

Proposed Idea: Group-Based Unit-Wise Gamified Assessment for Intelligent Computing

Instead of conducting one heavy mid-semester and end-semester exam, the evaluation for Intelligent Computing can be made more engaging and less stressful by dividing it into **five smaller group-based assessments**, one for each unit. Students can be grouped in teams of 3–4 and will prepare and present only **one unit at a time**, ensuring focused understanding and equal distribution of effort throughout the semester. This approach not only reduces exam pressure but also encourages **team collaboration, discussion, and practical understanding** of concepts.

For example, each unit's test can be designed as a **mini gamified challenge** — in Unit 2 (Soft Computing), groups might design a small fuzzy logic system to rate weather conditions; in Unit 3 (AI Concepts), they could simulate a search algorithm or a simple neural network case; and in Unit 5 (IoT Concepts), they might sketch a working model of a smart home or traffic system using IoT layers. Each group earns points for creativity, clarity, and teamwork.

Teachers can easily conduct these sessions during regular class hours without any extra technical setup — just discussions, whiteboard work, or small demos. At the end, the combined performance across all units can form the student's internal evaluation marks. This makes the exam process more **interactive, continuous, and skill-oriented**, rather than stressful and memory-based.