A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A)
Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE
<u>Activity Register 2022-2023</u>

Date	31-10-2022 to 10-11-2022
Conducted through (DRC/JKC/ELF/NCC/NSS/Department etc.,)	**Department of Computer Science**
Nature of Activity (seminar/workshop/exten Lecture etc)	**BRIDGE COURSE** I B.Sc (M.P.Cs)
Title of the Activity	**Fundamentals Of Computers**
Name of the Department/ Committee	**Department of Computer Science**
Details of Resourc persons (Name, Designation etc.,)	N.Naga Subrahmanyeswari **M.Tech.** Lecturer in Computer Science K.Surya Lakshmi **M.Sc(IT)** Guest Lecturer in Computer Science
No. of students participated	30
Brief Report on the activity	To get the students acquainted with the Computer fundamentals and programming skills to enhance their caliber in Programming
Name of the Lecturers who planned & conducted the activity	N.Naga Subrahmanyeswari **M.Tech.** Lecturer in Computer Science K.Surya Lakshmi **M.Sc(IT)** Guest Lecturer in Computer Science
Signature of the Department In-charge/ Convener of the Committee	N.N.S. Eswari 10/11/22
Signature of the Principal	V. Amant... PRINCIPAL A.S.D.GOVT.DEGREE COLLEGE (W) AUTONOMOUS KAKINADA
Remarks	

A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A)

DEPARTMENT OF COMPUTER SCIENCE

BRIDGE COURSE
on
"Fundamentals of Computers"

The Department of Computer Science conducted Bridge course for I B.Sc (M.P.Cs) and I B.Com(CA) students who did not have knowledge about Fundamentals of computers and Programming. Wih this 8-Day course students get acquainted with the basic fundamentals of computers where in the total introduction of the syllabus is covered and there by the student can rise up to a level to apprehend the subject.

OBJECTIVIES:

- To introduce the fundamentals of computing devices and reinforce computer vocabulary particularly with respect to personal use of computer hardware and software, the Internet, networking and mobile computing.

- To understand basics of computer and working with operating system.

- To acquire basic skills needed to operate a computer.

- To apply computing in problem solving.

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

BRIDGE COURSE 2022-2023

Fundamentals of Computers

S.NO	DATE	SYLLABUS
01	31/10/2022	❖ Introduction to Computers
02	1/11/2022	❖ Computer Fundamentals
03	2/11/2022	❖ Computer Components
04	3/11/2022	❖ Working of Computer
05	4/11/2022	❖ Hardware
06	5/11/2022	❖ Software
07	6/11/2022	❖ Classification of Computers
08	7/11/2022	❖ Generation of Computers
09	8/11/2022	❖ Computer Viruses
10	09/11/2022	❖ Operating Systems

Signature of the Lecturers

1. N.N.S. Eswari

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A), KAKINADA

స్త్రీవిద్యాప్రవర్ధతాం

BRIDGE COURSE TIME TABLE

I B.Sc(M.P.Cs) & I B.Com(CA)

2022-2023

DAY	TIMINGS
31/10/2022	10.00A.M to 11.00A.M
1/11/2022	10.00A.M to 11.00A.M
2/11/2022	10.00A.M to 11.00A.M
3/11/2022	10.00A.M to 11.00A.M
4/11/2022	10.00A.M to 11.00A.M
5/11/2022	10.00A.M to 11.00A.M
6/11/2022	10.00A.M to 11.00A.M
7/11/2022	10.00A.M to 11.00A.M
8/11/2022	10.00A.M to 11.00A.M
9/11/2022	10.00A.M to 11.00A.M

Signature of the Lecturers

1. N.N.S. Eswari

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN(A), KAKINADA
DEPARTMENTS OF COMPUTER SCIENCE
BRIDGE COURSE
Fundamentals of Computers

S.NO.	NAME OF THE STUDENT	CLASS	SIGNATURE
1.	B.Sri Ramya Priya	I B.Sc(M.P.Cs)	B. Sri Ramya priya
2.	B.Bhavya Vijaya	I B.Sc(M.P.Cs)	B. Bhavya vijaya
3.	S.Gnga Mahalakshmi	I B.Sc(M.P.Cs)	S.Gouga mahalakshmi
4.	Ch.Devi	I B.Sc(M.P.Cs)	ch.Devi
5.	A.Durga Devi	I B.Sc(M.P.Cs)	A. Durga Devi
6.	M.Satya Asha Deepthi	I B.Sc(M.P.Cs)	M. Satya Asha Deepthi
7.	P. Anusha	I B.Sc(M.P.Cs)	P. Anusha
8.	S.Nagambika	I B.Sc(M.P.Cs)	S. Nagambika
9.	V. Maheswari	I B.Sc(M.P.Cs)	U. Maheswari
10.	A. Siri Chandana	I B.Sc(M.P.Cs)	A. S. Chandana.
11.	B. Gayatri Devi	I B.Sc(M.P.Cs)	B. Gayathri Devi
12.	B. Lalitha	I B.Sc(M.P.Cs)	B. Lalitha
13.	Ch.Pushpa Bhavani	I B.Sc(M.P.Cs)	ch. Pushpa Bhavani
14.	Ch. Baby Sireesha	I B.Sc(M.P.Cs)	Ch. Baby sireesha
15.	Ch. Bhuvaneswari	I B.Sc(M.P.Cs)	ch. Bhuvaneswari
16.	D.Divya Sri	I B.Sc(M.P.Cs)	D. Divya Sri
17.	D. Sai Veni	I B.Sc(M.P.Cs)	D. Divya Sri
18.	G. Vijaya Lakshmi	I B.Sc(M.P.Cs)	D. S. Veni
19.	K. Sri Lakshmi	I B.Sc(M.P.Cs)	K. S. Lakshmi
20.	L. Naga Lakshmi	I B.Sc(M.P.Cs)	L. Naga Lakshmi
21.	M. Ramya	I B.Sc(M.P.Cs)	M. Ramya
22.	M. Veera Veni	I B.Sc(M.P.Cs)	M. veera veni
23.	P.B.V.Ganga Sindhu	I B.Sc(M.P.Cs)	P.B.V. Granga Sindhu

S.NO.	NAME OF THE STUDENT	CLASS	SIGNATURE
24.	P. Durga Bhavani	I B.Sc(M.P.Cs)	O. Durga
25.	Y.Teja sri Sai Pavani	I B.Sc(M.P.Cs)	Y. Teja Sri
26.	V. Sangeetha	I B.Sc(M.P.Cs)	V. Sangeetha
27.	S. Chandini	I B.Sc(M.P.Cs)	S. chandini
28.	J. Thanu Sri	I B.Sc(M.P.Cs)	J. Thanu Sri
29.	D. Veeraveni	I B.Sc(M.P.Cs)	D. Veeraveni
30.	P. Maha Lakshmi	I B.Sc(M.P.Cs)	P. Mahalakshmi

A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A)

DEPARTMENT OF COMPUTER SCIENCE
ATTENDANCE for BRIDGE COURSE

S.NO	Name of the Student	31/10/22	1/11/22	2/11/22	3/11/22	4/11/22	5/11/22	6/11/22
1.	B.Sri Ramya Priya	P	P	P	P	P	P	P
2.	B.Bhavya Vijaya	P	P	P	P	P	P	A
3.	S.Gnga Mahalakshmi	A	P	P	P	P	P	P
4.	Ch.Devi	P	A	P	P	P	P	P
5.	A.Durga Devi	P	P	A	P	P	P	A
6.	M.Satya Asha Deepthi	P	P	P	P	A	P	P
7.	P. Anusha	P	P	A	P	P	P	P
8.	S.Nagambika	P	P	P	P	P	A	P
9.	V. Maheswari	A	P	P	P	P	P	P
10.	A. Siri Chandana	P	A	P	P	P	P	P
11.	B. Gayatri Devi	A	A	P	P	P	P	P
12.	B. Lalitha	P	P	P	A	P	P	P
13.	Ch.Pushpa Bhavani	P	P	P	P	A	P	P
14.	Ch. Baby Sireesha	P	P	P	P	P	A	P
15.	Ch. Bhuvaneswari	A	A	P	P	P	P	P
16.	D.Divya Sri	P	P	A	P	P	P	A
17.	D. Sai Veni	P	P	P	P	P	P	A
18.	G. Vijaya Lakshmi	P	P	P	P	P	P	P
19.	K. Sri Lakshmi	P	A	P	P	P	P	P
20.	L. Naga Lakshmi	P	P	A	P	P	P	P
21.	M. Ramya	P	P	P	P	P	P	P
22.	M. Veera Veni	P	A	P	P	P	P	P
23.	P.B.V.Ganga Sindhu	P	P	P	A	P	P	P
24.	P. Durga Bhavani	P	P	P	P	A	P	P
25.	Y.Teja sri Sai Pavani	P	P	P	P	P	P	A
26.	V. Sangeetha	P	P	P	P	P	P	P
27.	S. Chandini	A	P	P	P	P	P	P

S.NO	Name of the Student	31/10/22	1/11/22	2/11/22	3/11/22	4/11/22	5/11/22	6/11/22
28.	J. Thanu Sri	P	P	P	P	P	A	P
29.	D. Veeraveni	P	P	P	A	P	P	P
30.	P. Maha Lakshmi	P	P	P	P	A	P	P

N.N.S. Eswari

A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A)

DEPARTMENT OF COMPUTER SCIENCE

ATTENDANCE for BRIDGE COURSE

S.NO.	Name of the Student	7/11/22	8/11/22	9/11/22	10/11/22
1.	B.Sri Ramya Priya	P	P	P	P
2.	B.Bhavya Vijaya	P	P	P	A
3.	S.Gnga Mahalakshmi	P	A	P	P
4.	Ch.Devi	A	P	P	P
5.	A.Durga Devi	P	P	P	P
6.	M.Satya Asha Deepthi	P	A	P	P
7.	P. Anusha	P	P	A	P
8.	S.Nagambika	P	P	P	A
9.	V. Maheswari	P	P	P	A
10.	A. Siri Chandana	P	P	A	P
11.	B. Gayatri Devi	P	P	P	A
12.	B. Lalitha	P	P	P	A
13.	Ch.Pushpa Bhavani	P	P	A	P
14.	Ch. Baby Sireesha	P	P	P	P
15.	Ch. Bhuvaneswari	A	P	P	P
16.	D.Divya Sri	D	A	P	P
17.	D. Sai Veni	P	P	A	P
18.	G. Vijaya Lakshmi	P	P	P	P
19.	K. Sri Lakshmi	P	P	P	P
20.	L. Naga Lakshmi	A	A	P	P
21.	M. Ramya	P	P	P	A
22.	M. Veera Veni	P	P	P	A
23.	P.B.V.Ganga Sindhu	P	P	A	P
24.	P. Durga Bhavani	P	A	P	P
25.	Y.Teja sri Sai Pavani	A	P	P	P
26.	V. Sangeetha	P	P	P	R
27.	S. Chandini	P	P	P	P

S.NO	Name of the Student	7/11/22	8/11/22	9/11/22	10/11/22
28.	J. Thanu Sri	P	P	P	P
29.	D. Veeraveni	P	A	P	P
30.	P. Maha Lakshmi	P	A	P	P

N. N. S. Eswari

COURSE MATERIAL

INTRODUCTION TO COMPUTERS

Definition of a Computer:

A computer is an electronic device that manipulates information, or data. It has the ability to store, retrieve, and process data. You may already know that you can use a computer to type documents, send email, play games, and browse the Web. You can also use it to edit or create spreadsheets, presentations, and even videos. The basic parts of a desktop computer are the computer case, monitor, keyboard, mouse, and power cord. Each part plays an important role whenever we use a computer.
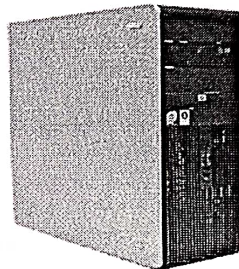
Hardware

Hardware refers to the physical elements of a computer. This is also sometime called the machinery or the equipment of the computer. Examples of hardware in a computer are the keyboard, the monitor, the mouse and the central processing unit. However, most of a computer's hardware cannot be seen; in other words, it is not an external element of the computer, but rather an internal one, surrounded by the computer's casing (tower). A computer's hardware is comprised of many different parts, but perhaps the most important of these is the motherboard. The motherboard is made up of even more parts that power and control the computer.

Software:

Software, commonly known as programs or apps, consists of all the instructions that tell the hardware how to perform a task. These instructions come from a software developer in the form that will be accepted by the platform (operating system + CPU) that they are based on. For example, a program that is designed for the Windows operating system will only work for that specific operating system. Compatibility of software will vary as the design of the software and the operating system differ. Software that is designed for Windows XP may experience a compatibility issue when running under Windows 2000 or NT.

Computer case

The **computer case** is the metal and plastic box that **contains the main components** of the computer, including the motherboard, central processing unit (CPU), and power supply. The front of the case usually has an **On/Off button** and one or more **optical drives**. Computer cases come in different shapes and sizes. A **desktop case** lies flat on a desk, and the monitor usually sits on top of it. A **tower case** is tall and sits next to the monitor or on the floor. **All-in-one** computers come with the internal components built into the monitor, which eliminates the need for a separate case.

Monitor

The **monitor** works with a **video card**, located inside the computer case, to display images and text on the screen. Most monitors have **control buttons** that allow you to change your monitor's display settings, and some monitors also have built-in speakers.

Newer monitors usually have **LCD** (liquid crystal display) or **LED** (light-emitting diode) displays. These can be made very thin, and they are often called **flat-panel displays**. Older monitors use **CRT** (cathode ray tube) displays. CRT monitors are much larger and heavier, and they take up more desk space.