



Government Degree College, Karvetinagaram

Department of Mathematics & Computer Science

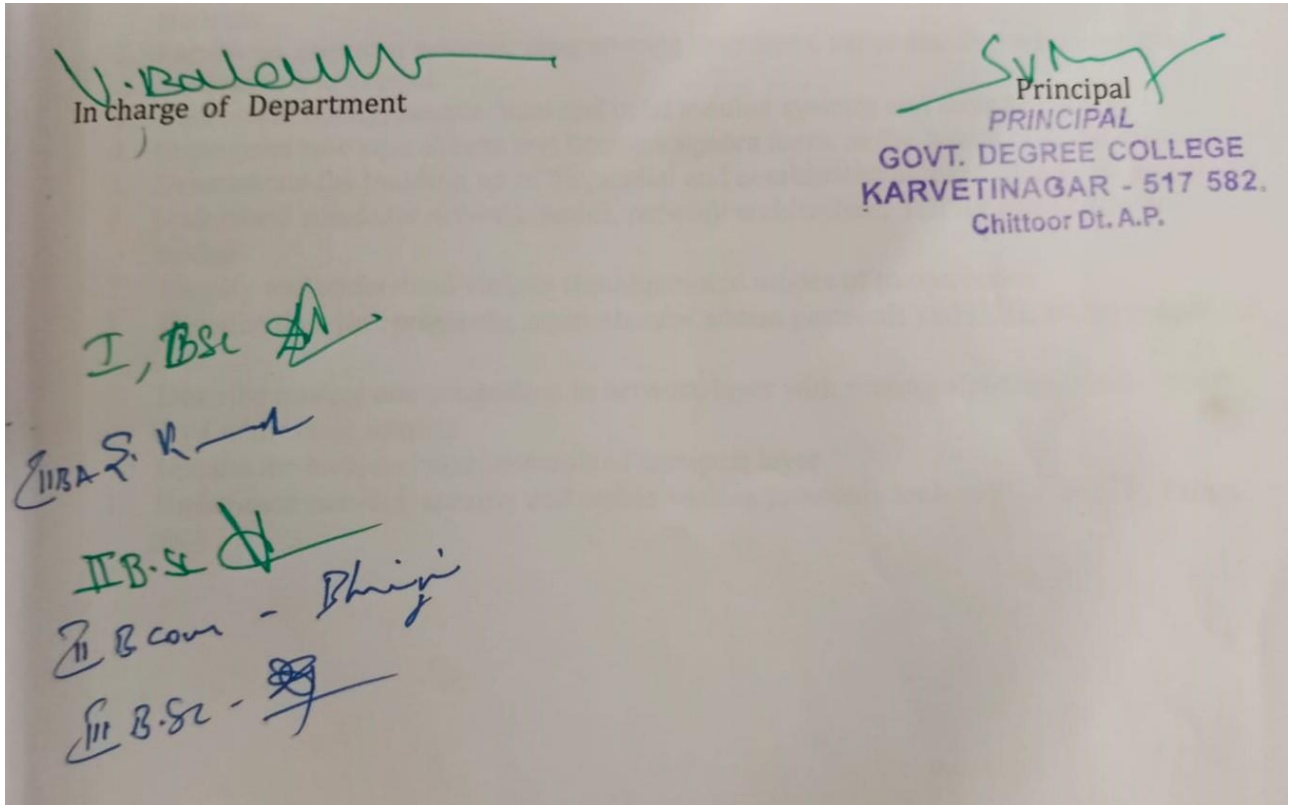
2024-2025

Certificate Course on PC Software & C Language in Vedic Mathematics

CERCULAR

04.09.2024

This is to inform all the students, that the Dept. of Computer Science & Mathematics is going to conduct a certificate course on "PC Software & C Language in Vedic Mathematics" for the year 2024-25. This course starts on 09-9-2024 and closes on 30-10-2024 with a duration of 30 days. Interested students can give the names to K. Eswara Reddy, In charge of certificate course, Dept. of Computer Science & Mathematics.



Course Objectives :

1. Organization of a Digital Computer
2. Components of a computer
3. Blocks of Computer System
4. Interaction between functional blocks
5. Functions of CPU
6. Functions of memory.
7. Types of memory
8. Functions of input devices
9. Functions of output devices
10. Word Length of CPU
11. Speed of the processor
12. Functional Blocks of CPU
13. The storage devices used in computers
14. Copying the text
15. Cutting the text
16. Pasting the text
17. Moving the text
18. Understand C programming basics
19. Evolution of C language.
20. Applications of C language.
21. Features of C language.
22. Versions of C language
23. Know about the Character set of 'C' programming language.
24. Keywords of 'C'

Learning outcomes:

1. Bridge the fundamental concepts of computers with the present level of knowledge of the students.
2. Familiarise operating systems, programming languages, peripheral devices, networking, multimedia and internet.
3. Understand binary, hexadecimal and octal number systems and their arithmetic.
4. Understand how logic circuits and Boolean algebra forms as the basics of digital computer.
5. Demonstrate the building up of Sequential and combinational logic from basic gates.
6. Understand computer network basics, network architecture, TCP/IP and OSI reference models.
7. Identify and understand various techniques and modes of transmission
8. Describe data link protocols, multi-channel access protocols and IEEE 802 standards for LAN
9. Describe routing and congestion in network layer with routing algorithms and classify IPV4 addressing scheme
10. Discuss the elements and protocols of transport layer
11. Understand network security and define various protocols such as FTP, HTTP, Telnet, DNS

SYLLABUS

Unit – I

- 1 Objectives
- 1.2 What is Computer?
 - 1.2.1 Basic Applications of Computer
- 1.3 Components of Computer System
 - 1.3.1 Central Processing Unit
 - 1.3.2 Keyboard, mouse and VDU
 - 1.3.3 Other Input devices
 - 1.3.4 Other Output devices
 - 1.3.5 Computer Memory
- 1.4 Concept of Hardware and Software
 - 1.4.1 Hardware
 - 1.4.2 Software
 - 1.4.2.1 Application Software
 - 1.4.2.2 Systems software
- 1.5 Concept of computing, data and information
- 1.6 Applications of IECT
 - 1.6.1 e-governance
 - 1.6.2 Entertainment
- 1.7 Bringing computer to life
 - 1.7.1 Connecting keyboard, mouse, monitor and printer to CPU

Unit – II

What Subject is the C Language?

- 1) Introduction to C Programming
- 2) Fundamentals of C Programming
- 3) Operators and Expressions in C
- 4) Control Flow Statements in C
- 5) Functions and Modular Programming
- 6) Arrays and Strings in C
- 7) File Handling in C (Basic Overview)

Unit -III

- 1. Introduction To Vedic Mathematics
- 2. Advantages of Vedic Mathematics
- 3. Use of Vedic Mathematics in the field of Computers
- 4. Vedic Mathematics in schools and colleges
- 5. Researches on Vedic Mathematics
- 6. The Vedic Mathematics – Sutras
- 7. Basics of Vedic Mathematics

Assessment

Participants are evaluated through a mix of written assignments, practical projects, and a final examination. Evaluation criteria include understanding of theoretical concepts, practical application of skills, and the ability to address ethical and legal issues in museum contexts.

S.No	Date	Name of the Topic
1	09.09.2024	Course Inauguration
2	10.09.2024	What is Computer?
3	11.09.2024	Basic Applications of Computer
4	12.09.2024	Components of Computer System
5	13.09.2024	Central Processing Unit
6	17.09.2024	Keyboard, mouse and VDU, Other Input devices
7	18.09.2024	Computer Memory
8	19.09.2024	Concept of Hardware and Software
9	20.09.2024	Application Software
10	21.09.2024	Concept of computing, data and information
11	23.09.2024	e-governance
12	24.09.2024	Entertainment
13	25.09.2024	Bringing computer to life
14	26.09.2024	Connecting keyboard, mouse, monitor and printer to CPU
15	28.09.2024	Exam –I
16	30.09.2024	What Subject is the C Language?
17	01.10.2024	Introduction to C Programming
18	03.10.2024	Fundamentals of C Programming
19	04.10.2024	Operators and Expressions in C
20	05.10.2024	Control Flow Statements in C
21	14.10.2024	Functions and Modular Programming
22	15.10.2024	Arrays and Strings in C
23	17.10.2024	File Handling in C (Basic Overview)
24	18.10.2024	Introduction To Vedic Mathematics
25	19.10.2024	Advantages of Vedic Mathematics
26	21.10.2024	Use of Vedic Mathematics in the field of Computers
27	24.10.2024	Researches on Vedic Mathematics
28	25.10.2024	Basics of Vedic Mathematics
29	28.10.2024	Test
30	30.10.2024	Valedictory function

(Dr. Dhanya)

V. Balakrishna

(Signature)
 PRINCIPAL
 GOVT. DEGREE COLLEGE
 KARVETINAGAR - 517 582.
 Chittoor DL. A.P.

Government Degree College, Karvetinagaram
Department of Mathematics & Computer Science
2024-2025
Certificate Course on PC Software & C Language in Vedic Mathematics

TEST

Name of the Student :

Marks :20

Group :

1. A Computer is called as ? ()
 - a) Electronic Machine
 - b) Mechanical Machine
 - c) Electromechanical Machine
 - d) Electrical Machine
2. Brain of computer. ()
 - a. Input Unit
 - b. Control Unit
 - c. CPU
 - d. Output Unit
3. The meaningful form of data is called ()
 - a. instruction
 - b. data
 - c. information
 - d. all the above
4. The control unit, together with the ALU and memory unit, form ()
 - a. control unit
 - b. memory
 - c. CPU (central processing unit)
 - d. ALU
5. The program instructions and data are transferred under the control of ()
 - a. CPU
 - b. Control Unit
 - b. ALU
 - d. Memory Unit
6. ALU handles ()
 - a. arithmetic operations
 - b. logical operations
 - c. arithmetic operations and logical operations
 - d. None of the above
7. Is RAM a volatile memory? ()
 - a. Yes
 - b. No
8. ROM is a ()
 - a. Volatile
 - b. Non-volatile
 - c. both a & c
9. The data stored in memory is in ()
 - a. Decimal form
 - b. Hexadecimal form
 - c. Binary form
 - d. Octal form
10. The decimal number system is a ()

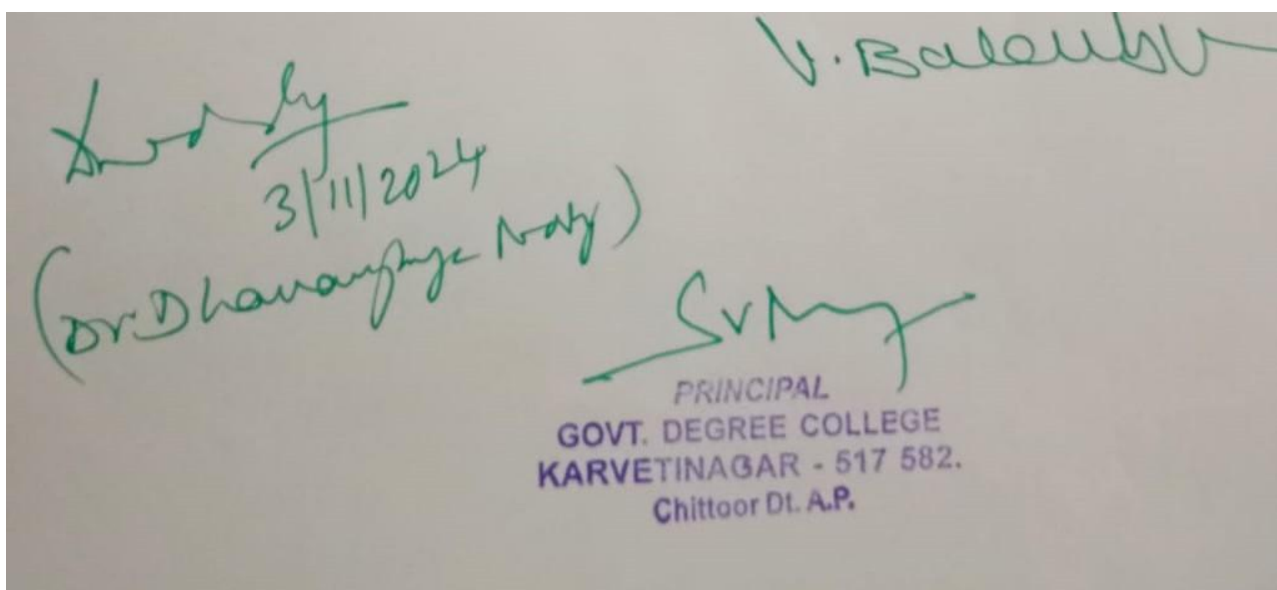
- a. base 2
b. base 16
c. base 10
11. The base of octal number system is ()
a. 8
b. 16
c. 2
12. The first ten digits in hexa decimal system are represented by digits 0 to 9 and remaining six by the letters ()
a. 10 to 16
b. A to F
c. A1 to A6
13. _____ is the primary data type. ()
a) structure
b) pointer
c) integer
d) none.
14. Enumerated data type is ()
a). Primary data type
b). User defined data type
c). Derived data type
d). All
15. Integer data type occupies _____ bytes. ()
a). 1-byte
b). 4-bytes
c). 2-bytes
d). 10 bytes
16. _____ keyword is used to declare a character data. ()
a). int
b). float
c). string
d). char
17. Solve the following using Nikhilam sutra: ()
a) 12×13
b) 9×8
c) 16×11
18. Evaluate the following: ()
a) $12/19$
b) $23/39$
c) $8/21$
d) $14/31$
19. From which text the first description of Kayastha as a caste is obtained? ()
(a) Jabala Upanishad
(b) Oshanam Smriti
(c) Mundkopianishad
(d) Vishnu Purana
20. In which text Vaishyas are allowed to take an interest? ()
(a) Vishnu Purana
(b) Matsya Purana
(c) Garuda Purana
(d) Baudhayana Sutras

Report 2024-25

A certificate course on conducted “PC Software & C Language in Vedic Mathematics ” was jointly organized by the Department of Computer Science and Mathematics at free of cost to the students. The course duration 30 days with one hour per day including practicals. 30 students enrolled in the course. The course was Inaugurated by the principal Dr.S.Vijayulu Reddy on 09-09-2024. The course coordinators are Dr.V.Balasubramanayam Achari, Reader in Physics and Dr Dhanajaya Reddy, Lecturer in Mathematics. The classes was engaged by the Dr. Dhanajaya Reddy, Lecturer in Mathematics & Sri.K.Eswara Reddy, Guest Lecturer in Computer Science.

After completion of the course the course completion certificates were given to the students on 30th October 2024.

The Course coordinators explained the benefits of the above course in getting jobs along with the Degree Course.



The image shows a document with handwritten signatures and a stamp. The signatures are in green ink. One signature is "Dhanajaya Reddy" with the date "3/11/2024" and "(Dr. Dhanajaya Reddy)" written below it. Another signature is "V. Balasubramanayam Achari" in the top right. A third signature is "S.V. Reddy" in the center. Below the third signature is a purple stamp that reads: "PRINCIPAL GOVT. DEGREE COLLEGE KARVETINAGAR - 517 582. Chittoor Dt. A.P."



Government Degree College, Karvetinagaram

Department of Mathematics & Computer Science

2024-2025

Certificate Course on "PC Software & C Language in Vedic Mathematics"

1. Full Name :
(In Block Letters)

2. Father's Name :
(In Block Letters)

3. Candidate's Address :
(Permanent)

colour photo
only

4. PERSONAL DETAILS:

(A) Date of Birth :
(As per S.S.C.)

(B) Age :

(C) Place of Birth :

Town/Village :

District :

State :

(D) Nationality :

5. Class Now Studying :

I promise to abide by the Rules , Regulations and order of the college and University an Autho ties and officers. I also-declare that the statements I have made in this application from are correct.

Date:

Signature of the Candidate

I agree to the applicant's admission to the..... Course in your College, I shall be responsible or the payment of all his/her fees and other charges. I shall be responsible for his/hr conduct and good behaviour during the period of his/her college career.

Date :

Signature of Father/Guardian

The candidate is admitted/rejected into _____
year during _____

Date :

PRINCIPAL



Government Degree College, Karvetinagaram

Department of Mathematics & Computer Science

2024-2025

Certificate Course on "PC Software & C Language in Vedic Mathematics"

1. Full Name : P.K. Mani Karthan
(In Block Letters)

2. Father's Name : P.N. Krishnan
(In Block Letters)

3. Candidate's Address : Ciyam kandruga
(Permanent)
5-10 - Chittoor, A.P



4. PERSONAL DETAILS:

(A) Date of Birth : 24/02/2005
(As per S.S.C.)

(B) Age : 19 years

(C) Place of Birth :
Town/Village : Ciyam kandruga

District : Chittoor

State : A.P

(D) Nationality : Indian

5. Class Now Studying :

I promise to abide by the Rules, Regulations and order of the college and University authorities and officers. I also declare that the statements I have made in this application form are correct.

P.K. Mani Karthan
Signature of the Candidate

Date:

I agree to the applicant's admission to the..... Course in your College, I shall be responsible for the payment of all his/her fees and other charges. I shall be responsible for his/her conduct and good behaviour during the period of his/her college career.

Signature of Father/Guardian

Date :

The candidate is admitted/rejected into _____
year during _____.

[Signature]
PRINCIPAL

Date :



Government Degree College, Karvetinagaram

Department of Mathematics & Computer Science

2024-2025

Certificate Course on "PC Software & C Language in Vedic Mathematics"

1. Full Name : S. Chakradhar
(In Block Letters)

2. Father's Name : S. Arushotharrajju
(In Block Letters)

3. Candidate's Address : Karvetinagaram.
(Permanent) bazar street.



4. PERSONAL DETAILS:

(A) Date of Birth : 2/5/2006
(As per S.S.C.)

(B) Age : 18 years

(C) Place of Birth : Karvetinagaram

Town/Village : Karvetinagaram, Chittoor, AP-517569

District : Chittoor

State : Andhrapradesh

(D) Nationality : Indian

5. Class Now Studying :

I promise to abide by the Rules, Regulations and order of the college and University authorities and officers. I also declare that the statements I have made in this application are correct.

Signature of the Candidate

Date:

I agree to the applicant's admission to the..... Course in your College, I shall be responsible for the payment of all his/her fees and other charges, I shall be responsible for his/her conduct and good behaviour during the period of his/her college career.

Signature of Father/Guardian

Date :

The candidate is admitted/rejected into _____
year during _____

PRINCIPAL

Date :



Government Degree College, Karvetinagaram

Department of Mathematics & Computer Science

2024-2025

Certificate Course on "PC Software & C Language in Vedic Mathematics"

1. Full Name : GUNDRAJULA MONISHA
(In Block Letters)

2. Father's Name : G. Greenivasulu Raju
(In Block Letters)

3. Candidate's Address : velthuru kandriga
(Permanent)
Tirupati - A.P.



4. PERSONAL DETAILS:

(A) Date of Birth : 12/12/2006
(As per S.S.C.)

(B) Age : 18

(C) Place of Birth : velthuru kandriga

Town/Village :

District : Tirupati

State : A.P.

(D) Nationality : Indian.

5. Class Now Studying :

I promise to abide by the Rules, Regulations and order of the college and University authorities and officers. I also declare that the statements I have made in this application are correct.

G. Monisha

Signature of the Candidate

Date:

I agree to the applicant's admission to the..... Course in your College, I shall be responsible for the payment of all his/her fees and other charges. I shall be responsible for his/her conduct and good behaviour during the period of his/her college career.

Signature of Father/Guardian

Date :

The candidate is admitted/rejected into _____
year during _____

[Signature]
PRINCIPAL

Date :



Government Degree College, Karvetinagaram

Department of Mathematics & Computer Science

2024-2025

Certificate Course on PC Software & C Language in Vedic Mathematics



1. Full Name : S. HAFEEZA
(In Block Letters)

2. Father's Name : SHAIK MUSTAFA
(In Block Letters)

3. Candidate's Address : S-243, Pachikapallam,
(Permanent) Pachikapallam(PO), Vedurukuppam (MD), AP, 517569

4. PERSONAL DETAILS:

(A) Date of Birth : 09/08/1999
(As per S.S.C.)

(B) Age : 24 years

(C) Place of Birth : Pachikapalem

Town/Village : Pachikapalem, CHITTOOR, AP, 517569.

District : CHITTOOR

State : ANDHRA PRADESH

(D) Nationality : INDIAN

5. Class Now Studying :

I promise to abide by the Rules, Regulations and order of the college and University an Autho ties and officers. I also-declare that the statements I have made in this application from are correct.

S. Hafeeza
Signature of the Candidate

Date:

I agree to the applicant's admission to the..... Course in your College, I shall be responsible or the payment of all his/her fees and other charges. I shall be responsible for his/hr conduct and good behaviour during the period of his/her college career.

Signature of Father/Guardian

Date :

The candidate is admitted/rejected into _____
year during _____

PRINCIPAL

Date :



Government Degree College, Karvetinagaram

Department of Mathematics & Computer Science

2024-2025

Certificate Course on "PC Software & C Language in Vedic Mathematics"



1. Full Name : P. Manoj Kumar
(In Block Letters)

2. Father's Name : P. Narasimhulu
(In Block Letters)

3. Candidate's Address : Podirikuppam, 5-185
(Permanent)
Chittoor - A.P.

4. PERSONAL DETAILS:

(A) Date of Birth : 7/01/2007
(As per S.S.C.)

(B) Age : 17 years

(C) Place of Birth :

Town/Village : Podirikuppam,

District : Chittoor

State : A.P

(D) Nationality : Indian.

5. Class Now Studying :

I promise to abide by the Rules, Regulations and order of the college and University authorities and officers. I also declare that the statements I have made in this application are correct.

P. Manoj Kumar
Signature of the Candidate

Date:

I agree to the applicant's admission to the..... Course in your College, I shall be responsible for the payment of all his/her fees and other charges. I shall be responsible for his/her conduct and good behaviour during the period of his/her college career.

Signature of Father/Guardian

Date :

The candidate is admitted/rejected into _____
year during _____

[Signature]
PRINCIPAL

Date :

No	Name of the Student	09.09.2024	10.09.2024	11.09.2024	12.09.2024	13.09.2024	17.09.2024	18.09.2024	19.09.2024	20.09.2024	21.09.2024	23.09.2024	24.09.2024	25.09.2024	26.09.2024	28.09.2024	30.09.2024	01.10.2024	03.10.2024	04.10.2024	05.10.2024	06.10.2024	07.10.2024	08.10.2024	09.10.2024	10.10.2024	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024	16.10.2024	17.10.2024	18.10.2024	19.10.2024	20.10.2024			
1	S JHANSI KUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
2	G JANA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
3	G SAI	/	/	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
4	K GUNA DEEPIKA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
5	C CHANIKYA	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
6	V ARUL	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
7	S HAFEEZA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
8	P MANOJ KUMAR	/	/	/	/	a	/	a	/	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
9	P K MANIKANTAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
10	G MONISHA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
11	S CHAKRADHAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
12	D JAYA SRI	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
13	P STEEFAN	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
14	T R ABHINESHAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
15	K NITHYANANDAM	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
16	P S DILEEP	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
17	ABHISHEK M	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
18	ADI BODAGALA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
19	AJAY KUMAR MARAKALA	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
20	AJAY VEERAMANGALAM	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	ANUSHA PALLIPATTU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	BABU ERIKAMBATTU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	BALAJI KOTHAPALLI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	BHARATH MUTTUKURU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	CHARAN BABU SETTIPALLI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	CHINNARASU P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	DEVARAJULU VELLURU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	DHEENA G	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	DIVYA KOTHURU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	ESWAR NAMBI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Signature of the Faculty		[Handwritten signatures]																																					

Government Degree College, Karvetinagaram

Department of Mathematics & Computer Science

2024-2025



Certificate Course on “PC Software & C Language in Vedic Mathematics”

This is to certify that Mr./Ms. _____ of

_____ Class completed Certificate Course in “PC Software & C Language in Vedic Mathematics” conducted by the Department of Mathematics & Computer Science , during the academic year 2024-2025.

Course Organizer

Head of the Department

Principal

Inaugural Function: 09.09.2024





SC	Male	-10
	Female	-1
ST	Male	-0
	Female	-0
BC	Male	-8
	Female	-4
OC	Male	-2
	Female	-1
Total :		26

GOVERNMENT DEGREE COLLEGE KARVETINAGARAM DEPARTMENT OF COMPUTER SCIENCE	
COURSE OBJECTIVES AND OUTCOMES	
UNIT	OBJECTIVES & OUTCOMES
1	...
2	...
3	...
4	...
5	...

DEPARTMENT OF COMPUTER SCIENCE		
ADMISSION POLICY		
I.B.Sc./MPCS	SC	10
	ST	5
	BC	10
	OC	5
Total		25

I.B.Sc./MPCS		
SC	10	
ST	5	
BC	10	
OC	5	
Total		26

SC	Male	-10
	Female	-1
ST	Male	-0
	Female	-0
BC	Male	-8
	Female	-4
OC	Male	-2
	Female	-1
Total :		26

Valedictory Function : 30.10.2024

