



BLDEA'S

S.B.ARTS AND KCP SCIENCE COLLEGE, VIJAYAPUR

BCA PROGRAMME

BRIDGE COURSE

FOR

I SEMESTER

Academic Year: 2018-19

Prepared By: Asst. Prof. (Smt) Shridevi. G. Bhairodagi

Date: 02/07/2018 to 7/7/2018

Time: 11.00 to 1.00 PM

contd..

B.L.D.E.A.'S

# S.B.ARTS AND KCP SCIENCE COLLEGE, VIJAYAPUR

RE – ACCREDITED AT THE 'A' LEVEL BY NAAC

BCA PROGRAMME

## NOTICE

All the BCA I Semester Students are here by informed to attend the Bridge course conducted by BCA Department From 02/08/2018 to 07/08/2018

  
Co-ordinator

  
**IQAC, Co-ordinator**  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

  
Principal,  
S.B. Arts and KCP Science College  
VIJAYAPUR

Date: 30/07/2018

Place: Vijayapur

contd..

B.L.D.E.Association's  
S.B.Arts and K.C.P Science College, Bijapur  
B.C.A Programme  
B.C.A - I Semester 2018-19  
Bridge Course Time Table  
(Room No 1)

Date	Time	Syllabi
2/8/2018	11.00 to 1.00	Introduction to Computers
3/8/2018	11.00 to 1.00	Parts of Computer System
5/8/2018	11.00 to 1.00	Types of Computers
6/8/2018	11.00 to 1.00	Computer Operating Systems
7/8/2018	11.00 to 1.00	Computer Security & Privacy

  
**Co-ordinator**  
BCA Programme  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

  
**IQAC, Co-ordinator**  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

  
**Principal**  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

contd. -

BCA I Semester

## Bridge Course Syllabus

Teaching Hours : 10 Hrs

### Part I

Introduction: Definition of Computer, Components of Computer, Uses of Computer, Hardware, Software, Motherboard, Operating System, Server, Internet, Intranet

2 Hrs

### Part II

Parts of Computer System: Input devices- mouse, keyboard, scanner, webcam, stylus, microphone

Output Devices- Monitor, printer, speaker/Headphone , CPU, Storage Devices

2 Hrs

### Part III

Types of Computer: Desktop Computers, Laptop Computers, Handheld Computers, Tablet Computers, Role of memory: Bit, Byte, Kilobyte, Megabyte, Gigabyte, Terabyte,

2 Hrs

### Part IV

Computer Operating System: What is operating system, Need of operating system, Types of Operating systems, Open Source Operating system , Examples of Operating Systems.

2 Hrs

### Part V:

What is computer Security and Privacy, Natural Threats, Measures for Protection from Natural Threats,

Threats from Human Actions, Measures for Protection against Threats from Human Actions, Guidelines for Protecting our computer,

2 Hrs

  
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**B.L.D.E. Association's  
S.B. Arts and K.C.P. Science College, Vijayapur.  
BCA 1 Attendance Sheet (2018-19)**

**ONE WEEK BRIDGE COURSE ON FUNDAMENTALS OF COMPUTERS**

S.No	RNO	NAME OF THE STUDENTS	28/11	29/11	30/11	01/12	02/12	TOTAL
1	1	ANJANA MALASIDDAYYA HIRIMATHI	1	2	3	4	5	
2	2	VIDYALAXMI MAHADEV GIRAGANVI	1	2	3	4	5	
3	3	POORNIMA MAHADEV PADENGAVAR	1	2	3	4	5	
4	4	AMRITA BASAVARAJ HANGARKINAGI	1	2	3	4	5	
5	5	SURESH SANGAMESH VANI	1	2	3	4	5	
6	6	ASHWINI BASAVARAJ WALIKAR	1	2	3	4	4	
7	7	SNEDHA RAMESH HADALESHWAR	-	-	1	2	3	
8	8	SHILPA SURESH SHESHAPUR	1	2	3	4	5	
9	9	SHILPA ANNADEVI HONAWAD	1	2	3	4	5	
10	10	MEGHNA SANGOND CHANDAKAWATI	1	2	3	4	5	
11	11	MOHAPPA HANAMANTAPPA HANSHANAI	1	2	3	4	5	
12	12	GURURAJ SHARANAPPA KUDAGI	1	2	3	4	5	
13	13	MANOJ PUNDAPPA REDDY	1	2	2	3	4	
14	14	MUBASHIRUEN KUDAVASABIB ATTAR	-	1	2	3	4	
15	15	ARCHANA RAMANNA BELLEBHI	-	1	2	3	4	
16	16	SUNDRABAI SURESH JADHAV	1	1	2	3	4	
17	17	SHILPA SURESH MUNDODAGI	1	2	3	4	5	
18	18	AJIKSHA MOHAN BARAGI	1	2	3	4	5	
19	19	RAKESH KASHINATH RATHOD	-	-	-	-	-	
20	20	GANGA SHIVAPPA GOUD PATIL	-	1	1	2	3	
21	21	ASHWINI CHANDRANSHIKHAR MALANUR	-	1	2	3	4	
22	22	SHANDESHK BHADRANG KAHADAGI	1	2	3	4	5	
23	23	SHILPA MAHENDRA RATHOD	1	2	3	4	5	
24	24	VIDYALAXMI APPASAB BANATHI	1	2	3	4	5	
25	25	DEEPA MALIKARJUN SONNAD	1	2	3	4	5	
26	26	AKSHAYA MAHADEV KALLOLI	1	2	3	4	5	
27	27	POOJA SHIVAGOND NAGARAJ	-	1	2	3	4	
28	28	SAISHAM SUNIL SHINDE	1	2	2	3	4	
29	29	SHARAJ RAVI LINDRA NIDAGUNDE	2	2	3	4	4	
30	30	POOJA ASHOK BHADAR	-	-	-	1	2	
31	31	ABHINAV BHAGAWAN MORE	1	2	3	4	5	
32	32	MANISH GANGADHAR MELINAMATHI	1	2	3	4	5	
33	33	MAHIMA RIHAD RUNWAI	1	2	3	4	5	
34	34	RIYA KISHOR CHEDDA	-	1	2	3	4	
35	35	SAVITRI CHANNAPPA VAJRASHATHI	-	-	-	-	-	
36	36	VIJAYANNA GURUPPA HUR	1	2	3	3	4	
37	37	SURSHI BASAVARAJ HILHAGE	1	2	3	4	5	
38	38	SHIVANAND BASAVARAJ HILHAGE	-	-	-	-	-	
39	39	POOJA NIDONI	-	1	2	3	4	
40	40	POIYANKA MOTAGI	-	-	1	2	3	
41	41							
42	42							
43	43							
44	44							
45	45							
46	46							
47	47							
48	48							
49	49							
50	50							

Name: Asst. Prof. (Smt) S. G. Bhairadogi

Sign [Signature]

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## About Bridge Course:

The Bridge Course is aimed to act as a buffer for the new entrants, with an objective to provide adequate time for the transition to BCA courses. During this interaction of bridge course week with the faculty and their classmates, the students will be equipped with the knowledge and the confidence needed to take on bigger challenges as future Software engineers of this country.

## Outcome of Bridge Course

- To act as a buffer for the new entrants.
- To develop skills of computer science for fresher's.
- Focus on fostering a strong sense of ethical judgment and moral fortitude.
- Avoid fear of Computer System
- To build awareness about Computer Security
- The students will be equipped with the knowledge and the confidence needed to take on bigger challenges.
- Interactive and Active Learning by Doing have been weaved into the Bridge Course.

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**SUBJECT:** FUNDAMENTAL OF COMPUTERS.

BCA Department has conducted one week Bridge course for fresher's to build awareness of computer and avoid fear of Computer System . The main and the fundamental idea of course is students should get involved in all the way to develop primary level of knowledge during the course

The course syllabus is module into five parts.

1. INTRODUCTION TO COMPUTERS
2. PARTS OF COMPUTER SYSTEM
3. TYPES OF COMPUTERS
4. COMPUTER OPERATING SYSTEMS
5. COMPUTER SECURITY AND PRIVACY

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**B.L.D.E. Association's  
S.B. Arts and K.C.P. Science College, Vijayapur.  
BCA I SEM Bridge Course Marks Sheet (2018-19)**

Date: 07/09/2018

S.No	RNO	NAME OF THE STUDENTS	MARKS
1	1	ANJANA MALASIDDAYYA HIRIMATHI	16
2	2	VIJAYALAXMI MAHADEV GIRAGANVI	19
3	3	POORNIMA MAHADEV PADINNAVAR	05
4	4	AMRUTA BASAVARAJ BANGAREKINAGI	— AB —
5	5	SURESH SANGAMESH VANI	12
6	6	ASHWINI BASAVARAJ WALIKAR	12
7	7	SNETHA RAMESH BABALSHWAR	11
8	8	SHILPA SURESH SHAHAPUR	10
9	9	SHILPA ANNAPPA HONAWAD	12
10	10	MIGHA SANGOND CHANDAKAWATI	15
11	11	MULLAPPA H HANUHANAI	14
12	12	GERURAI SHARANAPPA KUDAGI	12
13	13	MANOJ PUNDAPPA REDDY	11
14	15	MUBASHIREEN KHWAJASAHIB AFTAR	09
15	16	ARCHANA RAMANNA HILLUBBI	10
16	17	SUNDRABAI SURESH TADIVAY	13
17	18	SHILPA SURESH MUNDODAGI	14
18	19	APRKSIA MOHAN BARAGI	11
19	20	RAKESH KASHINATH RATHOD	15
20	21	GANGA SHIVAPPAGODU PAHL	11
21	22	ASHVINI CHANDRASHI KHAR MALANUR	13
22	23	SHASHANK BABURAO KAHADAGI	15
23	24	AHIL MACHINDRA RATHOD	14
24	25	VIJAYALAXMI APPASAB BANATTI	11
25	26	DEEPA MALIKARJUN SONNAD	10
26	27	AKSHATA MAHADEV KATLOLI	10
27	28	POOJA SHIVAGOND NAGARAI	08
28	29	SAISHAM SUNIL SHINDI	12
29	30	SHARAI RAVFENDRA NIDAGUNDI	12
30	31	POOJA ASHOK BIRADAR	10
31	32	ABHISHEK BHAGAWAN MORI	17
32	33	MANJESH GANGADHAR MELINAMATHI	14
33	34	MAHIMA RIKHAB RUNWAI	18
34	35	RIYA KISHOR CHIDDA	16
35	36	SAVITRI CHANNAPPA VAIRASHATTI	10
36	37	VEFRANNA GURAPPA JEUR	08
37	38	SRUSHI BASAVARAJ HILLIBAI	14
38	39	SHIVANAND BASAVARAJ HUGAR	16
39	40	MOSHIN MAKHANDAR	10
40	41	SANGAMESH	16
41	42	SAMARTH	15
42	43	PRIYANKA MURATAGI	09
43	44	VIJAYALAXMI D	10
44	45	SALAMAN PATEL	14
45	46	LAKSHMI MADARAKKI	12
46	47	VANASHRI MANGANVVAR	06
47	48	ARVIND KOTYALKAR	15
48	49	POOJA NIDONI	18
49	50	VINOD B KUMBAR	11
50	52	MAHENTESH	11

Name: Smt. S. Co. Bhaisodagi  
Sign: BB

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B.L.D.E.Association's  
S.B. Arts and K.C.P.Science College ,Vijayapur  
BCA – I SEMESTER  
BRIDGE COURSE TEST  
SUB: COMPUTER SCIENCE

Date: 1/9/2018

Total Marks=20

1. The brain of any computer system is  
a. ALU    b. Memory    c. CPU    d. Control unit
2. Which of the following is not an input device?  
a. Scanner    b. Mouse    c. printer    d. webcam
3. Which of the following is not an Internet Browser  
a. Google Chrome    b. Internet Explorer    c. Mozilla Firefox    d. Notepad
4. Which is not the Natural threat?  
a. Temperature    b. Fire    c. Lightning    d. viruses
5. Which of the following is Operating System ?  
a. Windows    b. Ms-Word    c. MS-Excel    d. Paint
6. 1 byte=  
a. 32 bits    b. 16 bits    c. 24 bits    d. 8 bits
7. Hardware includes  
a. Input devices    b. Processing devices    c. Software    d. storage devices
8. Which of the following is output device  
a. CPU    b. Stylus    c. Monitor    d. microphone
9. Algorithm and Flow charts help us to  
a. Know the memory capacity    b. Identify the base of a number system    c. Direct the output to a printer    d. Specify the problem completely and clearly
10. A compiler is a translating program which  
a. Translates instruction of a high level language into machine language    b. Translates entire source program into machine language program    c. It is not involved in program's execution    d. All of above
11. The term gigabyte refers to  
a. 1024 bytes    b. 1024 kilobytes    c. 1024 mega bytes    d. 1024 gigabyte.
12. CD-ROM Stands for  
a. Compactable Disk Read Only Memory  
b. Compact Data Read Only Memory  
c. Common Read Only Memory  
d. Compactable Disk m Read Only Memory

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**B.L.D.E. Association's**  
**S.B. Arts and K.C.P. Science College, Vijayapur.**  
**BCA 1 SEM Attendance Sheet (2018-19)**  
**BRIDGE COURSE MARKS SHEET**

01/9/2018

TOTAL MARKS = 20

S.No	RNO	NAME OF THE STUDENTS	MARKS	Sign
1	1	ANJANA MALASIDDAYYA THIRUMATHI	AB	
2	2	VIJAYALAXMI MAHADEV GIRAGANVI	D	
3	3	POORNIMA MAHADEV PADINNAVAR	AB	
4	4	AMRUTA BASAVARAJ HANGAREINAGI	AB	
5	5	SURESH SANGAMESH VANI	AB	
6	6	ASHWINI BASAVARAJ WALIKAR	AB	
7	7	SMITHA RAMESH BABALSHIVAR	AB	
8	8	SHILPA SURESH SHAHAPUR	AB	
9	9	SHILPA ANNAPPA TRONAWAD	AB	
10	10	MEGHNA SANGOND CHANDAKAWATHI	AB	
11	11	MUTTAPPA H HANCIHANAI	AB	
12	12	GURURAJ SHARANAPPA KUDAGI	AB	
13	13	MANOJ PUNDAPPA RIDDY	AB	
14	15	MUBASHIRUEN KHWAJASALIB ATTAR	AB	
15	16	ARCHANA RAMANNA BELLUBHI	AB	
16	17	SUNDRABAI SURESH JADHAV	AB	
17	18	SHILPA SURESH MUNDODAGI	AB	
18	19	APEKSHA MOHAN BARAGI	AB	
19	20	RAKESH KASHINATH RATHOD	AB	
20	21	GANGA SHIVAPPAGOULD PATIL	AB	
21	22	ASHVINI CHANDRASHIKHAR MALANUR	AB	
22	23	SHASHANK BABURAO KABADAGI	AB	
23	24	AJEET MACHINDRA RATHOD	AB	
24	25	VIJAYALAXMI APPASAB BANATHI	AB	
25	26	DEEPA MALLIKARJUN SONNAD	AB	
26	27	AKSHATA MAHADEV KALLOLI	AB	
27	28	POOJA SHIVAGOND NAGARAL	AB	
28	29	SAISHAM SUNIL SHINDE	AB	
29	30	SHARAT RAVIENDRA NIDAGUNDI	AB	
30	31	POOJA ASHOK BIRADAR	AB	
31	32	ABHISHEK BHAGAWAN MORE	AB	
32	33	MANTESH GANGADHAR MELINAMATHI	AB	
33	34	MAHIMA RIKHAB RUNWAL	AB	
34	35	RIYA KISHOR CHEDDA	AB	
35	36	SAVITRI CHANNAPPA VAJRASHATHI	AB	
36	37	VEERANNA GURAPPA JEUR	AB	
37	38	SRUSHI BASAVARAJ TILIHAI	AB	
38	39	SHIVANAND BASAVARAJ HUGAR	AB	
39	40	MOSHIN MAKHANDAR	AB	
40	41	SANGAMESH	AB	
41	42	SAMARTH	AB	
42	43	PRIYANKA MORATAGI	AB	
43	44	VIJAYALAXMI B	AB	
44	45	SALAMAN PATEL	AB	
45	46	LAKSHMI MADARAKKI	AB	
46	47	VANASHRIMANGANVVAR	AB	
47	48	ARVIND KOTYALKAR	AB	
48	49	POOJA NIBRONI	AB	
49	50	VIPOD B KUMBAR	AB	
50	52	MAHANTESH	AB	

Name: Smt. S.G. Bhairadogi

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## SESSION 1: INTRODUCTION TO COMPUTERS

### INTRODUCTION

Computer is an electronic device used in almost every field; even where it is most unexpected. Now we cannot imagine a world without computers. These days, computers are used extensively by engineers and scientists and also by millions of people around the world. That is why this age is called as the era of INFORMATION TECHNOLOGY (IT).

A computer is made up of two components - one is the hardware and the other is the software. All physical components of computer including keyboard, mouse, monitor, etc, are a part of the hardware. The programs and languages used by the computer are called software.

The computer has become very important now-a-days because it is *accurate*, *fast* and can *accomplish many tasks* easily. Otherwise, to complete those tasks manually much more time is required. It can do very big calculations in just a fraction of a second. Moreover, it can *store large amount of data*. We can also get a lot of information on different aspects using internet.

Today, the computer is used in different fields, which include the following:

#### BANKS

Almost every bank uses computers to keep the records of money transactions and financial documents. It is also used in this sector because of the speed, convenience and security that it provides.

#### COMMUNICATION

Communication has become very easy and simple through internet and email. Computer communicates using telephone lines, modems and satellites. Through email we can send messages in a split-second to anybody in any part of the world. On the other hand, the traditional form of communication, for example postal services takes many days to reach the recipient. So the internet has helped to make the earth a global village and above all, it saves time. Internet helps us to find information on every topic. It is the easiest and fastest way of communication. Computer network makes the user capable of accessing remote programs and databases of same or different organizations.

#### BUSINESS

Computer has now become an integral part of corporate life. Business transactions take place very easily, accurately and records of all the business transactions can be stored. Today computers can be found in every store, supermarkets, restaurants, offices etc. One can buy and sell things online, bills



Action	Description
	Using Internet options, you can set the security level to medium, medium-high, or high. Internet Explorer 7 has higher security levels than its previous versions. User Account Control prevents unauthorized changes to your computer by asking for the password before making changes.
Disable active content	Active content refers to small programs that get installed on your computer while you are browsing the Internet. Their basic function is to provide you with an interactive Internet experience through videos and toolbars. However, in some cases, these programs can be used to damage the data stored on your computer or install malicious software without your consent. By using your browser settings, you can disable active content to prevent the installation of such programs.

#### Measures for Securing E-mail and Instant Messaging

E-mail and Instant Messaging (IM) are widely used for business and personal communication. However, hackers, online predators, and the people who create worms and viruses use e-mail and IM for malicious purposes. For example, these people can send e-mail attachments containing harmful software. These people can also use e-mail to solicit sensitive information or to lure you into fake offers. It is therefore important for you to take certain measures to ensure e-mail and IM security.

To ensure e-mail security, avoid opening e-mail with attachments, do not respond to junk mail, do not respond to unsolicited commercial mail, and protect yourself from phishing. To ensure IM security, chat with known people only and do not open attachments received over IM.

- Be cautious when opening e-mail messages with attachments
- Do not respond to unsolicited commercial mail
- Protect yourself from phishing
- Limit chat activity to people whom you know
- Avoid opening instant messenger attachments

#### Measures to Protect your Privacy

With the growing popularity of computers and the Internet, there are multiple ways in which your privacy is compromised. You and your family members need

to prevent these threats to privacy. You can take the following simple measures to safeguard yourself and your family members against invasion of privacy.

### ***Shield Your Identity***

Avoid sharing your personal information with anyone, unless you know the person. This is the golden rule of protecting privacy. While exchanging e-mail messages or chatting through instant messenger, ensure that you do not reveal personal details about you or others known to you. Also, use strong passwords for access to your computer and e-mail connections.

### ***Make Regular Backups of Your Computer and Important Data***

It is a good practice to back up all types of the important and sensitive data on your computer. Important data might be documents, databases, or contact information. You can use various storage media such as compact disc or another hard disk to back up your data. If you regularly back up the data stored on your computer, you can recover the data in case the original data is damaged or deleted. Also, it is advisable to store the backup data in a secure place and restrict access to it by using passwords and encryption.

### ***Check Current Security of Your System Regularly***

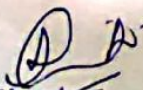
Check the current security level of your computer regularly. Modern operating systems have built-in features that help you track the ability of your computer to safeguard against various threats to security and privacy. For example, Windows Security Center is a component in Windows Vista, which helps you to maintain firewall settings, set up schedules for software updates, and check the validity of the antivirus software installed on your computer.

### ***Run Virus Scans Daily***


Each day when you access the Internet, there is a chance that your computer is infected by viruses. Therefore, it is important that you run a virus scan on your computer everyday. You also need to keep the antivirus software on your computer up-to-date to protect your computer from new viruses.

### ***Use Antispyware***

Spyware programs can secretly enter your computer and transmit personal information about you and your family. Use antispyware software to keep a check upon these malicious programs, and keep the software up-to-date.

  
**Co-ordinator**  
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