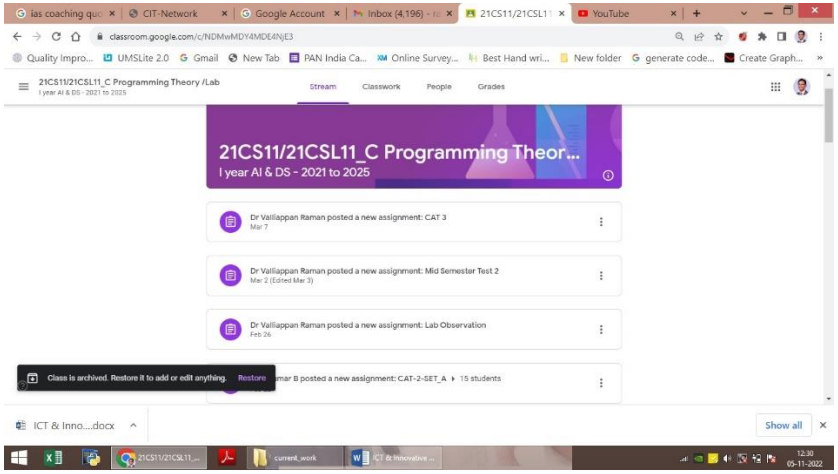
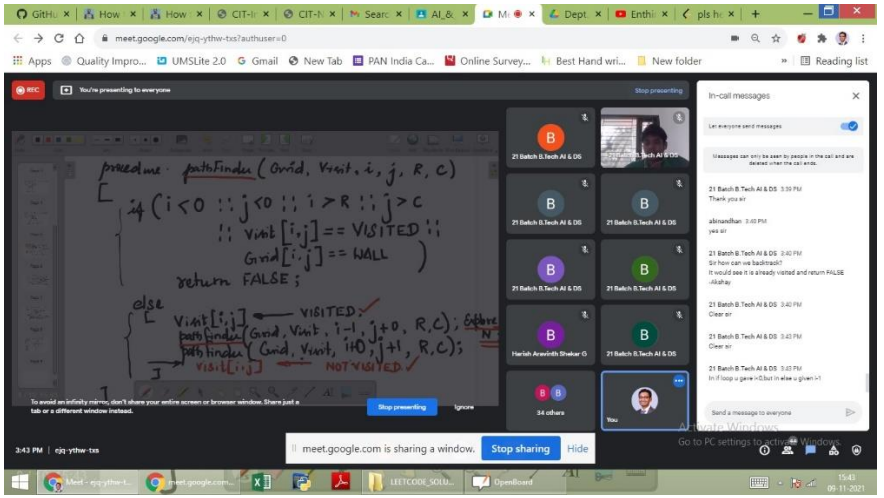
COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE – 641014
DEPARTMENT OF AI & DS
INNOVATION TEACHING PRACTICES AND ICT TOOLS

Innovative Teaching practices

Commencement & Semester	Year	Course Code / Name	Innovative Approach Adopted	Description	Venue
2021-2022 & SEM I	1st Year	21CS11 – C Programming and 21CSL11 – C Programming Laboratory	Flipped Classroom	• Students are encouraged to learn concepts at home. • Classroom sessions are utilized to provide demonstrations / practice the concepts.	Online
		21CS11 – C Programming and 21CSL11 – C Programming Laboratory	Collaborative Lea rning	• In a think-pair-share learning technique, the students are encouraged for reading based question-answer sessions.	Online
		21CS11 – C Programming	Project based learning	• Encouraged to advance their knowledge and horn problem solving ability by offering a few interesting projects relevant to the course.	Online
		21CS11 – C Programming	Jigsaw Method	• In this approach, students are divided into groups. • Each group focusses on a particular assignment topic. • The group completes the assignment task, synthesizes it • Evaluation is based on the group performance.	Online
		21CSL11 – C Programming Laboratory	Question based learning	• In question-based learning, the learner is led by creating and fine-tuning a leading question. • Responses to questions are evaluated and graded	Online / off-line

RELEVANT PROOFS

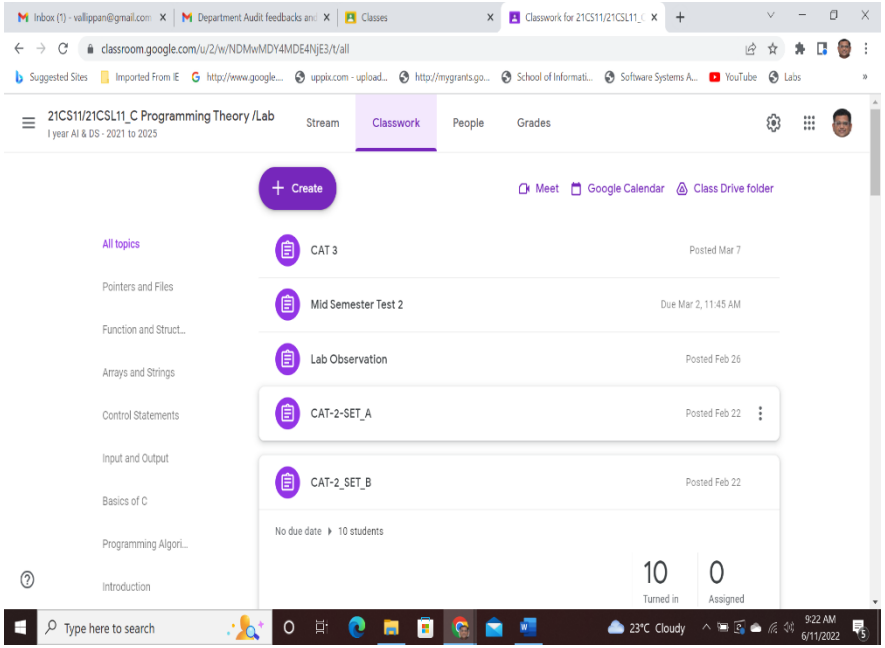
S.No	Course Code / Name	Innovative Approach Adopted	Proof as Pictures
1	21CS11 – C Programming and 21CSL11 – C Programming Laboratory	Flipped Classroom	
2	21CS11 – C Programming and Laboratory	Collaborative Learning	

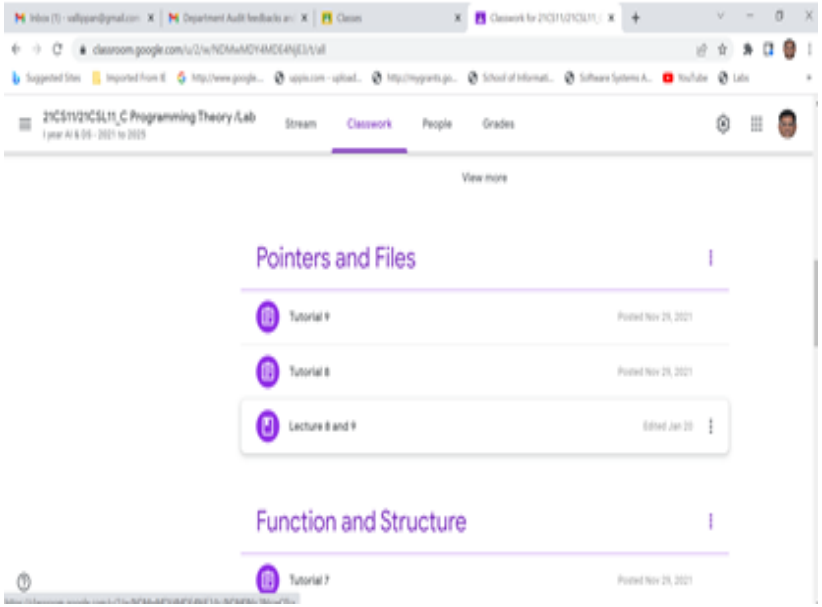
3	21CS11 – C Programming and 21CSL11 – C Programming Laboratory	Project based learning	
4	21CS11 – C Programming	Question-based learning	Conducted quizzes relevant to the course intermittently and evaluated the performance of the students.

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.



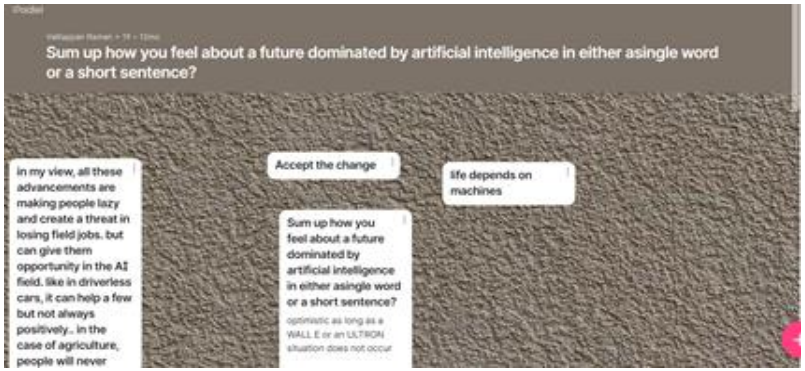


2. Online compilers

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.

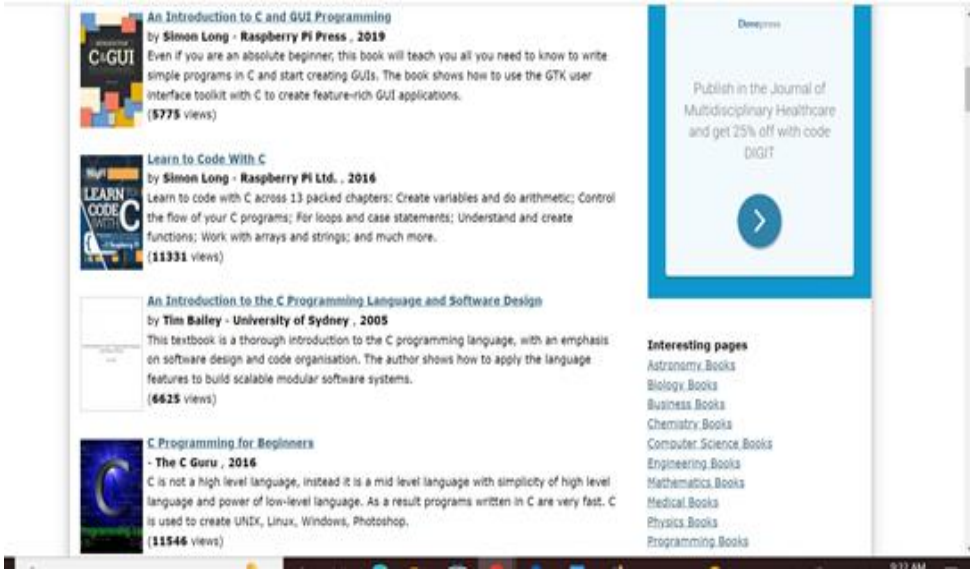
3. Padlet

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.



Teachers use ICT-enabled tools including online resources for effective teaching and learning:

2.3.2 ICT TOOLS USED

S.N	Faculty name	Subject cod	Subject Name	Class	sem	ICT Tools use	Link
1	Mohana D	15CI11	Computer Networks	III YR B.E(CSE	V	Google Classr	https://meet.google.com/lookup/gvwgmre3wa?authuser=0&hs=179
2	Mohana D	15CI11	Computer Networks	III YR B.E(CSE	V	BodhiTree, IIT Bombay	
3	Mohana D	15CS10	Microprocessors & Interfacing	III YR B.E(CSE	V	Google Classr	https://meet.google.com/lookup/asgj2x33ci?authuser=0&hs=179
4	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
5	A.Punidha	15CI20	Web Technology	IV BE CSE	VII	Google classroom Google meet Google Slide Google Forms	https://classroom.google.com/u/4/c/MTIyNjUwMTYxODI1
6	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
9	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
10	Navaneeth Kumar	19MCSE15	Deep Learning	II YR M.E CSE	III	Google meet	https://meet.google.com/lookup/hcqeqy6jtj

						Google Classroom	https://classroom.google.com/u/0/c/MTIzMDkzOTU5NTI5
		15CS17	Compiler Laboratory	IV YR B.E CSE	VII	Google meet	https://meet.google.com/lookup/gogyjajffw?authuser=0&hs=179
						Google Classroom	https://classroom.google.com/u/0/c/MTI1ODE4NTA0NjQx
		15CS11	Microprocessor Laboratory	III YR B.E CSE	V	Google meet	https://meet.google.com/lookup/f2kbs6aagk
		19CSL21	C Programming and database	I YR B.E EE	II	Google Classroom	https://classroom.google.com/u/1/c/Njg1NTY2NTQ4NTda
		15CS14	Embedded Systems Laboratory	III YR B.E C	VI	Google Classroom	https://classroom.google.com/u/1/c/Njg1MjgxMjIxNDla
		15CI09	Data Structures and Algorithms Laboratory	II YR B.E CS	IV	Google Classroom	https://classroom.google.com/u/1/c/Njc3MTg5NTEyNjda
						Google Classroom	https://classroom.google.com/u/0/c/MTQyMzIzOTMxNjMy
11	Dr. R. Prabhakar	19CI31	Data Structures and Algorithms - I	II YR B.E CSE	III	Google meet	https://meet.google.com/lookup/e5q3skidmm?authuser=0&hs=179
						Google Classroom	https://meet.google.com/lookup/dhpbuky5gz?authuser=0&hs=179
12	Mr. Karthikeyan G	15IT09	Cloud and Virtualization	III YR B.E C	V	Google meet	
						Google Classroom	https://meet.google.com/lookup/cjr22jzwqu
13	Ms.S.Nithya	15CIE05	Digital Forensics	IV BE CSE	VII	Google meet	https://classroom.google.com/u/0/c/MTcxNDM1OTY3NzEy
						Google Classroom	https://classroom.google.com/u/0/c/MTIyOTEwMjYxNjU5
		19CI35	Object oriented programming LAb	II BE CSE S1	IV	Google meet	https://meet.google.com/lookup/c52mbnamzp
						Google Classroom	https://classroom.google.com/u/0/c/MTgxMjE3ODQ0NjMw
		19CI34	Digital Design Lab	II BE CSE S2	IV	Google meet	https://meet.google.com/lookup/d6lsipvj2m
14	Dr,A.Kunthavai		Digital Design	II BE cse S2	IV	Google Classr	https://meet.google.com/lookup/hm4ecnsb7l?authuser=0&hs=179
							https://classroom.google.com/u/0/c/MTQyMDE3Njc0MzY1
15	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
16	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
17	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 Forms	Google Classroom Code: z2oaukf ; Gmeet link: https://meet.google.com/lookup/f2kbs6aagk?authuser=0&hs=179
		15CIE06	Object Oriented Analysis and Design	III BE CSE(CB	VI	Google Classroom Google Forms	Google Classroom: jyit7yq
18	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	
19	S.Priya	15CS16	Introduction to Compiler Design	IV Year	VII	Google Classr	Google Classroom Code: ak5vjlz Meeitng link : https://meet.google.com/ofq-htzy-qsz

15CS17	Compiler Laboratory	IV YR B.E CSE	VII	Google Classroom Google meet	https://classroom.google.com/c/MTQyNzk1MzYxMjU5?cjc=j2miodo

Department of CSE

JUN_2021 to Dec 2021 Jan 2022-May2022

Faculty name	Subject c	Subject Name	Semeste	Google Classroom
S.Saranya Rubini	19CS51	Unix Internals	5	https://meet.google.com/lookup/hsnddib7urclass code: bq33sod
	19CI41	Data Structures and Algo	4	class code: sfcqj4y
	19CI43	Computer Architecture	4	class code: c6agd3v
S.Ravisankar	15CI20	Web Technology	7	https://meet.google.com/lookup/fd6qmvj6ei
	15CIE11	Internet of Things	8	Class Code : qfrl76u
Karthikeyan G	15CIE13	Software Metrics and Mea	8	https://meet.google.com/rry-pjuj-sbh
K.N Apinaya Prethi	19CI45	Software Engineering	4	https://classroom.google.com/u/1/c/NDc0ODI1MjE2MjA3
	19MCS23	Database Engineering	2	https://classroom.google.com/u/1/c/MzcxODg2MjEzNDEy
G.Priyadharshini	15IT06	Software Testing and Qua	7	https://meet.google.com/qth-eagz-ona Google Classroom Code: v4shuyu
	19CS61	Internet of Things and its	6	https://classroom.google.com/c/NDY4MjcyNjE2Njgy?cjc=aky3skc
S.Saranya	19MCSE	Computer Vision	2	https://classroom.google.com/c/Mzc0OTE0NTAwNTgw?cjc=ju3ev5b
	19CSL12	Python Theory	1	https://classroom.google.com/c/MzgxMDQzNjU0MTg3?cjc=zlttd5r
	19CS62	Machine Learning	6	https://classroom.google.com/c/NDc1MTQyNTAzNzk0?cjc=jbwfiqz
D. Mohana	15CIE13	Wireless Sensor Network	7	https://meet.google.com/pjs-sbha-grd
	19CI51	Computer Networks	5	https://meet.google.com/tep-eoqq-xco
	19CI53	Embedded Systems	6	https://meet.google.com/znk-cdzd-mrp
	19CI43	Computer Architecture	4	https://meet.google.com/sgr-ijov-noz
M.Maranco	19IT61	Mobile Computing	6	https://meet.google.com/osj-ajcb-ghx
	19CIE06	DIGITAL FORENSICS	5	https://meet.google.com/ieq-muys-gda
	19HSS01	SCIENCE OF CREATIVI	3	https://meet.google.com/rra-cbdv-gfw
K.Amshakala	19CS62	Machine Learning	6	https://classroom.google.com/c/NDc0NzM2MzI2MjY2
	19CS21	C Programming	2	https://classroom.google.com/c/NDk1NjAwODk1MzYw
R.Saveeth	15CIE01	Graphics and Multimedia	7	https://classroom.google.com/u/0/c/MzcyMDk2NjkyNDM4
	19CI42	Database Management S	4	https://classroom.google.com/u/0/c/NDY4MDA2OTc4MzYy
Punidha A	15CI20	Web Technology	7	https://classroom.google.com/c/Mzc1MTEyMzI1OTQx?cjc=2yagqug
S.Sangeetha Marian	15CI19	Cryptography and Networ	8	https://classroom.google.com/c/NDc0ODI1OTE4NzY2?cjc=4wbcriy
	19CIE14	Object Oriented Analysis	6	https://classroom.google.com/c/NDc3NTM1NjM2MjQ4?cjc=otdeamh