



B. L. D. E. ASSOCIATION'S

S. B. ARTS AND K. C. P. SCIENCE COLLEGE,
VIJAYAPUR



DEPARTMENT OF COMPUTER SCIENCE

BRIDGE COURSE REPORT

2023 – 2024



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DEPARTMENT OF COMPUTER SCIENCE



Date : 20/10/2023

BRIDGE COURSE 2023 – 2024

Notice

Aiming at making the course smoother for entrants, department has announced one week bridge course for BSc Ist Sem students. So all the students enrolled for BSc I Sem are hereby informed to attend the **Bridge course** to be conducted by the department from 26th October, 2023.



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SYLLABUS FOR BRIDGE COURSE -2023-24

I. Introduction to Computer Hardware :

Overview of Computer Systems: Components, functionality, and performance.

Computer Hardware vs. Software: Understanding the difference and their interdependence. **Basic Concepts:** Binary number system, data representation, and hardware architecture.

II. Computer Architecture:

Components of a Computer System: CPU, memory, storage, I/O devices.

CPU Architecture: ALU, registers, control unit, and execution cycle.

Memory Hierarchy: Cache, RAM, ROM, and virtual memory.

Bus Systems: Data bus, address bus, control bus, and their roles.

III. Central Processing Unit and Memory:

CPU Structure, Instruction Set Architecture (ISA), CPU Performance, Multicore and Multiprocessing. **Memory :** Primary Memory, Secondary Memory, Cache Memory, Memory Management

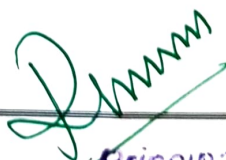
IV. Motherboards and Power Supply:

Motherboard Components, Form Factors, BIOS/UEFI, Power Supply Units (PSUs), Power Connectors, Power Management.


Prof. S. G. Joshi
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Time Table

Day	Thursday		Friday		Monday		Thursday	
Date	26-10-2023		27-10-2023		30-10-2023		02-11-2023	
Time	02.00pm to 03.00pm		05.00pm to 06.00pm		3.00pm to 4.00pm		02.00pm to 03.00pm	
Class/ Faculty/ Room No	Class/Faculty	R.No	Class/Faculty	R.No	Class/Faculty	R.No	Class/Faculty	R.No
	BSC-I SGJ	13	BSC-I SGJ	13	BSC-I SGJ	13	BSC-I SGJ	13

Faculty Name :

***SGJ- Shreedhar G Joshi**


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List of Attendance for Bridge Course 2023-24

BSc – I

SLNO	Student ID	Name of the Students	Date			
			26-10-2023	27-10-2023	30-10-2023	02-11-2023
1	U15KM23S0004	PRATEEKSHA JYOTIBA SHELAMKAR	Pr	Pr	Pr	
2	U15KM23S0005	PRIYA VITHAL BENKI	Pr	Pr	Pr	Pr
3	U15KM23S0007	SHIVANAND SHREEMANT BURANAPUR	Pr	Pr	Pr	Pr
4	U15KM23S0032	DARSHAN GANAPATI KODLIKAR	Pr	Pr	AB	AB
5	U15KM23S0042	POOJA PRAKASH KOKATANUR	Pooja	Pooja	Pooja	Pooja
6	U15KM23S0044	BASAVARAJ BHAIKAVADAGI	Bas	Bas	Bas	Bas
7	U15KM23S0047	AKSHATA VITTAL HIREKOL	A.V.H	A.V.H	A.V.H	A.V.H
8	U15KM23S0051	AMBIKA KALLAPPA KAJURAGI	AB	AB	AB	AB
9	U15KM23S0057	SHAILASHREE GOPAL MADDEPPAGOL	Shaila	Shaila	Shaila	Shaila
10	U15KM23S0058	VISHWANATH MANJALKAR	AB	V.Y. Manjalkar	V.Y. Manjalkar	V.Y. Manjalkar
11	U15KM23S0066	ANIRUDDH PRAKASH SUNGAR	AB	AB	AB	AB
12	U15KM23S0083	SHANKARALINGA SATAPPA KOBALA	SK	SK	SK	SK
13	U15KM23S0085	BHAGYASHREE KARAJOL	B.B. Karajol	AB	B.B. Karajol	B.B. Karajol
14	U15KM23S0099	VISHNU B K	Vishnu	Vishnu	AB	Vishnu
15	U15KM23S0100	AMARNATH WALIKAR	Am	Am	Am	Am
16	U15KM23S0108	SAHIL S MULLAL	AB	AB	Shil	Shil
17	U15KM23S0117	RAJESH	AB	AB	AB	AB
18	U15KM23S0130	RAHUL TELI	Pr	Pr	Pr	Pr
19	U15KM23S0137	VIVEK SIDDARAJ BIRADAR	Viv	Viv	AB	Viv
20	U15KM23S0140	SHIVARUDRAYYA VASTRAD	N.S.R	N.S.R	N.S.R	N.S.R
21	U15KM23S0142	SHIVANANDA PARASHURAMA KALYANI	S.P. Kalyani	S.P. Kalyani	S.P. Kalyani	S.P. Kalyani
22	U15KM23S0144	KARTHIK L AWAJI	Karthik	Karthik	Karthik	Karthik
23	U15KM23S0145	AKSHATA ARAVIND KHAVEKAR	Pr	Pr	Pr	Pr
24	U15KM23S0147	CHANDANA TEGGI	Pr	Pr	Pr	Pr
25	U15KM23S0150	SHREYA SURAJ JADHAV	Pr	Pr	Pr	Pr
26	U15KM23S0155	PRAMOD HIREMATHA	Pr	Pr	Pr	Pr
27	U15KM23S0159	VAISHALI SALI	Pr	Pr	Pr	Pr


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Role of Bridge Course:

The Computer Hardware Bridge Course was designed to provide foundational knowledge and skills in computer hardware for students transitioning from non-technical backgrounds to technical streams. The course aimed to equip students with a basic understanding of computer components, their functions, and how they interact within a computer system. This preparation was intended to ease students' entry into more advanced studies in computer science or IT-related fields.

Objectives:

- To introduce students to the fundamental concepts of computer hardware.
- To provide hands-on experience with assembling, disassembling, and troubleshooting computer systems.
- To bridge the gap between students' existing knowledge and the technical requirements of future coursework.
- To build confidence in handling and understanding computer hardware components.

Conclusion:

The Computer Hardware Bridge Course successfully met its objectives, providing students with the foundational knowledge and practical skills necessary for their future studies. The hands-on approach was particularly effective, and the course's structure allowed for a smooth transition from non-technical to technical education.


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