



Sri Sai VidyaVikasShikshanaSamithi ®
SAI VIDYA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

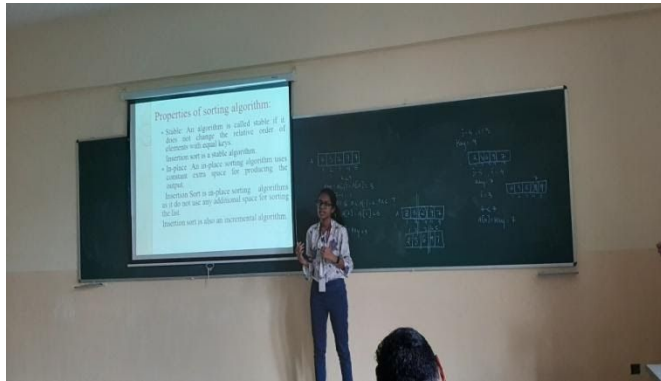
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Phone: 080-28468191/96/97/98 * E-mail: info@saividya.ac.in * URL www.saividya.ac.in

ACTIVITY REPORT

Initiatives	
Activity Title	Seminar
Coordinator name	Mamatha A
Course & Course Code	Design and Analysis of Algorithms – 18CS42
Date	09/02/2020-30/05/2020
Intended Students	4 th Sem
Topic covered	Module I to V(Selected Topics)

Implementation	
Number of Students attended	71
Description	<ul style="list-style-type: none">• All the students are asked to prepare for the topics assigned.• Students prepared the power point presentation and presented the same in the class/online class through ZOOM APP• Students were asked to explain the problem statement, algorithm, analysis and program/ an example with respect to problem solving• Questions were asked at the end of presentation.
Outcomes	Students are able to : <ul style="list-style-type: none">• Improve their knowledge with respect to algorithm design and analysis• Problem solving method• Improvement in their communication skills and team work• Imparting themselves in online learning methodology
Course Outcome	The activity maps to CO2, CO3, CO4 CO2: Solve the given problem by using different algorithm design techniques (such as divide and Conquer, Greedy Method etc.) CO3: Analyze the computational complexity of different algorithms using Mathematical Induction/Master Theorem CO4: Devise an algorithm using appropriate design strategies for problem solving

Activity Photos



Impact Analysis

Map the activity to the PO's PO1, PO2, PO3, PO4, PO9, PO10, PO12.
 Map the activity to the PSO's PSO1

Map the activity to the PO's & PSOs

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
2	2	2	2					2	2		1	1		



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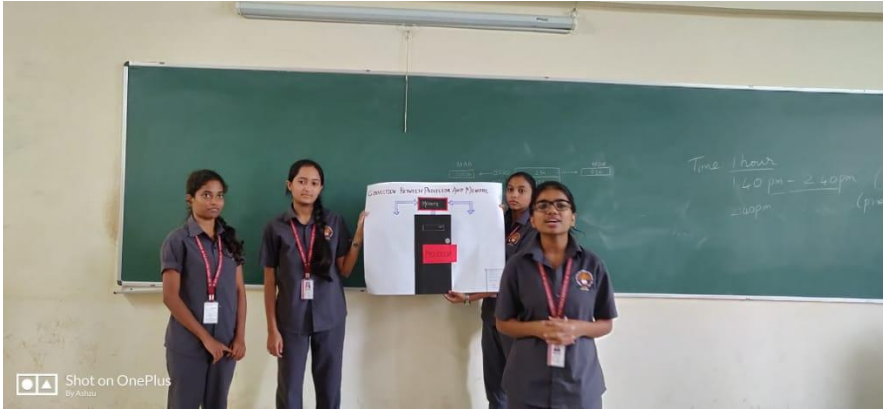
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ACTIVITY REPORT

Initiatives	
Activity Title	Poster Presentation
Coordinator name	Sreelatha P K
Course & Course Code	Computer Organization – 18CS34
Date	01/10/2019
Intended Students	3 rd sem
Topic covered	Connections between processor and memory – basic operational concepts, Shift and rotate instructions, Stack and subroutine, Addressing Modes (Direct, Indirect, Indexing), Memory word, Big Endian and Little Endian, Bus structure and I/O interface for Input device, DMA and types, Bus – PCI, SCSI and USB, Serial port and parallel port, Synchronous bus and Asynchronous bus.

Implementation	
Number of Students attended	71
Description	<ul style="list-style-type: none">● Students were asked to form groups● Each group is assigned with different topics by course coordinator on basic computer organization topics.● All the students are asked to prepare for the topics assigned.● Students prepared the posters in the class in team assigned to them.● Every team presented their posters to the judges.● Questions were asked at the end of presentation.
Outcomes	Students are able to : <ul style="list-style-type: none">● Know the connections between processor and memory.● Basic instructions● Addressing modes and data storage technique.● Connections between input output devices, ports and bus.
Course Outcome	The activity maps to CO1 CO1: Understand the basics of computer organization

Activity Photos





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ACTIVITY REPORT

Initiatives	
Activity Title	Seminar
Coordinator name	Mamatha A
Course & Course Code	Dotnet Framework for Application Development – 17CS564
Date	23/08/2019-17/11/2019
Intended Students	5 th Sem
Topic covered	Module I, IV and V(Topic list Included)

Implementation	
Number of Students attended	71
Description	<ul style="list-style-type: none">• All the students are asked to prepare for the topics assigned.• Students were asked to work in team.• Students prepared the power point presentation and presented the same in the class• Students were asked to provide brief introduction to the topic, explain the various terminologies such as methods, syntax /creation relevant and demonstrate the same using programs• Questions were asked at the end of presentation.
Outcomes	Students are able to : <ul style="list-style-type: none">• Improve their knowledge with respect to programming• Impart themselves in learning new programming language• Improvement in their communication skills and team work
Course Outcome	The activity maps to CO1,CO5 CO1: Build applications on Visual Studio .NET platform by understanding the syntax and semantics of C# CO4: Illustrate the use of generics and collections in C#

Activity Photos





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ACTIVITY REPORT

Initiatives	
Activity Title	Workshop
Coordinator name	Prof. Varshini Vidyadhar
Course & Course Code	Programming with C and data structures
Date	03/10/2019
Intended Students	1 st Sem
Topic covered	Online Puzzle

Implementation	
Number of Students attended	56
Description	Students should place the code blocks in the right order, so that the code will work in the loop format.
Outcomes	Students are able to: <ul style="list-style-type: none">• It Helps for Students to understand the loops.

The image shows a screenshot of a coding puzzle interface on the left and a photograph of students in a computer lab on the right. The screenshot displays a maze puzzle with a character and various code blocks for movement and loops. The code blocks include 'when run', 'repeat until', 'do', 'move forward', 'turn left', 'turn right', and 'if path to the right'. The photograph shows students sitting at desks with computers, engaged in the activity.



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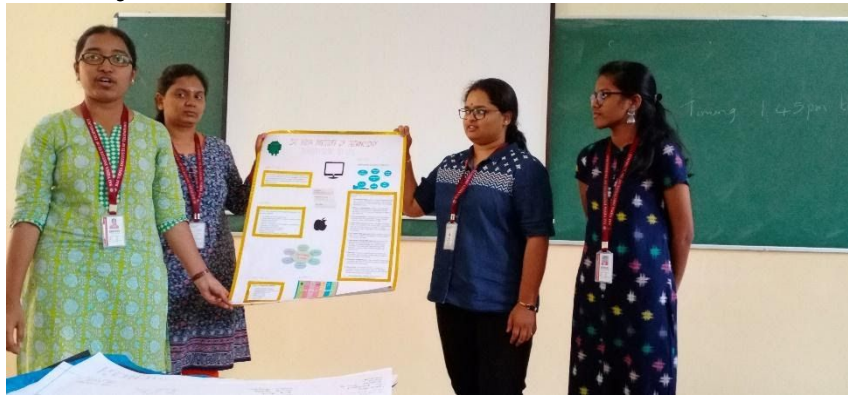
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ACTIVITY REPORT

Initiatives	
Activity Title	Poster Presentation
Coordinator name	Sreelatha P K
Course & Course code	Operating System (18CS43)
Date	25/02/2020
Intended Students	4 th sem CSE
Topic covered	Introduction to OS, Types of OS, Recent OS, Uses of OS

Implementation	
Number of Students attended	71
Description	<ul style="list-style-type: none">● Students were asked to form groups● Each group is assigned with different topics by course coordinator on basics of operating system.● All the students are asked to prepare for the topics assigned.● Students prepared the posters in the class in team assigned to them.● Every team presented their posters to the judges.● Questions were asked at the end of presentation.
Outcomes	Students are able to : <ul style="list-style-type: none">● Know the basics of OS, recent OS, uses and types of OS.● Acquire good communication skill and team building skills.

Activity Photos



Impact Analysis

Map the activity to the PO's & PSOs

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO1 0	PO1 1	PO1 2	PSO1	PSO2	PSO3
3	2						1	3	2		1	2		



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ACTIVITY REPORT

Initiatives	
Activity Title	Workshop
Coordinator name	Dr. Archana R A
Course & Course Code	Computer Networks – 17CS
Date	01/10/2019
Intended Students	5 th Sem
Topic covered	Git Hub Repository Creation & Working

Implementation	
Number of Students attended	64
Description	<p>The main goal of the workshop was to share knowledge and to create awareness about Git & Github, how we can use it, how industry uses version control systems and how it works.</p> <p>In this workshop we started with an introduction about the version control system, how it works, examples and etc. Then covered Git features and working from scratch. After covering the basics of Git, we continued with Github and its features. How to use Github with Git.</p>
Outcomes	<p>Students are able to :</p> <ul style="list-style-type: none">• Improve their knowledge with respect to Github Repository.• Students were able create a repository on their own.• Students were able to store the data & they can share the data.

Activity Photos





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REPORT ON BUSINESS PLAN ACTIVITY

SUBJECT: MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY

SUBJECT CODE: 17CS51

SEMESTER: 5th SEM CSE

TOPIC: BUSINESS PLAN.

The activity of **WRITING THE BUSINESS PLAN** was given to the group of students on 25/09/19 from 9:30am to 10:30am. Students presented the business Plan to the other groups and discussed the plan and also answered the questions which were asked by other teams.

The **BUSINESS PLAN** includes,

1. Names of business group
2. Business name
3. Target market
4. Write what you are going to do?
5. Write how your business is going to work?
6. What makes your idea different??
7. Write down who your target market is
8. Who is going to be working with you
9. Financing
10. Risks!
11. Pricing





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REPORT ON ENTREPRENEURSHIP GUEST LECTURE

SUBJECT: MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY

SUBJECT CODE: 17CS51

SUBJECT FACULTY: DEEKSHA HEGDE B

Guest lecture on “ENTREPRENEURSHIP” was organized for 5th semester CSE Students on 11th September 2019 from 9:30 am to 10:30am. The main focus of this guest lecture is to motivate the students to be entrepreneur in the field of Management and Entrepreneurship for the future corporate INDIA.

Sessions of guest lecture was delivered by Dr. Pradeep N E, Department of MBA, Placement Officer, Associate Professor, Chief Coordinator - SVIT Incubation Centre, Sai Vidya Institute of Technology, Bengaluru.

Following topics were covered in the lecture:

- About entrepreneurship.
- Interaction about inspiring entrepreneurs (like flipkart,OYO etc).
- Information about the Incubation center in SVIT.
- Why one should become entrepreneur?
- How to become entrepreneur?
- About market or target customer.
- Types of entrepreneurs.
- About Intrapreneur.

Photographs of the Guest Lecture





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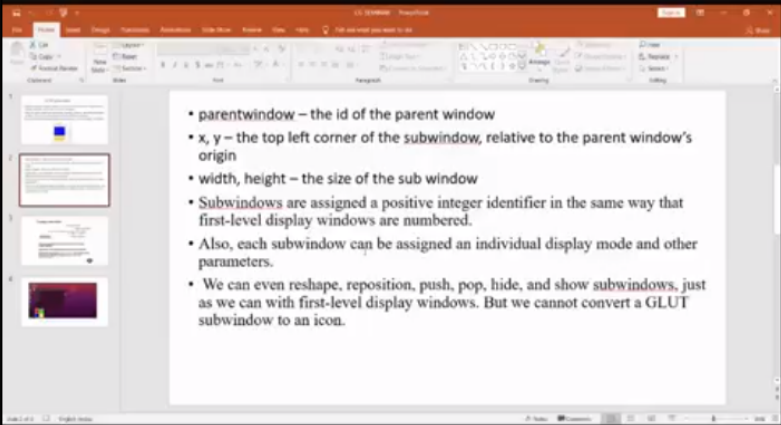
ACTIVITY REPORT

Initiatives	
Activity Title	Seminar and Laboratory work
Coordinator name	Dr.Sangeetha .V
Mapped Course Name/Code (If Applicable)	Computer Graphics and Visualization / 17CS62
Resource Person (If Applicable)	-
Date	13-5-20,18-5-20,19-5-20,20-5-20
Intended Students	6 TH semester
Topic covered	OpenGL Transformation types and functions

Implementation	
Number of Students attended	67
Description	<ul style="list-style-type: none">● Students were assigned topic● Students were asked to prepare and deliver the content on specified dates● After presentation by student, question was asked by student participant for any clarification regarding topic content● Student was issued certificate as token of Appreciation.
Outcomes	<p>Students are able to :</p> <p>CO4: Discuss about suitable hardware and software for developing graphics packages using OpenGL.</p> <p>Questions were asked in IA-2 related to the topic and Students Presentation skill is improved.</p>

Activity Photos

CG class (2020-05-18 at 20:35 GMT-7) Open with ▾



The screenshot shows a presentation slide with a list of bullet points. The slide is titled 'parentwindow' and lists several parameters and capabilities of GLUT subwindows. The presentation is displayed in a window titled 'CG class (2020-05-18 at 20:35 GMT-7)' with an 'Open with' dropdown menu. A participant's profile picture and name, Adithi M Shrouthy, are visible on the right side of the screen.

- parentwindow – the id of the parent window
- x, y – the top left corner of the subwindow, relative to the parent window's origin
- width, height – the size of the sub window
- Subwindows are assigned a positive integer identifier in the same way that first-level display windows are numbered.
- Also, each subwindow can be assigned an individual display mode and other parameters.
- We can even reshape, reposition, push, pop, hide, and show subwindows, just as we can with first-level display windows. But we cannot convert a GLUT subwindow to an icon.

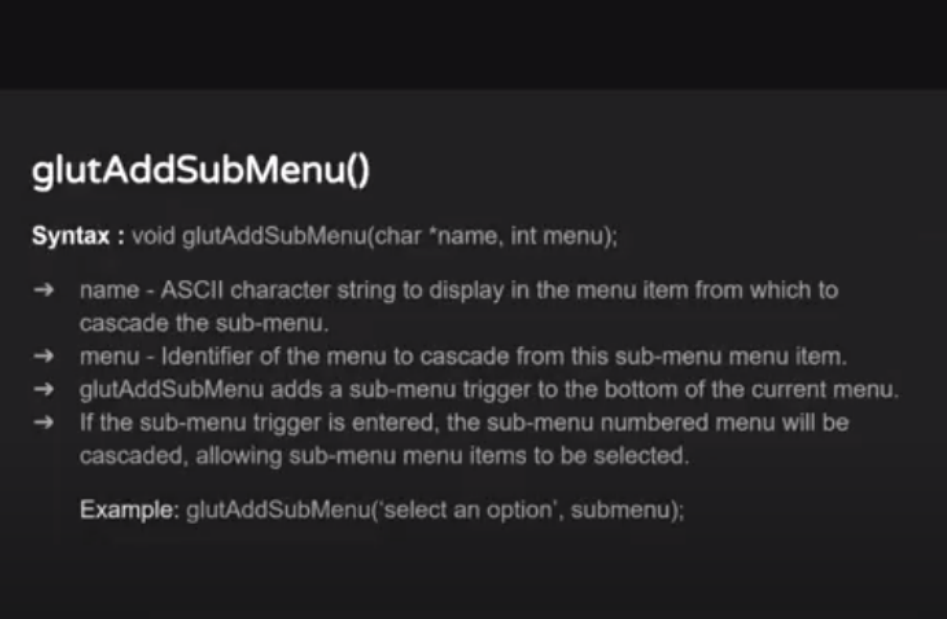
Adithi M Shrouthy

glutAddSubMenu()

Syntax : void glutAddSubMenu(char *name, int menu);

- name - ASCII character string to display in the menu item from which to cascade the sub-menu.
- menu - Identifier of the menu to cascade from this sub-menu menu item.
- glutAddSubMenu adds a sub-menu trigger to the bottom of the current menu.
- If the sub-menu trigger is entered, the sub-menu numbered menu will be cascaded, allowing sub-menu menu items to be selected.

Example: glutAddSubMenu('select an option', submenu);



The screenshot shows a presentation slide with the title 'glutAddSubMenu()' and its syntax. It lists four points explaining the function's parameters and behavior. The presentation is displayed in a window titled 'CG class (2020-05-18 at 20:35 GMT-7)' with an 'Open with' dropdown menu. A participant's profile picture and name, Vinayak B G, are visible on the right side of the screen.

Vinayak B G

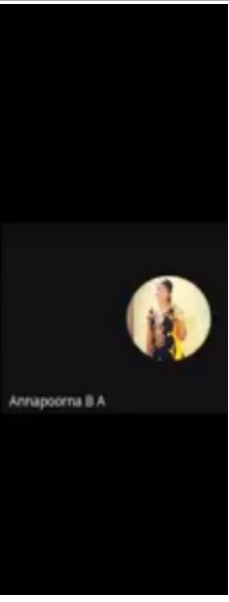
GL_TRIANGLE_STRIP

- By reordering the vertex list once more and changing the primitive constant to GL_TRIANGLE_STRIP, we can display the set of connected triangles.

```

glBegin (GL_TRIANGLE_STRIP);
glVertex2iv (p1);
glVertex2iv (p2);
glVertex2iv (p6);
glVertex2iv (p3);
glVertex2iv (p5);
glVertex2iv (p4);
glEnd ();

```



Impact Analysis

Map the activity to the PO's & PSOs

CO	Program Outcomes												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO4		1			2			3	3	3		1			

This activity increased student as individual to stand on stage and present during presentation with confidence. It also improves the communication skill of student.