

Course Title: **Project I (2 Cr.)**  
 Course Code: **CACS256**  
 Year/Semester: **II/IV**  
 Class Load: **4 Hrs. / Week (Practical: 4 Hrs.)**

**Course Description**

This is fully practical course and expects the practical implementation of the concept learnt by students during first two years of their study. However, it should not be limited to the boundary of syllabus. So, the students can go beyond this and make their project work more realistic and technically sophisticated.

**Course Objectives**

The general objectives of this project work are to make student able in implementing concepts learnt by fourth semester so that they will be able to develop application of their own choice.

**Procedures**

- Students will work individually or in pairs on a minor project of their choice, mostly related to development of a computer application for a real life situation.
- Students have to defend their project proposals at the beginning of fourth semester (within 20 days from their first class day of fourth semester).
- Students must present midterm progress report of their project work and defend it in 12<sup>th</sup> week of fourth semester.
- At the end of the semester they must present well documented reports of their project works in the standard format, which will be assessed by their Project Advisors and defend the tasks what they have done then they will have to appear a viva voice conducted by a group of internal and external experts.

**Evaluation**

Examination Scheme				
Internal Assessment		External Assessment		Total
Theory	Practical	Theory	Practical	Total
-	80	-	20	100

Evaluation will be done in the following three stages:

**First Stage (Proposal Defense Phase):** Its weight age 10% of the total mark. Evaluation will be done based on the followings:

*(Handwritten signatures and stamps)*

1. Project Proposal
2. Project Plan
3. Budgeting

**Second Stage:** 70% of total mark shall be based on the following:

**Work Done (50 %)**

1. System Design
2. Thoroughness
3. Understanding of methods used in the project
4. Amount of work performed
5. Level of achievement
6. Ability to work with others
7. Ability to identify problems
8. Project planning skills.

**Documentation (20%)**

1. Report organization
2. Writing style
3. Completeness of the report
4. Readability
5. Organization and analysis of data and results

**Third Stage (Viva-Voice: 20%)**

An oral defense of the project work should be conducted on the last week of the fourth semester. The defense will be evaluated by external examiners (external to the department or from industries). The oral defense will carry 20% of total marks.

