

“Dissemination of Education for Knowledge, Science and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)

Department of Bachelor of Computer Application



(स्वायत्त) कोल्हापूर

Course Outcomes 2023-2024

BCA-I

Course Outcomes (Sem-I)

Name of Course - Programming in C -I

Course Code - DSC04COM11

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the problem solving techniques
2	Develop algorithm and flowcharts for different problems
3	Design programs using control statements.
4	Handle multi-dimensional array.

Name of Course - Basic Web Technology

Course Code - DSC04COM12

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the basic working of Internet and its main services.
2	Create web pages using HTML.
3	Applying CSS styles in web page development.
4	Utilize theoretical skills and practical experience of web design.



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Name of Course- Financial Accounting with Tally - I

Course Code - MIN04ACC11

Course Outcomes	
On Completion of the course, student will be able to:	
1	Developing the ability to uses accounting concepts and principles.
2	Use basic accounting terminology, procedures and systems of maintaining accounts records
3	Understand the need for Journal.
4	Develop the understanding for posting of transaction and balancing of account.

Name of Course - Principles of Management -I

Course Code - MIN04MGT11

Course Outcomes	
On Completion of the course, student will be able to:	
1	Students will be component to deliver the basic managerial function.
2	Student will be able to design appropriate organizational structure for smooth running of organization
3	Students will be able to understand functions of staffing.
4	To gain knowledge about all management process and create understanding in detail about the application of management

Name of Course - Mathematics - I

Course Code - OEC04MAT11

Course Outcomes	
On Completion of the course, student will be able to:	
1	Familiarize basic Concept of Set theory.
2	Recognize different types of function.
3	Compute the addition and multiplication of matrices.
4	Find inverse of matrices by Elementary transformation and Adjoint method.



Name of Course - Statistics -I

Course Code - OEC04STA11

Course Outcomes	
On Completion of the course, student will be able to:	
1	Demonstrate understanding of descriptive statistics by practical application of quantitative reasoning and data visualization.
2	Calculate and interpret the various descriptive measures for centrality and dispersion
3	Enumerate various measures of dispersion
4	To compute correlation coefficient and its interpretation, compute regression coefficients and regression lines.

Name of Course - English

Course Code - AEC04ENG11

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the concept, process and importance of communication.
2	Gain knowledge of media of communication.
3	Develop skills of effective communication - both written and oral.
4	Familiar with interdepartmental communication.

Name of Course- Lab Course Based on Programming in C-I

Course Code – DSC Computer Lab-I

Course Outcomes	
On Completion of the course, student will be able to:	
1	To learn advance structured and procedural programming and to improve C programming skills.
2	To understand the basic structure of a C program.
3	To gain knowledge of various programming errors.
4	To enable the students to make flowchart and design an algorithm for a given problem.



Name of Course- DSC Computer Lab-II

Course Code- DSC04PRB19

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the basic working of internet and its main services.
2	Create web pages using HTML & Applying CSS Styles in web page development.
3	Understand the table handling tags, Frames and Frameset for designing web pages
4	To gain knowledge on designing static web pages

Name of Course- OEC-MATHS Lab-I

Course Code- DSC04PRB19

Course Outcomes	
On Completion of the course, student will be able to:	
1	To impart the required knowledge of Mathematics and statistics for managerial activities among students.
2	To inculcate in students the fundamental mathematical background in computer science.
3	To gain knowledge about Sets, Relations Functions, Matrices, Mathematical logic, and Group theory.
4	Develop analytical ability to solve real-world problems using these methodologies.

Name of Course- OEC- STAT Lab-I

Course Code- DSC04STA19

Course Outcomes	
On Completion of the course, student will be able to:	
1	Construction of frequency distribution and graphical methods.
2	Compute measures of central tendency to various data set
3	Compute measure of dispersion to various data set
4	Compute correlation coefficient, regression coefficient



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Course Outcomes

Course Outcomes 2023-2024

BCA-I

Course Outcomes (Sem-II)

Name of Course- Programming in C Part II

Course Code - DSC04COM21

Course Outcomes	
On Completion of the course, student will be able to:	
1	Ability to design and develop Computer programs, analyzes, and interprets the concept of pointers, declarations, initialization, operations on pointers and their usage
2	Able to define data types and use them in simple data processing applications also he/she must be able to use the concept of array of structures and file Handling.
3	Develop confidence for self-education and ability for life-long learning needed for computer language.
4	Students can write programs using advance C concepts.

Name of Course- Advance Web Technology

Course Code - DSC04COM22

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand Web designing techniques.
2	Develop commercial web development.
3	Integrate java and server side scripting languages to develop web applications.
4	Create well-formed valid HTML documents



Name of Course - Financial Accounting with Tally - II

Course Code - MIN04ACC21

Course Outcomes	
On Completion of the course, student will be able to:	
1	Develop the skill of preparing trial balance by balance method.
2	Students learn to prepare final accounts of Sole Trading concern.
3	Learn to create company, enter accounting voucher entries and also print financial statements etc. in tally
4	Demonstrate various reports in tally

Name of Course - Principle of Management - II

Course Code - MIN04MGT21

Course Outcomes	
On Completion of the course, student will be able to:	
1	To know the principle of directing
2	Students will be able to understand various theories of motivation
3	To gain understanding the qualities of leadership
4	Identify and apply appropriate management techniques for organization; and understand social responsibility involved in business situation.



Name of Course – Mathematics -II

Course Code - OEC04MAT21

Course Outcomes	
On Completion of the course, student will be able to:	
1	Have substantial experience to comprehend formal logic arguments.
2	The ways to select certain objects to form with or without replacements.
3	Define a permutation and explain how to calculate one.
4	The basic concept of graph theory.

Name of Course – Statistics -II

Course Code - OEC04STA21

Course Outcomes	
On Completion of the course, student will be able to:	
1	Distinguish between Deterministic and Non-deterministic experiments.
2	Understand the basic concepts of probability, conditional probability and independence of events.
3	Learn theorems on probabilities and compute probabilities.
4	Understand the concept of discrete random variable, probability distributions and mathematical expectation.

Name of Course- English

Course Code - AEC04ENG21

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the concept, process and importance of communication network.
2	Gain knowledge of interdepartmental communication network.
3	Develop skills of effective communication - both oral and written
4	Familiar with business correspondence.



Name of Course – DSCComputerLab-III

Course Code - DSC04PRA29

Course Outcomes	
On Completion of the course, student will be able to:	
1	Ability to design and develop Computer programs, analyzes, and interprets the concept of pointers, declarations, initialization, operations on pointers and their usage.
2	To develop students' understanding through laboratory activities to solve problems related to above stated concepts.
3	Apply pointers for developing simple programs
4	Handle file for real time application

Name of Course – DSCComputer Lab-IV

Course Code - DSC04PRB29

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand Web designing techniques.
2	Develop commercial web development.
3	Organize content, hosting and web publishing.
4	Create well-formed valid HTML documents.

Name of Course – OEC-MATHS Lab-II

Course Code - DSC04MAT29

Course Outcomes	
On Completion of the course, student will be able to:	
1	To inculcate in students the fundamental mathematical background in computer science.
2	To gain knowledge about Mathematical logic, permutation, combination and Group theory.
3	Understand the basic concepts of Mathematical logic, permutation, combination and Group theory.
4	Develop analytical ability to solve real-world problems using these methodologies.



Name of Course – OEC- STAT Lab-II

Course Code - DSC04STA29

Course Outcomes	
On Completion of the course, student will be able to:	
1	Compute probabilities to different events
2	Understand the concept of discrete random variable, probability distribution and mathematical expectations
3	Apply various discrete distributions
4	Acquire a concise and clear description of statistical problems.




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Course Outcomes 2023-2024

BCA-III

Course Outcomes (Sem-V)

Name of Course- ASP.Net with C#

Course Code- CC BCA-1419E

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the Microsoft .NET framework and ASP.NET page structure.
2	Design web applications with variety of controls.
3	Access the data using inbuilt data access tools.
4	Configure and deploy web application.

Name of Course- Cloud Computing

Course Code- CC BCA-1420E

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the fundamental principles of Cloud Computing.
2	Understand the importance of virtualization in distributed computing and how this has enabled.
3	Describe the principles of Parallel and Distributed Computing and evolution of cloud computing from existing technologies.
4	Implement different applications of Cloud Computation in different sectors.



Name of Course- Computer Networking

Course Code- CC BCA-1421E

Course Outcomes	
On Completion of the course, student will be able to:	
1	Define, use and implement Computer Networks and the basic components of a Network system.
2	Know and Apply pieces of hardware and software to make networks more efficient, faster, more secure, easier to use,
3	Able to transmit several simultaneous messages, and able to interconnect with other networks.
4	Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.

Name of Course- Python Programming

Course Code- CC-DSE- BCA-1422E

Course Outcomes	
On Completion of the course, student will be able to:	
1	Interpret the fundamental Python syntax and semantics and be fluent in the use of Python control flow statements.
2	Determine the methods to create and manipulate Python programs by utilizing the data structures like lists, dictionaries, tuples and sets.
3	Articulate the Object-Oriented Programming concepts such as encapsulation, inheritance and polymorphism as used in Python.
4	Identify the commonly used operations involving file systems and regular expressions.

Name of Course- R Programming

Course Code- CC-DSE BCA-1422E

Course Outcomes	
On Completion of the course, student will be able to:	
1	The basics of statistical computing and data analysis
2	To use R for analytical programming
3	Object-oriented programming concepts in R
4	To perform error handling



Name of Course- Digital Marketing

Course Code- CC-GE BCA-1423E

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the impact of technology on the traditional marketing mix.
2	Understand how they can use digital marketing to increase sales and grow their business
3	Understand the basics of the digital marketing tool kit
4	Become familiar with the elements of the digital marketing plan

Name of Course- Management Information System

Course Code- CC-GE BCA-1423E

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the fundamental principles of information systems.
2	Describe the types of management and decision making.
3	Demonstrate different types of IS used in business.
4	Explain various applications of MIS.

Name of Course- Lab Course-I Based on ASP.Net with C# and DSE

Course Code- CCL BCA-1424E

Course Outcomes	
On Completion of the course, student will be able to:	
1	An ability to design, implements, and evaluate a computer-based system, process, component, or program to meet desired needs.
2	An ability to use current techniques, skills, and tools necessary for computing practice.
3	To read and write simple Python programs.
4	Ability to explore python especially the object oriented concepts, and the built in objects of Python



Name of Course- Mini Project

Course Code- CCL BCA-1425E

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand how to identify the issues and challenges of industry.
2	Prepare report on the application of emerging technologies in the selected industry.
3	Implement hardware and/or software techniques for identified problems.
4	Test and analyze the modules of planned project.

Name of Course – Soft Skill

Course Code- BCA-SEC-II

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understood what soft skill is.
2	To build better ability to work with others.
3	Understood the significance of soft skills in the working environment
4	Able to build Employability skills with time and resource management





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Course Outcomes

BCA-III

Course Outcomes (Sem-VI)

Name of Course- Java Programming

Course Code- CC BCA-1426F

Course Outcomes	
On Completion of the course, student will be able to:	
1	To make it portable, simple and secure programming.
2	To learn why java is useful for design of desktop and web application.
3	To learn how to implement object-oriented design with java.
4	To understand how to use java API's for program development.

Name of Course- Data Warehousing and Data Mining

Course Code- CC BCA-1427F

Course Outcomes	
On Completion of the course, student will be able to:	
1	Define the Data warehouse architecture and its Implementation.
2	Describe the Architecture of a Data Mining system.
3	Understand the various Data preprocessing Methods
4	Perform classification and prediction of data



Name of Course- Android Programming
Course Code- CC BCA-1428F

Course Outcomes	
On Completion of the course, student will be able to:	
1	Understand the building blocks of Mobile Operating Systems.
2	Analyze different elements of Android Development Environment.
3	Illustrate the structure of Mobile Applications using Android.
4	Identify different components used in Mobile Applications using Android.

Name of Course- Internet of Things
Course Code- CC BCA-1428F

Course Outcomes	
On Completion of the course, student will be able to:	
1	To design some IOT based prototype.
2	Analyze the different digital marketing avenues.
3	Examine digital marketing tools.
4	Build real life problems in the domain of digital marketing.

Name of Course- M – Commerce
Course Code- CC BCA-1429F

Course Outcomes	
On Completion of the course, student will be able to:	
1	To understand the concept of e-commerce.
2	To know the application of m-commerce.
3	To understand the concept of m-commerce.
4	To understand the security threats of m-commerce.



Name of Course- ERP
Course Code- CC BCA-1429F

Course Outcomes	
On Completion of the course, student will be able to:	
1	To understand the basic concept of ERP systems.
2	To study the steps and activities in the ERP.
3	To develop a process driven thinking towards business processes.
4	To understand the role of ERP in business planning activities.

Name of Course – Lab-I Course IX Based on 1427F
Course Code- CCL BCA-1430F

Course Outcomes	
On Completion of the course, student will be able to:	
1	Implement the Concept of OOP in Java through simple programs.
2	Implementation and Evaluation of concept related to class and inheritance, concept of Multiprogramming and Exception Handling
3	To write programs for solving real world problems.
4	To write multithreaded programs

Name of Course – Lab-II Course X Based on DSE
Course Code- CCL BCA-1431F

Course Outcomes	
On Completion of the course, student will be able to:	
1	Design Mobile Applications using different UI components in Android.
2	Apply Android Application Framework to develop mobile application
3	Write simple programs and develop small applications using the concepts of UI design, layouts and preferences
4	Implement activities with dialogs, spinner, fragments and navigation drawer by applying themes



Name of Course – Major Project

Course Code- CCL BCA-1432F

Course Outcomes	
On Completion of the course, student will be able to:	
1	Students should be able to design and construct a hardware and software system, component, or process to meet desired needs.
2	Students are provided to work on multidisciplinary Problems.
3	Students should be able to work as professionals, with portfolio ranging from data management, network configuration, designing hardware, database and software design to management and administration of entire systems.

Name of Course – Industrial Visit

Course Code- BCA 1432F

Course Outcomes	
On Completion of the course, student will be able to:	
1	Industrial visits provide the students with an opportunity to learn practically through interaction, working methods and employment practices.
2	Industrial realities are opened to the students through industrial visits.
3	It gives the students an exposure to current work practices as opposed to theoretical knowledge being taught at their college classrooms.
4	Industrial visits are arranged by colleges for their respective students with an objective of providing them an opportunity to explore the different industry sectors like IT, manufacturing, services, finance and marketing.



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