



Sai

# SAI RAM ENGINEERING COLLEGE

*An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi*

*Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution*

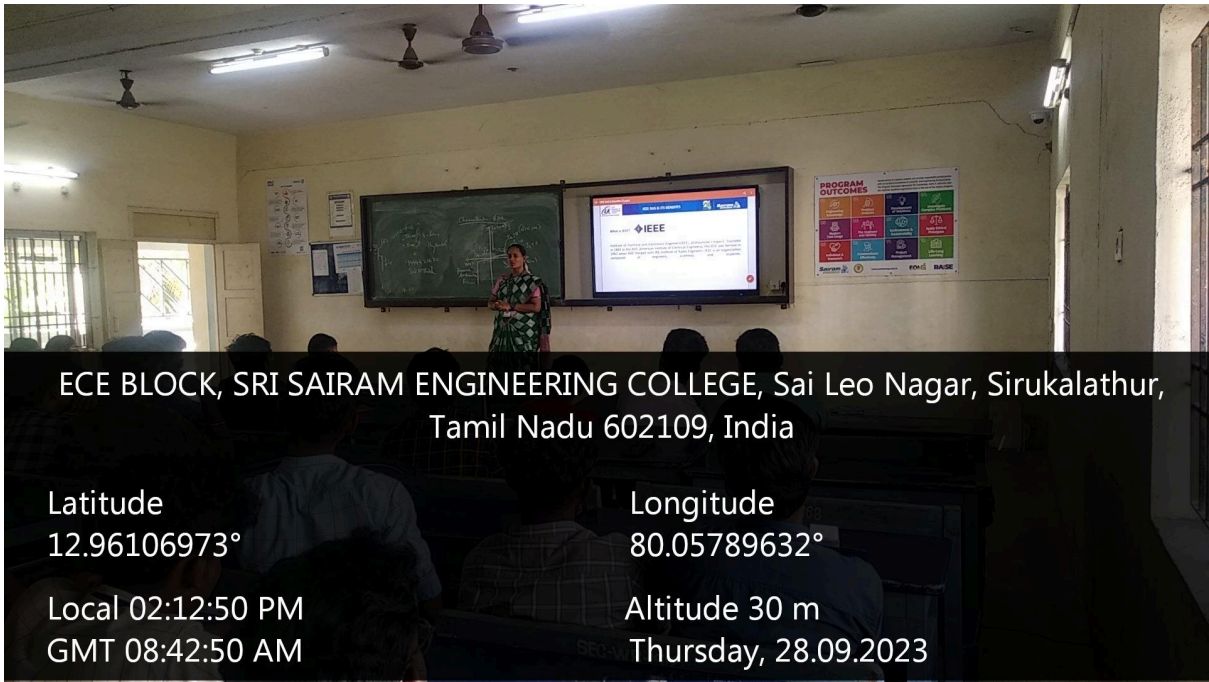
Sai Leo Nagar, West Tambaram, Chennai - 600 044. [www.sairam.edu.in](http://www.sairam.edu.in)



## 2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process

### Outline of ICT tools Used in Class Rooms

- i) ICT enabled photo of classroom with details
- ii) Google classroom content
- iii) E content of a good sample
- iv) Sail app
- v) Virtual labs
- vi) Skillrack
- vii) Self study-nptel modules screenshot
- viii) Videoclass
- ix) Quiz using Google classroom or any other platform
- x) Mentimeter
- xi) Google colab
- xii) Online coding/circuit simulating website



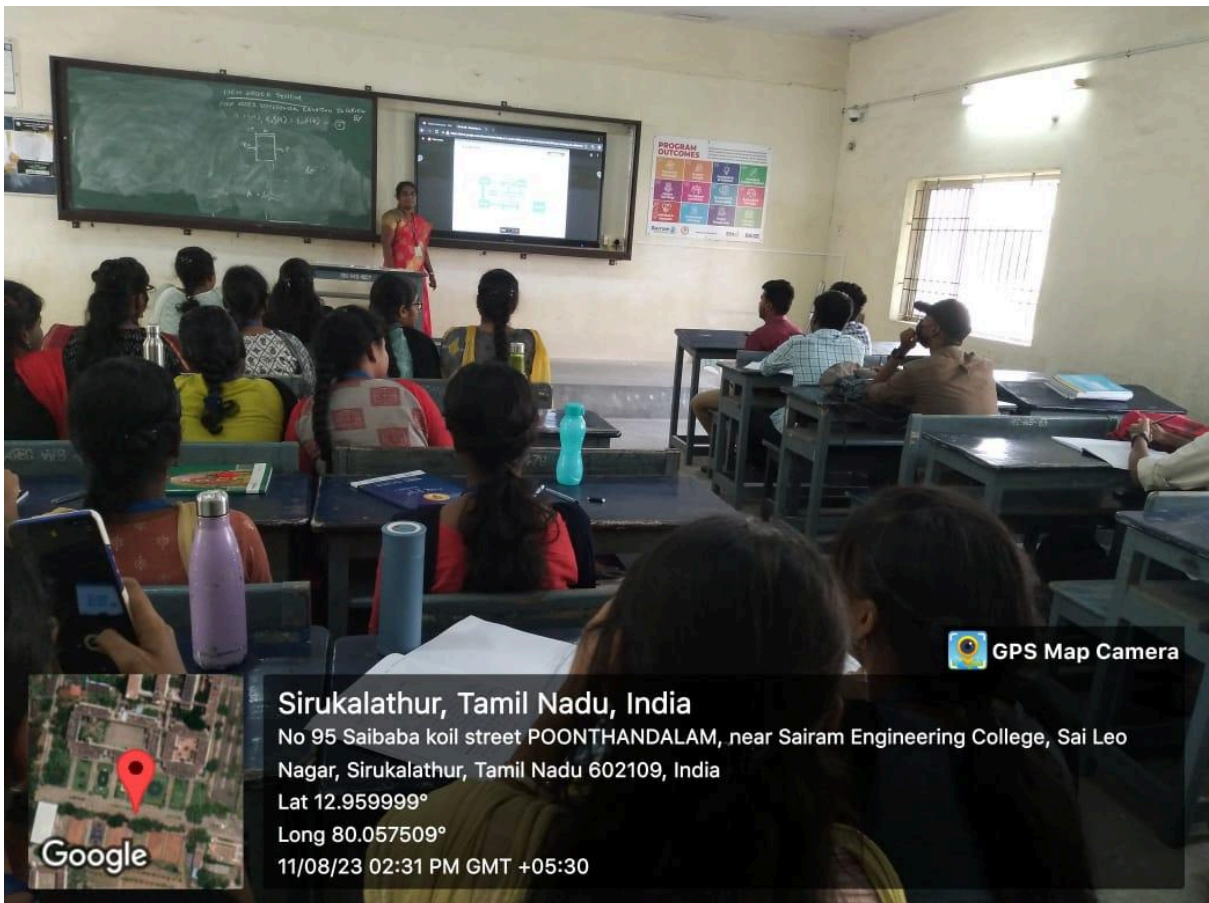
ECE BLOCK, SRI SAIRAM ENGINEERING COLLEGE, Sai Leo Nagar, Sirukalathur,  
Tamil Nadu 602109, India

Latitude  
12.96106973°

Longitude  
80.05789632°

Local 02:12:50 PM  
GMT 08:42:50 AM

Altitude 30 m  
Thursday, 28.09.2023



**Sirukalathur, Tamil Nadu, India**  
No 95 Saibaba koil street POONTHANDALAM, near Sairam Engineering College, Sai Leo  
Nagar, Sirukalathur, Tamil Nadu 602109, India  
Lat 12.959999°  
Long 80.057509°  
11/08/23 02:31 PM GMT +05:30

GPS Map Camera

# ODD SEM

## Google classroom content

### PROBLEM SOLVING AND PROGRAMMING IN C

The screenshot shows a Google Classroom interface for a course named 'SECCS2026A-ODD(2022-2026)'. The current page is for 'unit 4', posted by 'Susitra K' on July 4. The page displays six PDF materials:

- 4.1 ANALYSIS OF ASYNCHR... PDF
- 4.2.Design of asynchronous ... PDF
- 4.3 REDUCTION OF STATE T... PDF
- 4.4 Reduction of Flow- table... PDF
- 4.5 RACE FREE STATE ASSIG... PDF
- 4.6 HAZARDS.pdf PDF

Below the materials is a 'Class comments' section with an 'Add class comment...' input field. At the bottom right, there is a 'Activate Windows' watermark.

The screenshot shows a Google Classroom interface for a course named 'SECEC2026A- EVEN'. The current page is for 'UNIT 3', posted by 'Susitra K' on Jan 20. The page displays five Word documents:

- 3.1 Introduction to Arrays... Word
- 3.2 Two dimensional arra... Word
- 3.3 String operations\_ le... Word
- 3.4 Sorting - Types -Sele... Word
- 3.5 Searching - linear an... Word

Below the documents is a 'Class comments' section with an 'Add class comment...' input field. At the bottom right, there is a 'Activate Windows' watermark. The browser address bar shows a Google Drive link: [https://drive.google.com/file/d/1kipu26y6hZ\\_PiqjANxwO9lgPUHGVDGnA/view/usp...](https://drive.google.com/file/d/1kipu26y6hZ_PiqjANxwO9lgPUHGVDGnA/view/usp...)

# LAB

The screenshot shows a Google Classroom interface for the course '20ESPL101- Programming in C Laboratory'. The page is viewed from the 'Classwork' tab. On the left, a sidebar lists various topics. The main content area features two announcements by 'Susitra K':

- Announcement 1:** 'Susitra K posted a new material: lab manual'. Posted on Nov 22, 2022. The text says 'full manual for the reference'. Below the text is a document icon labeled 'Lab manual.docx' with a 'Word' label.
- Announcement 2:** 'Susitra K posted a new material: LAB EXPERIMENTS 1 - 5'. Posted on Nov 7, 2022. The text says 'C programming lab experiments'. Below the text is a document icon with a URL: [https://drive.google.com/file/d/13mcNRlbVzC1hZeknpsGnIFZY84EDw/view?usp=drive\\_web&authuser=0](https://drive.google.com/file/d/13mcNRlbVzC1hZeknpsGnIFZY84EDw/view?usp=drive_web&authuser=0).

At the bottom of the page, there is a taskbar with Windows icons and a system tray showing the time as 09:57 on 13-07-2023. An 'Activate Windows' watermark is visible on the right side of the page.

The screenshot shows a Google Classroom interface for the course '20HSMC501-UHV2'. The page is viewed from the 'Classwork' tab. The main content area displays a list of materials:

- UNIT 5 NOTES** - Posted Nov 8, 2022
- unit 3 & 4 notes - questionbank** - Posted Oct 13, 2022
- UNIT 2 MATERIALS** - Posted Sep 8, 2022
- TEXT BOOK** - Posted Sep 8, 2022
- Practice session-II** - Due Sep 7, 2022
- Practice Session - I (observe and Analyze)** - Due Sep 6, 2022
- UNIT 1 NOTES** - Posted Aug 21, 2022

At the bottom of the page, there is a taskbar with Windows icons and a system tray showing the time as 02:18 PM on 12-07-2023.

Inbox (3,201) - Ramya.cse@sair... x Classwork for SECCS2024B - EVE... x EVEN - Google Drive x CSE\_2,3,1 (1).xlsx - Google Shee... x +

classroom.google.com/w/MzgxMDUwMDYwODAz/t/all

SECCS2024B - EVEN(2022-2023)  
III YEAR / VI SEM B SEC

Stream Classwork People Grades

## 20HSMC501-UHV2

UNIT 5 NOTES Posted Nov 8, 2022

L 22 Sum Up and Progra... PowerPoint	L 23 Natural Acceptanc... PowerPoint
L 24 Definitiveness of (E... PowerPoint	L 25 A Basis for Humane... PowerPoint
L 26 Holistic Developme... PowerPoint	L 27 Holistic Technologi... PowerPoint

View material

unit 3 & 4 notes - questionbank Posted Oct 13, 2022

02:18 PM  
12-07-2023

**Universal Human Values Handout 2**  
**Understanding Harmony in the Society**

So far, we have explored harmony in the human being and harmony in the family. In the sequence, the next level of living for a human being is society. We can see very much see that we can conceive of a society only if it has families living together in a relationship of mutual fulfillment otherwise it is just like a crowd or battlefield.

**What is Desirable and Where are we today?**

Families living together, in a relationship of mutual fulfillment (common goal)  
**Society**

People living together, but not in relationship of mutual fulfillment (differing goals)  
**Crowd**

People living separately, in opposition / struggle (conflicting goals)  
**Battlefield**

**We will explore harmony in society** – The base of harmony in society is harmony in family for which the base is harmony in human being

**Understanding Human Goal**  
The goals of human being living in a society can be articulated as shown below:

**Harmony in the Society (समाज में व्यवस्था)**

**Human Goal**

Right Understanding & Right Feeling	Prosperity	Fearlessness (Trust)	Co-Existence (mutual fulfillment)
-------------------------------------	------------	----------------------	-----------------------------------

Sail app

Spreadsheet shared with you: x CSE\_2.3.1 (1).xlsx - Google Sh... x New Tab x SAIL MENTOR - Sri Sairam Eng... x SAIL | Assessment x

sailmentor.sairam.edu.in/myAssessment.html

Powered by Edwisely

Hello, **SUSITRA K.**

- Dashboard
- Your Courses
- Assessments**
- Live Assessments
- Live Survey
- Live Class
- Notify
- Feedback
- Weekly Challenge
- Faculty-Student Allocation
- Faculty Semester Feedback
- Coding Assessment

2023-02-17 16:00:00	Unit4	Problem So... ⓪	Q-10 ⓪	Resend	View Feedback	View Results →	
2023-01-13 10:10:00	Unit 3	Problem So... ⓪	Q-10 ⓪	Resend	View Feedback	View Results →	
2022-12-30 11:00:00	Arrays ece	Problem So... ⓪	Q-10 ⓪	Resend	View Feedback	View Results →	
2022-12-30 11:00:00	Arrays	Problem So... ⓪	Q-10 ⓪	Resend	View Feedback	View Results →	
2022-12-21 08:00:00	Unit 2	Problem So... ⓪	Q-15 ⓪	Resend		View Results →	
2022-12-02 08:45:00	Unit test 1	Problem So... ⓪	Q-15 ⓪	Resend		View Results →	
2022-12-02 08:00:00	Unit test 1	Problem So... ⓪	Q-15 ⓪	Resend	View Feedback	View Results →	
2022-11-23 18:00:00	Unit 1	Problem So... ⓪	Q-35 ⓪	Resend	View Feedback	View Results →	

Activate Windows  
Go to Settings to activate Windows.

10:03 13-07-2023

Folder sh... x Password x ODD - Go... x Untitled d... x CSE - Sc... x sail mento... x SAIL MEN... x SAIL | Ass... x prod.creat... x

sailmentor.sairam.edu.in/myAssessment.html

Powered by Edwisely

Hello, **Ms R. A. Kalpana**

- Dashboard
- Your Courses
- Assessments**
- Live Assessments
- Live Survey
- Live Class
- Notify
- Feedback
- Weekly Challenge
- Faculty-Student Allocation
- Faculty Semester Feedback
- Coding

2023-04-24 09:00:00	DBMS_MCQ	Database M... ⓪	Q-20 ⓪	Resend		View Results →	
2022-11-28 11:30:00	TOC_UNIT IV	Theory of ... ⓪	Q-10 ⓪	Resend		View Results →	
2022-11-28 18:00:00	TOC_UNIT V	Theory of ... ⓪	Q-10 ⓪	Resend		View Results →	
2022-11-28 18:00:00	TOC_UNIT V	Theory of ... ⓪	Q-10 ⓪	Resend		View Results →	
2022-09-16 15:39:32	Theory of Compu... ⓪	Theory of ... ⓪	Q-10 ⓪		Edit	Send →	
2022-09-16 15:50:00	Theory of Compu... ⓪	Theory of ... ⓪	Q-10 ⓪	Resend		View Results →	
2022-09-13 20:00:00	Theory of Compu... ⓪	Theory of ... ⓪	Q-10 ⓪	Resend		View Results →	

Type here to search

32°C Mostly cloudy ENG US 10:59 AM 12-Jul-23

Folder: x Password: x ODD - C x Untitled x CSE - Si x sail me x SAIL ME x SAIL | A x prod.cre x prod.cre x +

prod.createtest.edwisely.com/facultytestdashboard?test\_id=23553&token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1Ni9yY1c2YyX2lkIjoyMjU2LjIibWVpbiC16mt...

← TOC..UNIT V Nov 28th 2022, 11:13 am Download

Answers Result Analytics

Submission Types

Interrupted Timelapse Tab Change Probable fluke

Section: All

Student	Result (%)	Section	Time Spent	View
HARSHITHA M SEC20CS005	70	seccs2024a	2 mins	→
BUGATHA VENKATA RISHITHA SEC20CS049	100	seccs2024a	10 mins	→
JEDIDIAH SAMUEL D S SEC20CS061	80	seccs2024a	10 mins	→
HARISHANKAR M SEC20CS065	90	seccs2024a	35 mins	→
JAYA PRAKASH K SEC20CS068	100	seccs2024a	23 mins	→

Type here to search 32°C Mostly cloudy 10:59 AM 12-Jul-23

Folder shared with you: "NAAC" x ODD - Google Drive x SAIL MENTOR - Sri Sairam Engin x SAIL | Assessment x +

sailmentor.sairam.edu.in/myAssessment.html

Powered by Edwisely

Hello, Ms N. Ramya

2023-03-21 12:30:00	UNIT 1	Design and...	Q-11	Resend	View Feedback	View Results →
2022-12-09 12:15:00	UHV - UNIT 5	Universal ...	Q-20	Resend	View Feedback	View Results →
2022-12-08 14:00:00	UHV - UNIT 5	Universal ...	Q-20	Resend	View Feedback	View Results →
2022-11-14 10:31:06	UNIT 4 UHV	Universal ...	Q-0			Add →
2022-11-14 11:00:00	UNIT 3- UHV	Universal ...	Q-25	Resend	View Feedback	View Results →
2022-11-07 10:00:00	UHV UNIT - II	Universal ...	Q-10	Resend	View Feedback	View Results →
2022-10-31 18:00:00	unit 1	Universal ...	Q-10	Resend	View Feedback	View Results →
2022-09-11 19:27:09	unit 1 revision	Universal ...	Q-10		Edit	Send →

01:55 PM 12-07-2023

UHV - UNIT 5  
Dec 9th 2022, 12:02 pm

Answers Result Analytics

Submission Types

Interrupted Timelapse Tab Change Probable fluke

Section : All

Student	Result (%)	Section	Time Spent	View
DHARSHINI S SEC20CS006	25	seccs2024b	6 mins	→
SHREYA S SEC20CS009	90	seccs2024b	8 mins	→
KANGO SAI TEJASWI SEC20CS010	40	seccs2024b	3 mins	→
KARUNYA S SEC20CS011	40	seccs2024b	4 mins	→
P S NAVINA SHRI SEC20CS022	55	seccs2024b	9 mins	→
SUDARSHAN K SEC20CS026	70	seccs2024b	12 mins	→
HARINA P SEC20CS027	65	seccs2024b	8 mins	→
AKILANDESWARI K SEC20CS029	25	seccs2024b	64 mins	→

01:55 PM  
12-07-2023

Online coding/circuit simulating website

ONLINE MASM TOOL

Print RAM size and System date using Online MASM

SINDUJA H SEC 2020 20/20

NAME : SINDUJA H  
ID : SEC20CS064

SYSTEM DATE

```

C:\DATE.ASM
ASSUME CS:CODE,DS:DATA
DATA SEGMENT
MESS DB 0DH,0AH,'SYSTEM DATE IS:',0DH,0AH,'$'
DATA ENDS
CODE SEGMENT
START: MOV AX,DATA
MOV DS,AX
LEA DX,MESS
MOV AH,09H
INT 21H
MOV AH,20H
INT 21H
PUSH CX
MOV CX,0
MOV CL,01
PUSH CX
MOV CL,01
PUSH CX
MOV CL,01
PUSH CX
MOV DX,0
DISPLAY MONTH
MOV AX
MOV AX

```

Files  
Turned In on Oct 26, 2022, 10:43 AM  
See history

mpmc assignment 2...

Grade  
20/20

Private comments  
Add private comment...  
Post

12:37 PM  
10-07-2023



EVEN SEM

Sail app

Powered by Edwisely

Hello, Ms R. A. Kalpana

### Your Assessments

Home > Your Assessment

Create New Assessment

Objective Subjective

Date	Course	Section	Q-Count	Action
2023-04-25 14:15:00	NPTEL Assignment...	Database M... ○	Q-20 ○	Resend
2023-04-24 09:00:00	DBMS_MCQ	Database M... ○	Q-20 ○	Resend
2022-11-28 11:30:00	TOC_UNIT IV	Theory of ... ○	Q-10 ○	Resend
2022-11-28 18:00:00	TOC_UNIT V	Theory of ... ○	Q-10 ○	Resend
2022-11-28 18:00:00	TOC_UNIT V	Theory of ... ○	Q-10 ○	Resend

### NPTEL Assignment Test (1,2,3)

Apr 25th 2023, 10:42 am

Answers Result Analytics

Submission Types

- Interrupted
- Timelapse
- Tab Change
- Probable fluke

Section: All

Student	Result (%)	Section	Time Spent	View
RISHIKESH BALU M SEC21CS005	90	seccs2025a	4 mins	→
KARTHIC KAVITHA CHINNAIYAN SEC21CS011	75	seccs2025a	10 mins	→
SRILAKSHMI P SEC21CS012	65	seccs2025a	3 mins	→
MOKSHIKA T SEC21CS018	75	seccs2025a	30 mins	→
AISHWARYA V SEC21CS022	85	seccs2025a	7 mins	→

# Google classroom content

SECCS2025B-EVEN(2022-23)

Stream **Classwork** People Grades

## 20ITPC401 - DESIGN AND ANALYSIS OF ALG...

- UNIT 3 REMAINING NOTES (Posted Jun 20)
- UNIT 5 NOTES & QUESTION BANK (Posted Jun 20)
- UNIT 4 - NOTES (Posted May 17)
- UNIT 2 - REMAINING TOPICS (Posted May 17)
- UNIT 3 -NOTES (Posted May 17)
- UNIT 2 - NOTES (Posted Apr 10)
- UNIT 1 -NOTES (Posted Mar 27)
- SYLLABUS (Posted Mar 27)

SECCS2025B-EVEN(2022-23)

Stream **Classwork** People Grades

## 20ITPC401 - DESIGN AND ANALYSIS OF ALG...

- UNIT 3 REMAINING NOTES (Posted Jun 20)
- UNIT 5 NOTES & QUESTION BANK (Posted Jun 20)**
  - 5.1 Lower Bound Argum... PDF
  - 5.2 Backtracking\_ N-Q... PDF
  - 5.3 Hamiltonian Circuit ... PDF
  - 5.4 Subset-Sum Proble... PDF
  - 5.5 BRANCH AND BOUN... PDF
  - 5.6 ASSIGNMENT PROB... PDF

View material

# Sail app

13:38

VoLTE 4G+ 76



# Python Programming Test-2

[Download](#)

Jun 6th 2023, 8:01 am

Answers

**Result**

Analytics

## Submission Types



Interrupted



Timelapse



Tab Change



Probable fluke

Section :

All



Student	Result (%)	Section	Time Spent	View
BHAVADHARENE M SEC22EC086	72	secec2026b	12 mins	
MADHUVADHANI M SEC22EC124	64	secec2026b	12 mins	
DEEPIKA D SEC22EC130	64	secec2026b	5 mins	
HARSHNI A SEC22EC138	64	secec2026b	6 mins	

## Visualization tool for sorting

The screenshot shows a Google Classroom interface for a course named 'SECEC2026A - EVEN'. The assignment is 'Program to Visualize Insertion Sort, Selection Sort, Merge sort' worth 30 points. The submission overview shows 0 turned in, 0 assigned, and 63 graded. A table lists students and their submission status:

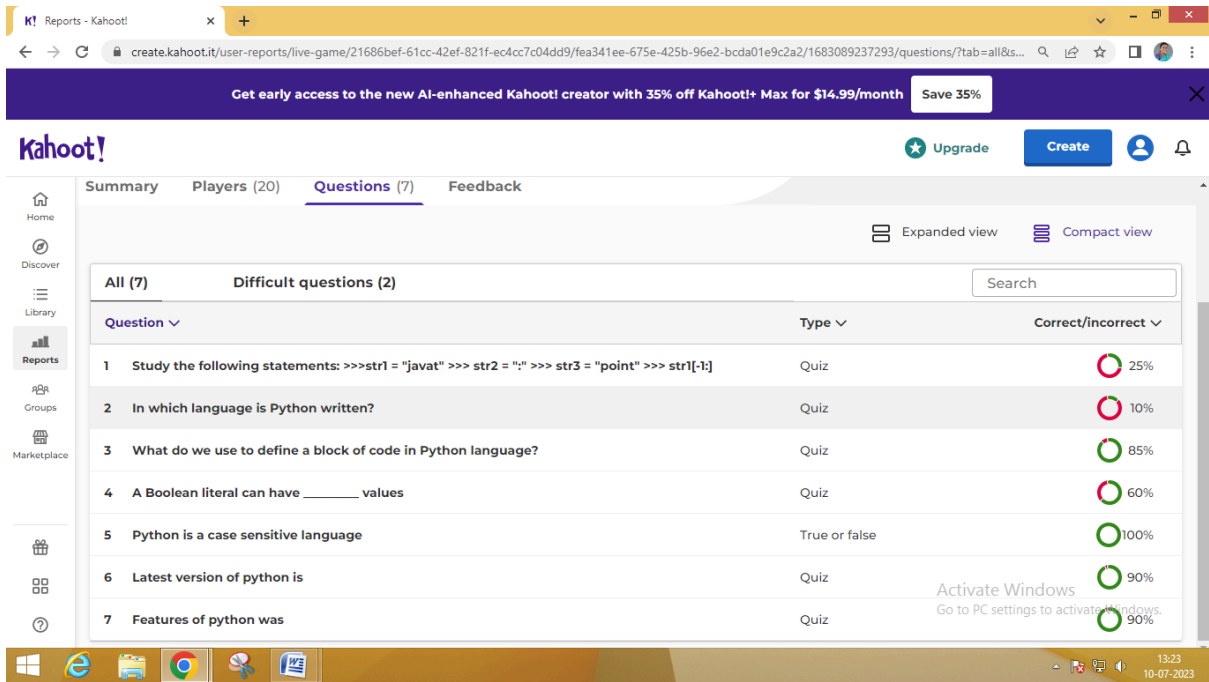
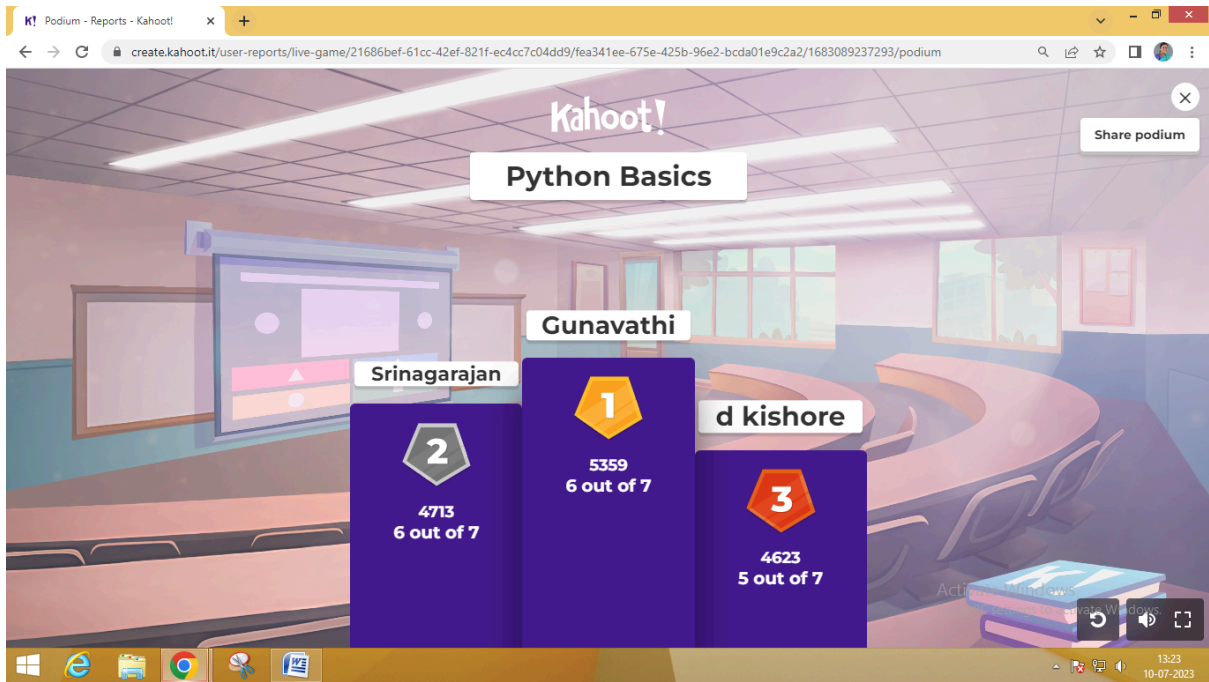
Student	Points	Status
ADELIN DONA E 2022-2026	30	Not turned in
AHAMED A 2022-2026	0	Not turned in
BATHRISARAN S 2022-2026	0	Not turned in
BISWAJIT GHATUARY 2022-2026	30	Not turned in
CHARAN K 2022-2026	0	Not turned in

The main area displays a grid of student submissions. For example, ADELIN DONA E has submitted a 'program.pdf' which is graded. Other students like AHAMED A and BATHRISARAN S have no attachments graded. BISWAJIT GHATUARY has a submission with ID 20230608\_111640 (3 ...) which is graded.

The screenshot shows a student's submission of a PDF titled 'program.pdf'. The PDF content displays a bar chart for 'Selection Sort' with the following data points: 3, 8, 10, 14, 15, 24, 30, 31, 34, 35, 37, 43, 49, 50. The chart shows a series of bars of increasing height, with a red vertical bar on the right side. The PDF also includes a 'LOGIN' button and a 'Page 1 / 2' indicator. The right sidebar shows the file 'program.pdf' turned in on Jun 8, 9:00 PM, with a grade of 30/30 and a 'Post' button for private comments.

Quiz using Google classroom or any other platform

# KAHOOT



Google classroom content

5.3 - White box testing - Basis path testing, Control structure testing - Co... .PPTX

File Edit View Insert Format Slide Arrange Tools Help

Replace image | Format options | Animate

1

2

3

4

Click to add speaker notes

Activate Windows  
Go to PC settings to activate Windows.

5.3 - White box testing - Basis path testing, Control structure testing - Co... .PPTX

File Edit View Insert Format Slide Arrange Tools Help

Background | Layout | Theme | Transition

4

5

6

Click to add speaker notes

Activate Windows  
Go to PC settings to activate Windows.

Inbox (7,409) - gurusubramani.c... II / IV - 20CSPC403 - OBJECT OR... SAIL MENTOR - Sri Sairam Engin... +

classroom.google.com/w/NTI4NDkzNDkzMjcz/tc/NTk3MjMjM0OTA5OTM3

SECCS2025B-EVEN(2022-23) Stream Classwork People Grades







## II / IV - 20CSPC403 - OBJECT ORIENTED SOFT... :

All topics

- 20ITPC401 - DESIG...
- 20BSMA402 PROBA...
- 20CSPC401-OPERA...
- Introduction To Dat...
- II/IV - 20CSPW401 - ...
- II/III-20CSPL402-DB...
- II / IV - 20CSTP401 - ...
- II / IV - 20CSPC403 - ...**
- II / IV-20CSTE401-LI...
- II/III-20MGMC301-C...

Gurusubramani S posted a new material: OOSE - UNIT - II MATERIALS

Posted Apr 5

 2.1 Software Requiremen... PowerPoint	 2.2 User requirements, S... PowerPoint
 2.3 Slides - Software Req... PowerPoint	 2.4 Requirement Enginee... PowerPoint
 2.5 REQUIREMENT ELICIT... PowerPoint	 2.6 -REQUIREMENT VALIDA... PowerPoint

Add class comment...

14:35 12-07-2023

Inbox (7,409) - gurusubramani.c... II / IV - 20CSPC403 - OBJECT OR... SAIL MENTOR - Sri Sairam Engin... +


classroom.google.com/w/NTI4NDkzNDkzMjcz/tc/NTk3MjMjM0OTA5OTM3

SECCS2025B-EVEN(2022-23) Stream Classwork People Grades

- II/III-20CSTP301-SK...
- 20CSTE301-LIVE IN ...
- II/III-20CSPL301-OB...
- II/III-20ITPL301-DAT...
- II/III-20ITPC303-CO...
- II/III-20ESEC301-CO...
- II/III-20CSPC301-OB...
- II/III-20BSMA304-S...
- II/III-20ITPL301-DAT...

Gurusubramani S posted a new material: 1.2 PPT





Posted Mar 15

 softwareprocessppt.ppt...  
PDF

Add class comment...

Gurusubramani S posted a new material: OOSE UNIT - I

Posted Mar 15

 1.1 Introduction to softw... PDF	 1.1 Introduction to softw... PDF
 1.2 - Software Process.d... PDF	 1.2 Software Process.doc... PDF

14:36 12-07-2023