



Criterion : II - Teaching- Learning and Evaluation
Metric : 2.3 Teaching Learning Process



Blended Learning



M.V. Muthiah Government Arts College for Women, Dindigul

(Affiliated to Mother Teresa Women's University, Kodaikanal)

Re-accredited with 'A' grade by NAAC

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE

Online & Offline Classes

Consolidated Report

26.10.2021

The online and offline classes has been conducted for our department students today. The online classes were conducted for the I Year & II Year UG (I & II Shift) using various online educational tools like Google classroom, Zoom App, YouTube Videos and Google Meet and offline classes were conducted for the III Year UG students, I Year PG, II Year PG and PGDCA students. Students were actively engaged in the Google classroom, Live Classes, Assignments and quiz like activities. The student attendance was collected through the Google form. Though we tried our best we are limited to achieve 100% attendance of students due to lack of Network coverage in remote areas.

Offline & Online Classes conducted through ICT Tools
[Zoom, Google Meet, Google Class Room]

| S.No | Class & Section | Subject & Staff Name | Total No. of Students | % of Attendance | | ICT Tools / Offline |
|------|-----------------|--|-----------------------|-----------------|--------|---------------------|
| | | | | Present | Absent | |
| 1 | I B.SC A | Programming in C Lab Dr.A.Subramani | 39 | 100 | NIL | Google Classroom |
| 2 | I B.SC B | Programming in C Lab Mrs.A.P Nagalakshmi | 40 | 73 | 27 | GMeet |
| 3 | II B.SC B | Fundamentals of Data Structures Mrs.D.Jeyanthi | 38 | 71 | 29 | GMeet |
| 4 | II B.Sc (A & B) | Operations Research Mrs.S.Mohanambal | 76 | 76 | 24 | GMeet |
| 5 | II B.SC (A & B) | Fundamentals of Computer Algorithms Mrs.A.P Nagalakshmi | 76 | 76 | 24 | GMeet |
| 6 | III BSC A | Computer Networks Mrs.D.Jeyanthi | 35 | 89 | 11 | Offline |
| 7 | III BSC B | Data Mining Mrs.P.Sangeetha | 33 | 72 | 28 | Offline |
| 8 | III B.Sc A | Multimedia Mrs.J.Sukanya | 35 | 89 | 11 | Offline |
| 9 | III B.Sc B | System Software Mrs.P.Sangeetha | 33 | 72 | 28 | Offline |
| 10 | III B.Sc B | VB Programming Lab Dr.A.Athisakthi | 33 | 72 | 28 | Offline |
| 11 | III B.Sc A | Software Engineering Mrs.S.Rajathi | 35 | 89 | 11 | Offline |
| 12 | I M.SC | Compiler Design Mrs.S.Meena | 25 | 80 | 20 | Offline |
| 13 | I M.SC | Data Structures Mrs.S.Meena | 25 | 80 | 20 | Offline |
| 14 | II MSC | Big Data Analytics Mrs.J.Sukanya | 16 | 75 | 25 | Offline |
| 15 | PGDCA | Programming in C Dr.S.Krishnaveni | 13 | 92 | 8 | Offline |
| 16 | PGDCA | Office Automation Lab Mrs.S.Rajathi | 13 | 92 | 8 | Offline |

Subject : Programming in C Lab

Class : IB.Sc. A Section

Staff Name : Dr.A.Subramani

ICT Tool : Google Classroom

4:33 PM | 3.9K's 58%

← Lab Program-4.docx

```
Program:
#include<stdio.h>

#define PI 3.147

void main()
{
    float radius, length, breadth;
    float base, height, area;
    int choice;

    printf("Enter\n");
    printf("1. To find area of triangle\n2. To find area of Square\n");
    printf("3. To find area of circle\n4. To find area of rectangle\n");

    scanf("%d",&choice);
    switch(choice)
    {
        case 1:
            printf("Enter base and height of a triangle\n");
            scanf("%f %f", &base, &height);

            area = (1.0/2) * base * height;

            printf("Area of Triangle:\t%f\n", area);

            break;

        case 2:
            printf("Enter length of a Square\n");
            scanf("%f", &length);

            area = length * length;

            printf("Area of Square:\t%f\n", area);

            break;

        case 3:
            printf("Enter the radius of a Circle\n");
            scanf("%f", &radius);

            area = PI * radius * radius;

            printf("Area of Circle:\t%f\n", area);

            break;

        case 4:
```

4:33 PM | 2.1K's 58%

←

Lab. Ex: 4 - Find the area of different shapes using switch statement

Dear students do the lab program

Attachments

Write a C program to find the area of different shapes using switch statement. (C code, Syntax, Algorithms, Diagrams)

Algorithm

Step 1: Start the program.

Step 2: Declare the variables (base, height, radius, length, area).

Step 3: Display the menu.

Step 4: Get choice from user.

Step 5: Based on the choice, calculate the area and display the result.

Case 1: Calculate the area of triangle.

Case 2: Calculate the area of square.

Case 3: Calculate the area of circle.

Case 4: Calculate the area of rectangle.

Lab Program-4.docx

Add class comment

Subject : Programming in C Lab

Class : IB.Sc. B Section

Staff Name : Mrs.A.P.Nagalakshmi

ICT Tool : GMeet

The screenshot displays a GMeet call interface. On the left, a presentation slide is visible, titled "uwz-hxwr-t...". The slide content includes a flowchart segment, a C code example, and a section on nested if statements.

Flowchart Segment:

```
graph TD
    Start(( )) --> Cond{if (Condition)}
    Cond -- F --> S2[Statement 2]
    Cond -- T --> S1[Statement 1]
    S2 --> Join(( ))
    S1 --> Join
    Join --> End(( ))
```

Example:

```
i()
int num;
printf(" Enter a number : ");
scanf("%d",&num);
if (num % 2 == 0)
    printf(" Even Number ");
else
    printf(" Odd Number ");
```

3. Nested if statement:

ANSI standard specifies that 15 levels of nesting are allowed. An if statement always refers to the nearest if statement associated with it.

Example:

```
i()
int num;
printf(" Enter a number : ");
scanf("%d",&num);
if ( num > 0 )
    printf("Even Number");
```

malatha is presenting

On the right, the "About this call" screen is shown, featuring a list of participants under the "People" tab. The participants are:

- Naga lakshmi A. P. (You)
- Aarthi Guna
- dheiva Jk
- Divya Thayumaan
- Divya Vijayan
- Divyabharathi B...
- Fathima parvee...
- Gousalya gousa...
- Gowri Gowri

Subject : Fundamentals of Data Structures

Class : IIB.Sc. B Section

Staff Name : Mrs.Jeyanthi

ICT Tool : GMeet

The screenshot displays a Google Meet interface. On the left, a document titled "P Business Manufacturing" is open, showing handwritten notes on a grid background. The notes discuss Breadth First Search (BFS) and include a procedure for BFS. The document is 9 pages long, with the current page being 9/9. On the right, a list of participants is shown, including DEVIPRIYA, Menaka.V, SATHIYAPRI..., ANUPRIYA, sangeetha, SWETHA, and BACKIAL. The bottom of the screen shows standard mobile navigation icons and a bottom bar with "Rotate" and "Export Pdf" options.

Handwritten Notes:

- + Start at vertex v and making it as visited, BFS differs DFS in that all unvisited vertices adjacent to v are visited next.
- + Then unvisited vertices adjacent to these vertices are visited and show on.
- + The BFS beginning at vertex one of the graph would first visit one and then 2,3.
- + Next vertex 4,5,6,7 will be visited and finally 8.
- + The edges that were rejected in the BFS are called cross edge.

BFS ALGORITHM

procedure BFS(G, n)

// BFS of G

declare VISITED(n)

for $i = 1$ to n do // mark all vertices unvisited

VISITED(i) = 0

repeat

for $i = 1$ to n do // Repeatedly call BFS

if VISITED(i) = 0 then call BFS(i)

end if

repeat

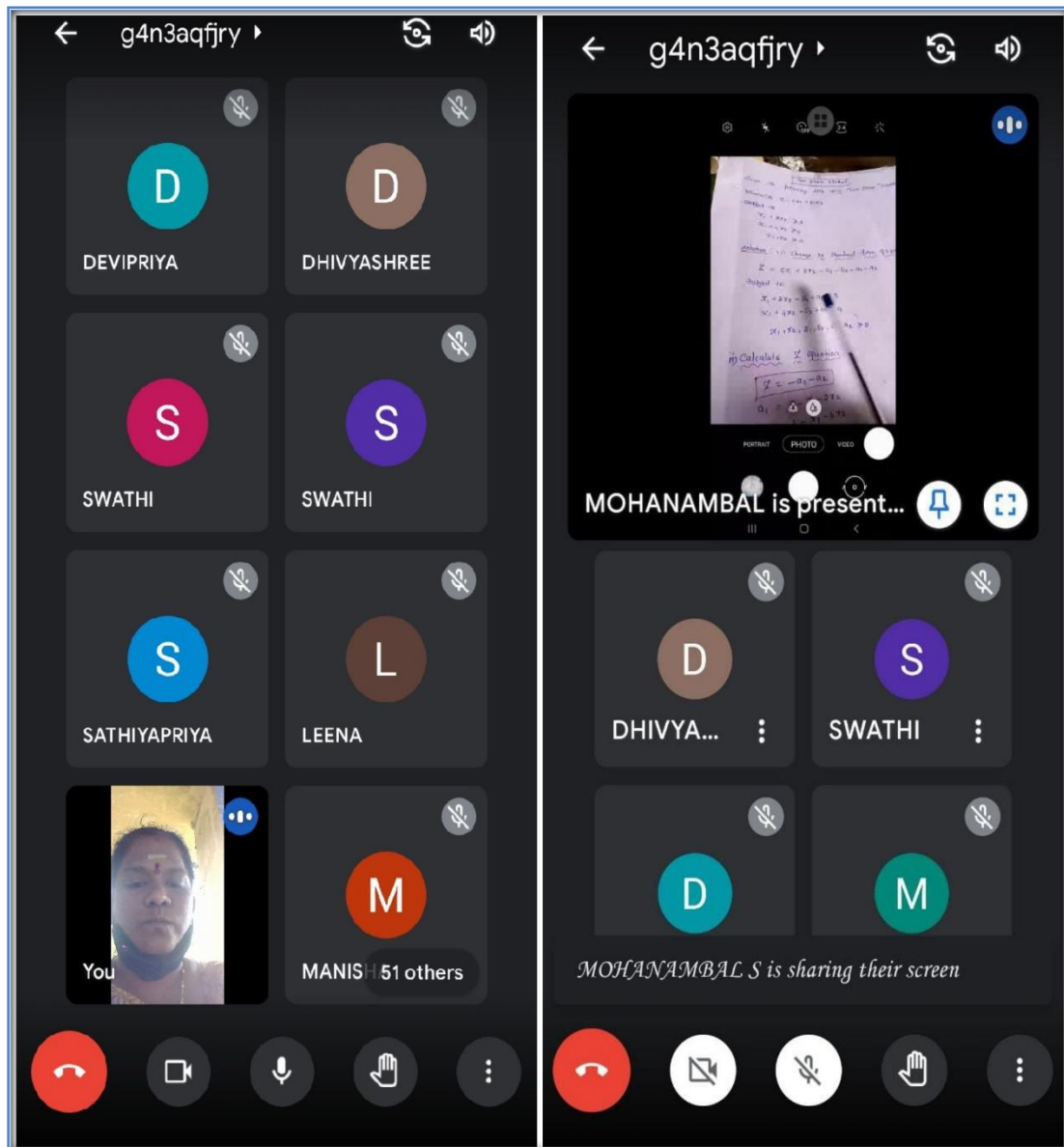
end BFS

Subject : Operations Research

Class : IIB.Sc. (A & B) Section

Staff Name : Mrs.S.Mohanambal

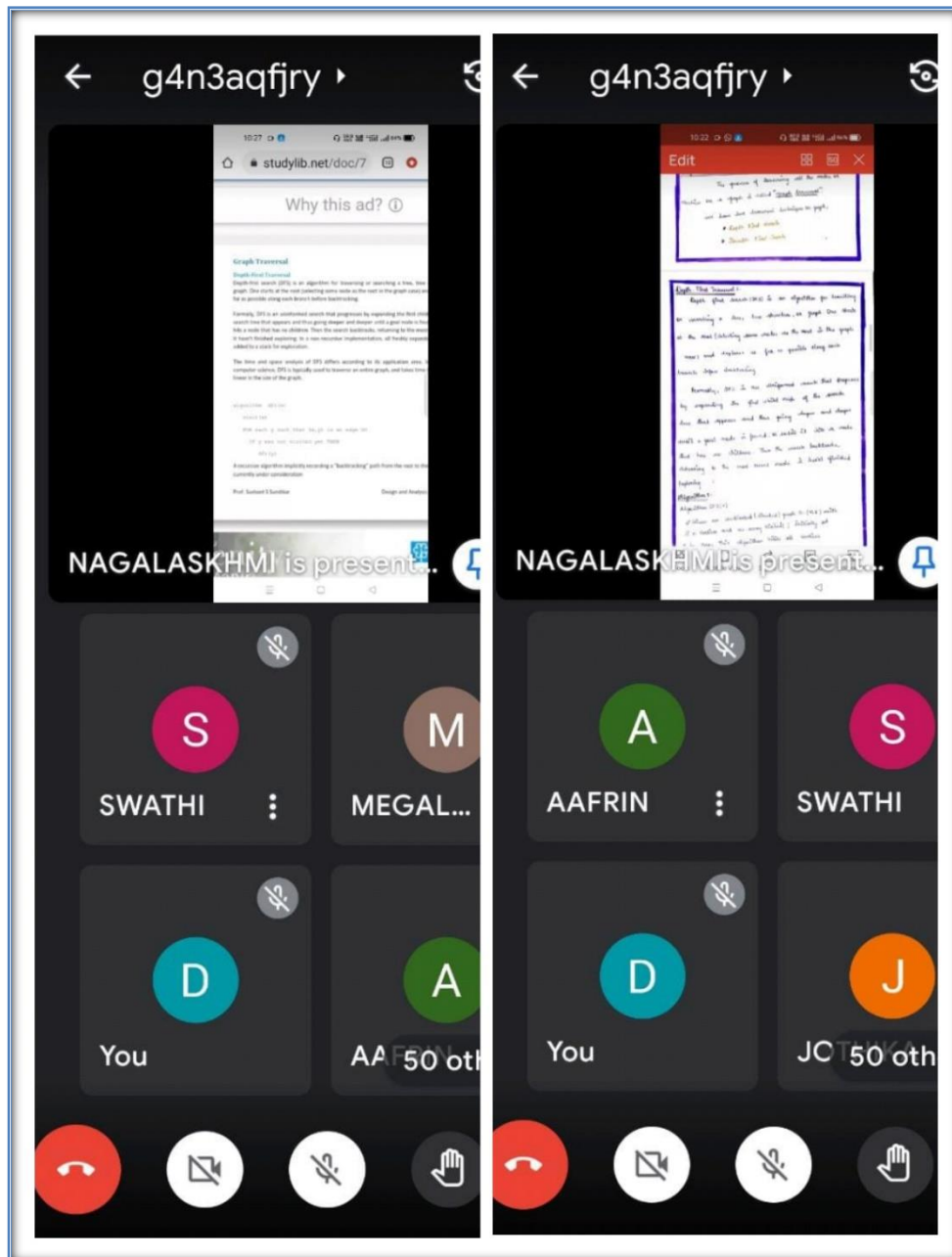
ICT Tool : GMeet



Subject : Fundamentals of Computer Algorithms **Class :** IIB.Sc. B Section

Staff Name : Mrs.A.P.Nagalakshmi

ICT Tool : GMeet



Dr.S.Krishnaveni

Assistant Professor and Head

PG and Research Department of Computer Science