

Vidya Jyothi Institute of Technology

Department of CSE

AY: 2020-21

Innovative Technique Implemented: LMS (Canvas Instructure)

Subject: Operating Systems

Name of the Faculty: S.Divya

Students: II-I B.Tech CSE-B

Implementation:

Canvas LMS is an open and reliable web-based software that allows institutions to manage digital learning, educators to create and present online learning materials and assess student learning, and students to engage in courses and receive feedback about skill development and learning achievement.

Canvas is a web-based learning management system, or LMS. It is used by learning institutions, educators, and students to access and manage online course learning materials and communicate about skill development and learning achievement.

Faculty upload unit wise notes, schedule quiz and assignment.

The screenshot displays the Canvas LMS interface. The left sidebar contains navigation links: Home, Announcements, Assignments, Discussions, Grades, People, Pages, Files, Syllabus, Outcomes, Rubrics, Quizzes, Modules, BigBlueButton, Collaborations, Attendance, and New Analytics. The main content area shows the 'Operating > Files > OS_Unit_I' view. A search bar and '0 items selected' status are at the top. Below, a table lists files:

Name	Date Created	Date Modified	Modified By	Size
OS_Unit_I_Chap_1.ppt	Oct 19, 2020	Oct 19, 2020	DIVYA S	5.9 MB
OS_Unit_I_Chap_2.ppt	Oct 19, 2020	Oct 19, 2020	DIVYA S	5.5 MB

At the bottom, a progress bar indicates '5% of 524.3 MB used' and a link to 'All My Files' is present. The Windows taskbar at the bottom shows the time as 01:05 PM on 07-02-2022.

The screenshot shows a web browser with multiple tabs open. The active tab is 'canvas.instructure.com/courses/2402645/assignments/syllabus'. The page displays the 'Course Syllabus' for 'III Year B.Tech. CSE – I Sem'. The course code is 'L T P C 3 0 0 3'. The syllabus is titled 'OPERATING SYSTEMS'. It lists 'Course Outcomes' and 'UNIT - I: Operating System Introduction'. The outcomes include understanding basic functions, analyzing process scheduling, understanding memory concepts, examining MASS storage structure, and comparing protection methods. Unit I topics include OS Objectives, OS Structure, OS Operations, Evolution of Operating Systems, Simple Batch, Multi-programmed, time shared, Personal Computer, Parallel, Distributed Systems, Real-Time Systems, Special - Purpose Systems, Operating System services, user OS Interface, System Calls, Types of System Calls, System Programs, Operating System Design and Implementation, and Virtual Machines. Unit II topics include Process and CPU Scheduling, Process concepts, The Process, Process State, Process Control Block, Threads, Process Scheduling, Scheduling Queues, Schedulers, Context Switching, Preemptive Scheduling, Scheduling Criteria, Scheduling algorithms, Thread scheduling, and Case studies: Linux, Windows. A calendar for February 2022 is visible on the right, and a notification says 'Course assignments are not weighted.'

Outcome:

- Easy to track and evaluate student activities which consists of Quizzes, Assignment.
- Students can access materials uploaded by faculty.

Course Instructor
(S.Divya)

CSE-HOD