Course Code :   CC 747

Course Title   :   Advanced Computer Controlled Systems

Credit Hours :   3

Course Description

Computer interfacing with systems, Operating systems for specialized computers, Time scheduling, Distributed computing using several processors, Hierarchical implementation of computer control, Case studies.

Course Objectives

Introduction to the concepts of computer as a part of the system working as the brain which play the decision maker of the system.

Course Topics

Week no. 1:   Computer interfacing with systems.

Week no. 2:   Operating systems for specialized computers.

Week no. 3:   Time scheduling.

Week no. 4:   Distributed computing using several processors.

Week no. 5:   Hierarchical implementation of computer control.

Week no. 6:   Case studies.

Week no. 7:   Case studies. / 7th week evaluation.

Week no. 8:   Case studies.

Week no. 9:   Case studies.

Week no. 10:   Case studies.

Week no. 11:   Case studies.

Week no. 12:   Case studies. / 12th week evaluation

Week no. 13:   Case studies.

Week no. 14:   Case studies.

Week no. 15:   Case studies.

Week no. 16:   Presentation of projects and Final Exam.