

**GOVT. DIGVIJAY AUTONOMOUS P.G. COLLEGE,
RAJNANDGAON (C.G.)**



DEPARTMENT OF COMPUTER APPLICATIONS
PROGRAMME OUTCOMES AND COURSE OUTCOMES
2023-24

Department of Computer Application

BCA(Bachelor of Computer Application)

Session -2023-24

BCA (Ist / IInd Semester)

Program Outcome (PO)

- Po1- The Outcome of this course is to provide fundamental information about computer and their components. It also provides us knowledge and skill of languages and gates.
- Po2- To learn advance drawing and creativity in multimedia and application.
- Po3- To understand students how to deal with computer, how to execute any programs, bugs, gates, web designing etc.
- Po4- Prepare the students to provide professional solutions to real time Problems.
- Po5-Prepare the students with exceptional skills of problem solving, communication and leadership skills.

Program Specific Outcome(PSO)

- PSO1- Student able to enhance their skills in various programming languages.
- PSO2- Student should be able to know about designing on web , cyber security and languages.
- PSO3- Students also have their ability in the field of digital Electronics.
- PSO4- Students can able for managing documents, sheets, PowerPoint and also know about Fundamental of Cyber security.
- PSO5- Students can also improve their communication skills through foundation course and Hindi language.

Course Outcome(CO)

- CO1- To understand working of basic input and output devices.
- CO2- Able to use internet for surfing, searching information on web and so other tasks.
- CO3- To understand the basic structure of C.
- CO4- To enable the students to develop logic and programs.
- CO5- Skill to choose and apply appropriate numerical methods to obtain approximate solution.
- CO6- Understand to create drawing and symbols through multimedia application.
- CO7- Understand the concepts of logic gates and basic electronics.
- CO8- Students are able to know phishing, spam, hacking basics.
- CO9- To understand web application and web designing
- CO10- To understand latest technology artificial intelligence.

BCA (IIIrd / IVth Semester)

Program Outcome (PO)

- Po1- To learn the importance of DBMS in the present scenario and about DBMS architecture & sql to interact with database.
- Po2- To learn advanced features of the C++ programming language and the characteristics of an object-oriented programming language: data abstraction and information hiding, inheritance, and dynamic binding of the messages to the methods.
- Po3- The purpose of the course is to provide students with an understanding of how to analyze, build, and execute programs using unix shell.
- Po4- Prepare the students to provide professional solutions to real time Problems.
- Po5- Prepare the students with exceptional skills of problem solving, communication and leadership skills.

Program Specific Outcome (PSO)

- PSO1- Student will able to know various issues, latest trends in technology..
- PSO2- Student should be able to know about Data, Database, Database connection with languages.
- PSO3- Students also have their ability in the field of networking.
- PSO4- Students can apply their skills in many fields like system analysis, software Developing, testing, database management etc.
- PSO5- Students can also improve their programs through algorithms.

Course Outcome (CO)

- CO1- Student will able to handle database and can work as a database administrator.
- CO2- They will also know about database languages and their commands.
- CO3- To Understand mathematics equation of differential and calculus.
- CO4- Student learn and skilled various operating system .
- CO5- To be able to understand computer system architecture .
- CO6- It can know about secure programming language java with their working.
- CO7- To understand the overall network exist in this world.
- CO8- It can easily understand the programming by algorithms.

BCA (Vth /VIth sem)

ProgramOutcome(PO)

- Po1- The outcome of this course is to understand latest programming language python and dot net technology which is mostly using in various companies and areas. Through students can easily recruit by knowing of this programming language.
- Po2- This course provide us environment for developing a project or software and can also understand about how to make software or procedure of making software/application.
- Po3- The purpose of the course is to understand overall structure of computer system.

ProgramSpecificOutcome(PSO)

- PSO1- Student able to enhance their skills in various programming languages.
- PSO2- Student should be able to know about software and application
- PSO3- Students know about procedure of making software through any languages.
- PSO4- Students will be able for work in different areas.
- PSO5- To pursue the career in corporate sector can opt for MCA.

CourseOutcome(CO)

- CO1- Student will able to handle database and can work as a database administrator.
- CO2- They will also know about wireless and satellite communication.
- CO3- To Understand stastical analysis of maths.
- CO4- Student learn and skilled various operating system .
- CO5- To be able to understand Theory of computation.
- CO6- It can know about secure programming language dot net and python with their working.
- CO7- To understand the overall network exist in this world.
- CO8- It can easily understand the programming by algorithms.

Post-graduation of diploma of computer Application(PGDCA) Session- 2023-24

Program Outcome :-

After Completion of PGDCA program student will be able to-

- To know about fundamental of Computer .
- Students can learn about software/application and website development.
- They can start their own business to perform creating document, excel sheet, image editing, video editing and web/software development.
- Students can create database, websites and applications for their clients.
- Students can also pursue the career of computer operators
- Students can also become network administrators.

Program Specific Outcome:-

- Students become eligible to apply any technical/non technical government and private job.

Course Outcomes :-

PGDCA-101 : Introduction to software organization

- Students know about difference between software and hardware.
- They also learn components of computer.
- Students able to know Memory, Operating system, Internet, E-commerce etc.

PGDCA-102 : Programming in "C"

- Students will able to develop any programs through this programming language.
- Students know Machine, Assembly and high level language.
- Students learn to debug codes and know about error in languages.

PGDCA-103 : Office Automation & Tally

- Through students can easily operate and create any document, presentation and sheets.

- Students know about different kind of features which they can applied in application.
- They know about financial fundamental and accounts.

PGDCA-106 : Python programming

- Students know creating program in python.
- Students know about files, directories and operators.
- Students learn about how to create module.

PGDCA-107 : Database Management System

- Students will able to know about data or records.
- they can create tables and relationship between them.
- students know about database language through data can easly operate and manupulate it.

PGDCA-108 : Essential of E –Commerce & HTML .

- Understand the basic concepts and technologies used in the field of management information systems.
- Understand the processes of developing and implementing information systems;
- Be aware of the ethical, social, and security issues of information systems;

Diploma of Computer Application(DCA)

Session- 2023-24

Program Outcome :- After Completion of DCA program student will be able to-

- To know about fundamental of Computer .
- Students can learn about software/application and website development
- They can start their own business to perform creating document, excel sheet, image editing, video editing and web/software development.
- students with skills required for designing, developing applications in Information Technology.
- DCA program is aimed towards building prospective career in the field of computer application
- Students will also be trained in the latest trends of information technology.

Program Specific Outcome:-

- This program helps learners acquire required skills in Information Technology.

Course Outcomes :-

DCA101 : Essential of Information Technology and OS

- Students will be able to know about storage, input device and output devices
- Students able to know Memory, Operating system, Internet, E-commerce etc
- Know about different types of computer.

DCA102 : Essentials of Office Automation.

- Through students can easily operate and create any document, presentation and sheets.
- Students know about different kind of features which they can applied in application.
- They know about financial fundamental and accounts.

DCA103 : Programming in 'C' Language

- Students will able to develop any programs through this programming language.
- Students know Machine, Assembly and high level language.
- Students learn to debug codes and know about error in languages.

DCA-105 : python programming

- Students know creating program in python.
- Students know about files, directories and operators.
- Students learn about how to create module.

DCA-106 : E-Commerce

- Understand the basic concepts and technologies used in the field of management information systems.
- Understand the processes of developing and implementing information systems;
- Be aware of the ethical, social, and security issues of information systems;

DCA-106 : HTML & Internet Application

- Students can easily design web pages for websites.
- Students know about different kind of features which they can applied in application.
- They know about Internet and their application.

Diploma of Financial Accounting with tally(DFA) Session-2023-24

Program Outcome :-

After Completion of DFA program student will be able to-Its designed for the students wanted to join the field of accounting, finance and taxation in the modern environment nationally and internationally

Program Specific Outcome:-

This program helps learners acquire required skills in Accounting of finance.

Course Outcomes :-

Completion of this program the student will be able to:

- Demonstrate good communication skills at business place
- Calculate different mathematical indicators
- Demonstrate ability to use Microsoft office applications
- Demonstrate intermediate level knowledge of accounting and related courses
- Explain key features of financial accounting
- Use major techniques of managerial accounting
- Calculate taxes and other deductions
- Calculate payrolls and deductions
- Calculate different indicators of finance and personal finance
- Demonstrate usage of software in accounting
- Demonstrate accounts receivable and payable skills



Head
Department of Computer Appl. Sci