

**CENTRAL UNIVERSITY OF KERALA  
DEPARTMENT OF COMPUTER SCIENCE  
M.Sc. COMPUTER SCIENCE**

CORE COURSE					
COURSE CODE	COURSE TITLE	CONTACT HRS/WEEK			CREDITS
		LEC	LAB	TUT	
CSC5490	Dissertation	-	20	4	8

Lec = Lecture, Tut = Tutorial, Lab = Practical

Each student is required to carry out a research based project under the supervision of one or more faculty member of the Department. However, a student may also opt to pursue his/her project work in industry (CMM level 3 and above) or government research organizations with the consent of the Department/Institute. In such cases, the department must look into the suitability of the projects and assign one or more internal guide/supervisor. The internal supervisor shall monitor progress of the student continuously. The decision to allow the students outside will be decided on a case to case bases by the faculty council based on the rules and regulation of the University for dissertation/projects and the decision thus taken will be final. A candidate is required to present the progress of the project work (at least twice) during the semester at an appropriate time decided by the department. There will be a final presentation of the project work at the end of the semester in front of internal and external examiners based on the work done and the dissertation submitted.

This is an experimental, research based, problem solving, skill development course.

Course Objective:

The objective of the course is to enable the students to develop real time research based projects.

By completing this course, students will obtain the following course outcomes:

1. Knowledge gained:
  - (i) State of arts methods /algorithms /procedures for the specific project undertaken by the student.
2. Skill gained:
  - (ii) Paper writing skills
  - (iii) Critically analysing and Modelling real world problems.
3. Competency gained:
  - (iv) Competency to handle/model any real world research based problem.
  - (v) Competency to participate in international data challenges.

Grading:

Lab implementation	– 30%
Presentation	– 10%
Final Exam (based on presentation, novelty, implementation, understanding)	– 60%

**CSC5490 – Dissertation**

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