshop equipped them with the necessary tools and strategies to create engaging and impactful learning experiences for their students. By incorporating advanced topics such as converting activities into experiences, pillars of a learning experience, design philosophies, and hormonal simulations, faculty members are now better positioned to revolutionize the teaching methodologies within the Civil Engineering Department, creating a stimulating and experiential learning environment for future engineers.



**Three Days
LEARNING EXPERIENCE
DESIGN WORKSHOP**

**CIVIL ENGINEERING
DEPARTMENT**

**MAY
23-24-25**

WHAT THE EDUCATORS GET

- Understanding the principles of LXD, including the use of technology, empathy, and psychology to create effective learning experiences.
- Applying advanced concepts such as Kolb's Experiential Cycle, Bloom's Taxonomy, Flipped Classroom, and Self-Organized Learning Environment to create impactful lesson plans.
- Identifying learner needs and preferences and conducting needs analyses to design learning experiences that cater to these needs.
- Designing learning activities and assessments that are aligned with learning objectives and outcomes.
- Incorporating experiential and active learning models to make learning more engaging and immersive.
- Evaluating the effectiveness of learning experiences and making necessary adjustments to improve them.

WHY
Empower educators with the expertise to craft pedagogically sound learning experiences, leveraging technology and incorporating the benefits of empathetic design thinking and cognitive psychology.

HOW
Transform the entire teaching-learning philosophy in a methodical transformation loop without ruffling the status quo.

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