CENTRAL UNIVERSITY OF KERALA
केरल केन्द्रीय विश्वविद्यालय

DEPARTMENT OF COMPUTER SCIENCE

SCHOOL OF MATHEMATICAL AND PHYSICAL SCIENCES

Minutes of BOS in Computer Science Held on 09 July 2016 at 11.00 AM

Agenda: To discuss about the Syllabus, feedback of students, previous question papers, evaluation strategies

The following members were present during the meeting.

1. Dr. P. S. Hiremath, Professor, KLE Technological University
2. Dr. Rajesh R.
3. Dr. T.M. Thasleema
4. Mr. Ragesh N.K., Specialist, DSP & Multimedia, Tata Elxsi Ltd., Thiruvananthapuram
5. Mr. Fasil O.K., Software Engineer, NuCore Software Solutions

1) The BOS members have gone through the previous syllabus and current syllabus. The BOS observes the improvement in the curriculum/syllabus. The BOS members also suggested to include some industry related electives. The BOS approved the syllabus.
2) The feedback of 2014-16 batch students and 2015 admitted students were obtained. The BOS members has gone through the measures taken by the Faculty Council and approved the same.
3) The BOS members has gone through the previous question papers. The BOS members also verified (i) whether the question paper covers the entire syllabus, (ii) whether the question papers are upto the mark, (iii) whether the evaluation strategies of the answer papers are good. The BOS members were satisfied with procedures for the same.

Dr. P. S. Hiremath

Dr. Rajesh R.

Dr. T.M. Thasleema

Mr. Ragesh N.K.

Mr. Fasil O.K.

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

VALUE ADDED COURSE					
COURSE CODE	COURSE TITLE	CONTACT HRS/WEEK			CREDITS
		LEC	LAB	TUT	
CSC5051	Operating System	2	2	1	Nil

Lec = Lecture, Tut = Tutorial, Lab = Practical

This is an audited/value added **skill development course** and the credits will not be added to marklist.

Course Objective:
The main objective of this course is to impart knowledge on the basic principles of operating system design issues.

By completing this course, students will obtain the following course/learning outcomes:
1. Knowledge gained:
   (i) Management of operating system functionalities (CPU, Memory, File management)
2. Skill gained:
   (ii) Modelling software based on memory requirements
3. Competency gained:
   (iii) Optimal utilization of Operating System.

Prerequisites: Nil

Grading:

Lab implementation	– 25%
Participatory based group Project	– 25%
Assignment/Quiz/presentation	– 25%
Individual project	- 25%

CSC5051 – Operating System

Module 1
Introduction to Operating System (OS): History of OS, functionalities of OS, different types of OS.

Module 2
File Management, Memory Management, virtual memory, CPU Management

Module 3
Interprocess communications, Synchronization, Working with Windows, Linux, Mac OS

Text Books/References:

1. Operating Systems: Principles and Practice, 2nd Edition (2014), by Anderson and Dahlin, Recursive Books, ISBN 978-0985673529
2. Operating System Concepts, 8th Edition (2008), by Silberschatz, Galvin and Gagne, Wiley, ISBN 978-0470128725
3. Understanding the Linux Kernel, 3rd Edition (2008), by Bovet, O'Reilly, ISBN 978-0596005658, (good for projects)
4. Modern Operating Systems, 4th Edition (2014), by Tanenbaum and Bos, Pearson, ISBN 978-0133591620