Use of on-line assessment tools like MOODLE, GOOGLE classroom and KAHOOT.

- Written tests and online exams are used to evaluate assignments and quizzes on the Moodle, Google Class Room (GCR), and KAHOOT platforms.
- The following screenshots from the KAHOOT platform and GCR demonstrate the assignment and assessment in KAHOOT platform and GCR are shown below:

Solve

1. In a database system, unique time stamps are assigned to each transaction using Lamport's logical clock. Let TS(T1) and TS(T2) be the time stamps of transactions T1 and T2 respectively. Besides, T1 holds a lock on the resource R, and T2 has requested a conflicting lock on the same resource R. The following algorithm is used to prevent deadlocks in the database assuming that a killed transaction is restarted with the same timestamp.

if TS(T2) <TS(T1) then
   T1 is killed
else T2 waits.

Assume any transactions that is not killed terminates eventually. Which of the following is TRUE about the database system that uses the above algorithm to prevent deadlocks?

A   The database system is both deadlock-free and starvation- free.
B   The database system is deadlock- free, but not starvation-free.
C   The database system is starvation-free but not deadlock- free.
D   The database system is neither deadlock- free nor starvation-free.

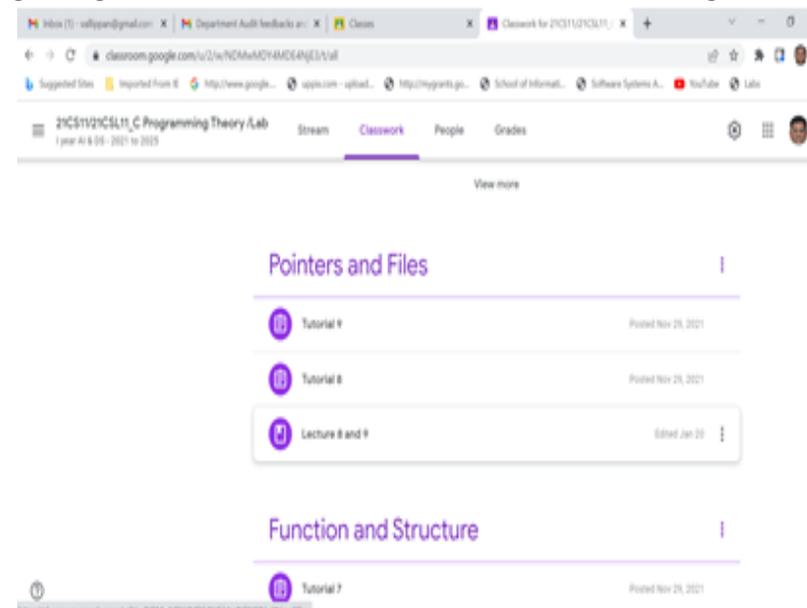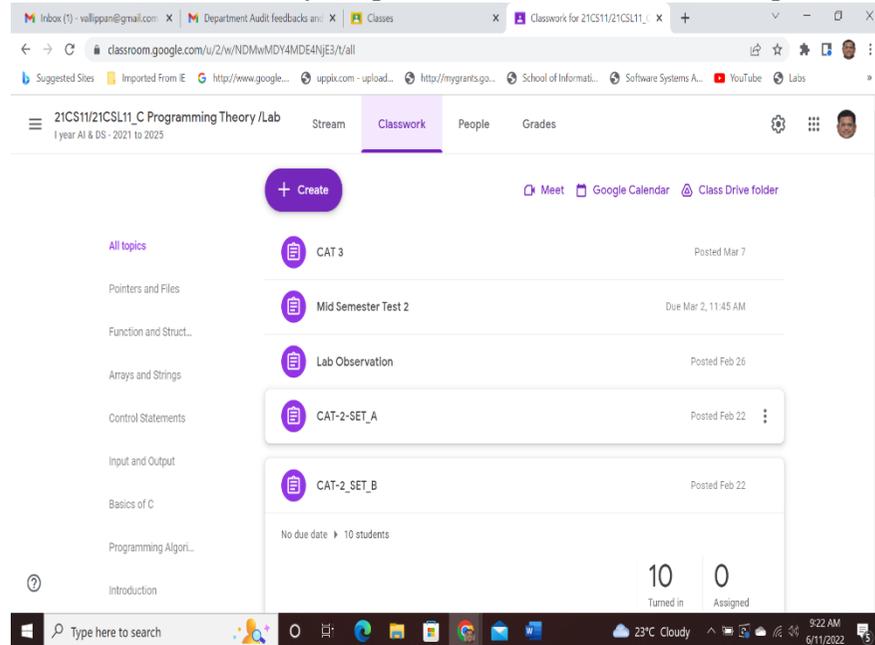90

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Answers

▲ A

◆ D

● C

■ B

Quiz assessment in Kahoot platform for the course
19CI42-Database Management Systems

ICT Tools Adopted

1.   Google Classroom

Accelerate learning with differentiated learning paths for each student with **Classroom**. Helping educators easily manage and deliver performance assessments at no cost. In order to handle communication between students and teachers, Google Classroom combines a number of different Google Applications for Education, including Google Docs, Google Sheets, Google Slides, Gmail, and Google Calendar. A private "class code" can be used to invite students to join a class, or students can be imported automatically from a school domain. Within the Google domain, teachers can create, distribute, and grade assignments. Each class makes a unique folder on the user's Google Drive where students can turn in assignments to be graded by instructors.

Google Calendar is updated with assignments and due dates, and each assignment is given a category or topic. By looking at the modification history of a document, teachers may keep track of each student's development. After grading, teachers can return work with comments and grades.
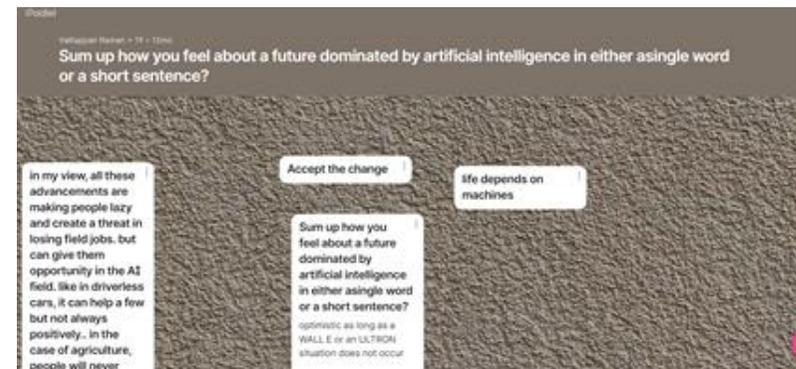

2.   Online compilers

With the aid of online compilers, you may compile source code in a variety of computer languages and run it online. There are numerous online compilers for languages including C, C++, Java, and Python. These online compilers are used by students to run every programme provided in any programming language.
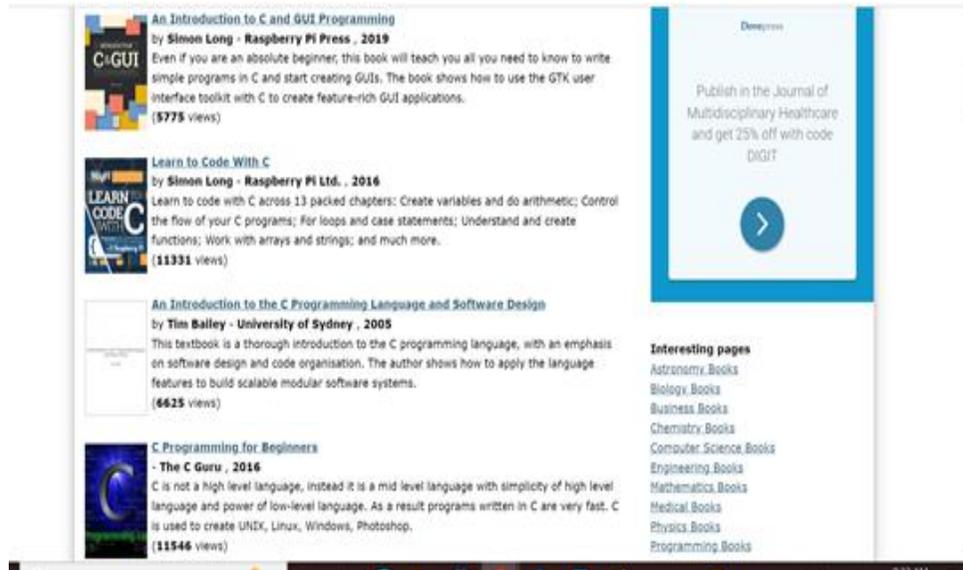

3.   Padlet

On the Padlet platform, you can design one or more walls that can hold all the posts you want to share. This makes an educational environment where professors and students can interact better than it is in the real world. Everything can be shared with a certain group, made public, or kept secret. This is merely one of the features geared at educators that demonstrate how the product was developed with teachers' and students' needs in mind.

4. Digital Library resources

A digital library resource is an internet-accessible library or online database of digital objects, such as text, still photographs, audio, video, documents, or other digital media forms. Digitally reproduced content, such as printed materials or images, as well as digitally created content, such as word processing documents or social networking postings, can both be included in an object. The key advantages of a digital library are instant access to information, a lack of geographical restrictions, resource preservation, real-time interactions, and more.

Coimbatore Institute of Technology,Coimbatore

Department of CSE

List of ICT tools used during the academic year 2020-2021

FACULTY NAME	SUBJECT CODE	SUBJECT NAME	CLASS	SEMESTER	ICT TOOLS USED	LINK
M.Mohanapriya	19CI31	Data Structures and Algorithms-I	II Year	III	Google Classroom Google Meet Presentation Google forms	https://classroom.google.com/c/MTI2NDI1ODI1NjM0 http://www.nptelvideos.in/2012/11/data-structures-and-algorithms.html
M.Mohanapriya	15CS16	Introduction to Compiler Design	IV Year	VII	Google Classroom Google Meet Presentation Google forms	https://nptel.ac.in/courses/106/105/106105190/ https://classroom.google.com/c/MTI2NDI4NDgyNDA5
Mohana D	15CI11	Computer Networks	III YR B.E(CSE) S1	V	Google Classroom Google Meet Presentation Google forms	https://meet.google.com/lookup/gvwgmre3wa?authuser=0&hs=179
Mohana D	15CI11	Computer Networks	III YR B.E(CSE) S1	V	BodhiTree, IIT Bombay	
Mohana D	15CS10	Microprocessors & Interfacing	III YR B.E(CSE) S2	V	Google Classroom Google Meet	https://meet.google.com/lookup/asgj2x33ci?authuser=0&hs=179
A.Priyadharshini	15CI08	Data communication	III YR B.E(CSE)	V	Google classroom Google meet presentation Forms	https://meet.google.com/exz-ynmu-wia?authuser=1&hs=179
A.Punidha	15CI20	Web Technology	IV BE CSE	VII	Google classroom Google meet Google Slide	https://classroom.google.com/u/4/c/MTIyNjUwMTYxODI1

					Google Forms	
A.Punidha	15CI22	Web Programming Laboratory	IV BE CSE	VII	Google classroom Google meet Google Slide Google Forms	https://classroom.google.com/u/4/c/MTIyNjUwMTYyMjA1
K.Amshakala	19CI32	Digital design	II YR B.E CSE	III	Google Classroom Goole meet Google forms	https://classroom.google.com/c/MTQzMDQ2NTA3MDI0 http://meet.google.com/gox-ybsy-dtc https://docs.google.com/forms/d/e/1FAIpQLSfQLRQkLOdSr5IqKvJZi8llK598yrSU4YTDTYiSsvKeSxvf8A/viewform
Navaneeth Kumar K	19MCSE15	Deep Learning	II YR M.E CSE	III	Google meet	https://meet.google.com/lookup/hcqeqy6jtj
	15CS17	Compiler Laboratory	IV YR B.E CSE S2	VII	Google Classroom Google meet	https://classroom.google.com/u/0/c/MTIzMDkzOTU5NTI5 https://meet.google.com/lookup/gogyjajffw?authuser=0&hs=179
	15CS11	Microprocessor Laboratory	III YR B.E CSE S1	V	Google Classroom Google meet	https://classroom.google.com/u/0/c/MTI1ODE4NTA0NjQx https://meet.google.com/lookup/f2kbs6aagk
	19CSL21	C Programming and database	I YR B.E EEE Sec-1	II	Google Classroom	https://classroom.google.com/u/1/c/Njg1NTY2NTQ4NTda
	15CS14	Embedded Systems Laboratory	III YR B.E CSE S2	VI	Google Classroom	https://classroom.google.com/u/1/c/Njg1MjgxMjIxNDla
	15CI09	Data Structures and Algorithms Laboratory	II YR B.E CSE SEC-1	IV	Google Classroom	https://classroom.google.com/u/1/c/Njc3MTg5NTEyNjda
Dr. R. Prabhakar	19CI31	Data Structures and Algorithms - I	II YR B.E CSE	III	Google Classroom Google meet	https://classroom.google.com/u/0/c/MTQyMzIzOTMxNjMy https://meet.google.com/lookup/e5q3skidmm?authuser=0&hs=179
Mr. Karthikeyan G	15IT09	Cloud and Virtualization	III YR B.E CSE S1 & S2	V	Google Classroom Google meet	https://meet.google.com/lookup/dhpbuky5gz?authuser=0&hs=179
Ms.S.Nithya	15CIE05	Digital Forensics	IV BE CSE	VII	Google Classroom	https://meet.google.com/lookup/cjr22jzwgu

					Google meet	https://classroom.google.com/u/0/c/MTcxNDM1OTY3NzEy
	19CI35	Object oriented programming LAb	II BE CSE S1	IV	Google Classroom Google meet	https://classroom.google.com/u/0/c/MTIyOTEwMjYxNjU5 https://meet.google.com/lookup/c52mbnamzp
	19CI34	Digital Design Lab	II BE CSE S2	IV	Google Classroom Google meet	https://classroom.google.com/u/0/c/MTgxMjE3ODQ0NjMw https://meet.google.com/lookup/d6lsipvj2m
Dr,A.Kunthavai		Digital Design	II BE cse S2	IV	Google Classroom google meet presentation	https://meet.google.com/lookup/hm4ecnsb7l?authuser=0&hs=179
						https://classroom.google.com/u/0/c/MTQyMDE3Njc0MzY1
M.Prabhavathy	19CIE12	INFORMATION STORAGE MANAGEMENT	IV BE CSE S1	VII	Google Classroom Google meet	https://meet.google.com/lookup/clb5u22pu2?authuser=1&hs=179
	15CI22	Web Programming Laboratory	IV BE CSE S1	VII	Google classroom Google meet Google Forms	https://meet.google.com/lookup/hou6v3u4th?authuser=1&hs=179
	19CI34	Digital Design Laboratory	II BE CSE S1	IV	Google Classroom Google meet GOOGLE FORMS	https://meet.google.com/lookup/au6y5slpta?authuser=1&hs=179
N.Gayathriy	15ITOE07	Enterprise Resource planning Concepts	Iv CSE sec-2	IV	Google Classroom Google meet GOOGLE FORMS	http://meet.google.com/ejn-wmxp-fhj
G.Priyadharshini	19HSS01	Science of Creativity and Professional Ethics	II BE CSE S2	III	Google Classroom Google Meet Google Forms	Google Classroom Code: es5qkxj ; Gmeet link: https://meet.google.com/lookup/hfjzcrodti?authuser=0&hs=179
	15CS11	Microprocessors Laboratory	III BE CSE S1	V	Google Classroom Google Meet	Google Classroom Code: z2oaukf ; Gmeet link: https://meet.google.com/lookup/f2kbs6a

					Google Forms	agk?authuser=0&hs=179
	15CIE06	Object Oriented Analysis and Design	III BE CSE(CBCS)	VI	Google Classroom Google Forms	Google Classroom: jyit7yq
R Nedunchezhian	19CI31	Data Structures and Algorithms - I	II CSE	III	Google Classroom, Google Meet	
	15CSE03	Customer Relationship Management	II CSE	VI	Google Classroom, Google Meet	
S.Priya	15CS16	Introduction to Compiler Design	IV Year	VII	Google Classroom Google Meet Presentation Google forms	Google Classroom Code: ak5vjlz Meeitng link : https://meet.google.com/ofq-htzy-qsz
	15CS17	Compiler Laboratory	IV YR B.E CSE S1	VII	Google Classroom Google meet	https://classroom.google.com/c/MTQyNzk1MzYxMjU5?cjc=j2miodo