Continuous Assessment Reduction through Experience (CARE)

Policy Guidelines: Students are required to appear for Continuous Assessment (CA) evaluations, as per their course CA category. However, those wishing to explore innovative learning methods or alternative approaches may apply for CA modifications.

- **Flexibility in Learning Approaches:** The CA Modifications will allow students to opt for Real-life Problem-Solving Assignments (Projects/ Community Based Assignment/ Research and Analysis Projects etc) as an alternative to traditional CA methods. CA modification requested must be aligned with the learning objectives and standards of the course.
- **Zero Lecture Orientation:** During the Zero Lecture of each course, the course teacher will provide students with an overview of the CA structure for the course.
- **Application for CA Modifications:** Students interested in opting for CA modifications may submit their request through the University Management System (UMS). Students may apply for CA modifications in only one course per term. Student can opt for more than 1 CA modification request for the same course. Student will mention the Course Code and the specific CA component that seeks to be modified.
- **Approval Process:** The submitted CA Modification requests will be reviewed and are subject to approval by the Academic Committee. Students will be notified of the decision through the UMS portal.
- **Evaluation of Approved CA Modifications:** The evaluation of the modified CA will be done by Course faculty and Academic Committee.
- **General Provisions:** This policy is designed to encourage innovation, creativity, and real-world problem-solving among students.

Applicability of Continuous Assessment Reduction through Experience (CARE)

Program Year	CGPA requirement	Maximum course count (Per Term)
1st Year*	7.5 and above	1
2nd, 3rd and 4th Year	8 and above	1

Equivalence Table for Evaluation of Modified CA: Evaluation of CA modification requested from the student and the corresponding benefits will be done as per the following criteria mentioned below in Table 1.

Table 1: Equivalence table for modified CA

Criteria for Modified CA	Outcome	Marks Allocation
Real-life Problem Solving	1. The submitted CA proposal leads to solving a real-life problem.	Full marks in CA requested for modification.

	2. **All the outcomes are achieved.** 3. The proposal is aligned with the learning outcomes and standards of the course.	
Real-life Problem Solving with Extraordinary Work. *As decided by Academic Committee	1. The submitted CA proposal leads to solving a real-life problem. 2. **All the outcomes are achieved** along with **some extraordinary work.** 3. The proposal is aligned with the learning outcomes and standards of the course.	Full Marks in all CA components for that course code. *Further additional academic benefits in this course may be given as per the decision of Academic committee
Real-life Problem Solving with Partial/No Outcomes achieved	Outcomes are **either partially achieved or not achieved** at all.	CA marks will be provided as per the evaluation done by the Course faculty for the modified CA.

*Apart from the attainment of learning outcomes as required for the real-life problem-solving modified CA if student has achieved in addition like copyright/ publication/patent/ revenue generation (minimum 10k) etc.

The weightage based on evaluation criteria for the particular modified CA as requested by the student will be determined based on the table 2 below. The final weightage will be equated to the CA marks allocated to a particular CA.

Table 2: Evaluation criteria for modified CA

Criteria (10 Marks Each)	**Weightage**	**Rubrics for Evaluation**
CA Design and Documentation	25 %	- **Excellent (9-10):** The design is well-structured, modular, and scalable. Comprehensive documentation includes flowcharts and explanations. - **Good (7-8):** The design is clear with some modularity and scalability. Documentation is adequate but could provide more details. - **Average (5-6):** Design lacks modularity or scalability, and documentation is incomplete or lacks clarity. - **Poor (<5):** The design is unstructured or chaotic, with little to no documentation.
Technical Implementation	50 %	- **Excellent (9-10):** The work demonstrates innovative solutions, proper use of tools/technologies, meets functional requirements, and is free from errors.

		- **Good (7-8):** The work is implemented with minor issues but mostly meets functional requirements. Few errors but no critical flaws. - **Average (5-6):** The implementation is functional but lacks innovation or has significant errors impacting usability. - **Poor (<5):** Major implementation errors, fails to meet functional requirements or deliverables.
Course Learning Outcomes	25 %	- **Excellent (9-10):** The work clearly demonstrates an in-depth understanding of core concepts taught in the course, applying relevant theories and principles accurately and appropriately. - **Good (7-8):** The work reflects a good understanding of core concepts, with only minor gaps or errors in their application. - **Average (5-6):** Basic understanding of concepts is demonstrated, but there are significant gaps or misapplications of principles. - **Poor (<5):** Minimal or no evidence of understanding course concepts, with major errors in application.

For example: If a student secured 8 marks in CA Design and Documentation, 7 marks in technical implementation and 8 marks in Course learning outcomes, then the marks as per weightage will be calculated as mentioned below:

1. **CA Design and Documentation (25% weightage):**
   - Marks scored: 8/10
   - Contribution to final score = 8/10×25=20 marks.
2. **Technical Implementation (50% weightage):**
   - Marks scored: 7/10
   - Contribution to final score = 7/10×50=35 marks.
3. **Course Learning Outcomes (25% weightage):**
   - Marks scored: 8/10
   - Weightage: 25%
   - Contribution to final score = 8/10×25=20 marks.

Final Score (Out of 100): Adding all Criteria: 20+35+20=**75.** The same will be prorated to 30 marks based on CA score.

Some sample cases for the modified CA can be illustrated as per the examples below:

For example: In CSE101 (Computer Programming), CA category is executing the code as per scenario-based question given on auto-grader platform. Students have the option to request a modification for one of the CAs by implementing a real-life project using the C language. This modification CA should include the project's scope, design, implementation, testing, and optimization.

In CSE306 (Computer Networks), one of the CA components is an MCQ-based assessment, and another is a subjective evaluation. Students can request a modification for one of the CAs by implementing a real-world Local Area Network (LAN) setup for a small business, utilizing hardware components such as switches and access points etc.

In INT245 (Penetration Testing), Continuous Assessment (CA) includes a practical based assessment and further report compilation. Students have the option to request a CA modification by undertaking a Wi-Fi Security Assessment for a Small Business in a real time manner. Conduct a security assessment of a Wi-Fi network to identify potential vulnerabilities (Bug Bounty) such as weak encryption protocols, unauthorized access, and insecure configurations.