AJEENKYA D Y PATIL UNIVERSITY
THE INNOVATION UNIVERSITY
School of Engineering

Department of Biotechnology

Innovative Teaching Learning (Pedagogy) Report

Name of the Faculty	Dr. Nawneet Kurrey
Class	VI Semeseter 3rd year
Courses Taught	Basics of Human Nutrition, General Course
Academic year	2024-2025
Title of Padagogy	Experiential Learning, Peer Interaction, Multimodal & Visual-Aided Teaching, Project-Based Learning
Objective	To enable students to understand and apply foundational concepts of human nutrition through experiential learning, real-life dietary simulations, peer collaboration, and critical thinking—making nutrition science relatable, practical, and engaging.
Methodology	• **Experiential Learning**: I included diet planning and calculations in class. • **Discussion-Based and Socratic Method: Evidence:** Regular open-ended discussions and student interactions. • **Visual & Multimodal Learning**: Evidence: I used of PowerPoint presentations with visuals, diagrams, organelle graphics, and energy flow charts (e.g., from the metabolism presentations). • **Project-Based Learning (PBL) Evidence**: I included poster presentations and projects made sure that there are real world examples included. • **Storytelling and Real-World Integration Evidence**: I often connect concepts to everyday scenarios (e.g., hot coffee for thermal energy, glucose metabolism during exercise).
Outcome	• Helps students internalize nutritional science by applying it to *real-life meal plans* and *personal health contexts*. • Develops critical thinking and allows students to relate theoretical nutrition concepts (like DRIs, metabolism, macronutrients) to daily life. • Enhances conceptual understanding, especially in topics like glycolysis, anabolism/catabolism, and nutrient pathways. • Encourages *collabor,ation* and *creativity*, and deepens understanding of complex topics like nutrient metabolism or food labels. • Makes abstract nutrition science *relatable and memorable* for students.
Glimpses