

Course Outcomes

B.A. I- Sem.-I&II -under CBCS

Sub- Indian Economy

❖ The students will be able to-----

1. Learn the policy and performance of major sectors Indian economy.
 2. Understand the economic Reforms introduction in India since-1991.
 3. Study the growing importance of service sector in India.
 4. Acquaint the structure Indian economy and changes taken place there in.
 5. Study the causes of growth of population in India and its Impact on economics development. and population policy-2000.
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B.A.II- Sem.-III& IV- under-CBCS

Sub- Money and Banking

1. Learners will understand the banking and its functioning in India.
2. Learners will understand the important recent trends in banking system.
3. Students will be able to use e-banking services.
4. Students will be able explain working of RBI in India.
5. Students will be able to provide consultancy and guidance for investment in financial markets.

Economics

Course Outcomes

CBCS- B.Com-II Sem-III& IV

Sub- Money and Financial System

- 1] Learners will be able to explain Functions of Money and measurement of money supply.
 - 2] Learners will understand the banking system and its functioning in India.
 - 3] Learners will understand the nature of Banking business and business practices.
 - 4] Learners will understand the important recent trends in banking system.
 - 5] Students will be able to use e-banking services.
 - 6] Students will be able explain working of RBI-India.
 - 7] Student will be able to provide consultancy and guidance for investment in financial markets.
 - 8] Student will be able to explain the business practices of NBFC_s and AIFI.
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B.Com-III Sem-V& VI - under-CBCS

Sub- Co-Operative Development

1. To study the meaning and principles of co-operation.
2. To study the Agricultural and Non- Agricultural Credit Co-operative Institutions.
3. To study the Co-operative Credit system.
4. To study the important Co-operative Organizations.
5. To study the Co-operative legislations and Fund management.
6. To understand the institutional arrangement for Co-operative education and training.
7. To understand the nature, registration, legislation and audit of housing Co-operatives.
8. To understand the Co-operative audit system & provisions.

3. B.Com. : Course Outcome

S.N.	Course	Outcome
1	Principle of Business Management	<p>CO1. To acquaint the students with the basic principles and functions of business management.</p> <p>CO2. To make the students familiar with the professional management and the emerging horizons in the field of Management</p> <p>CO3. To familiarize the students with the basic concepts and principles of management. The student should clearly understand the definitions of different areas of management.</p>
3	Financial Accounting	<p>CO1. To impart basic accounting knowledge as applicable to Business</p> <p>CO2. To acquaint the students with the final accounts of partnership firms.</p> <p>CO3. . To make the students familiar with the consignment account and single entry system</p>
4	Principles of Marketing	<p>CO1. To enable the students to understand the principles of Marketing.</p> <p>CO2. To familiarize the students various concepts of the marketing.</p> <p>CO3. To know the students various advertising medias and distribution channels.</p> <p>CO4. To know the 7 Ps of Marketing</p>
5	Insurance	<p>CO1. To enable the students to know the fundamentals of Insurance.</p> <p>CO2. To expose the students to procedural part and</p>

		<p>documentation in Life Insurance business.</p> <p>CO3. To create awareness among the students to become a life Insurance Agent.</p> <p>CO4. To enables the students to know the fundamentals of General Insurance.</p> <p>CO5. To expose the students to procedural part and documentation in General Insurance business.</p>
6	Fundamentals of Entrepreneurship	<p>CO 1. To impart theoretical knowledge of Entrepreneurship</p> <p>CO 2. To develop Entrepreneurship qualities and skills</p> <p>CO 3. To acquaint students with Steps involved in the formation of Small Enterprises</p> <p>CO 4. To enlighten students with Recent Trends and Concepts in Entrepreneurship</p> <p>CO5. To acquaint students with family business in India</p> <p>CO6. To impart conceptual knowledge of Service and Agro Entrepreneurship</p> <p>CO7. To aware students about Business Plan and Project Report</p> <p>CO8 . To inspire the students through successful stories of Entrepreneurs</p>
7	Money and Financial System	<p>CO 1. Student can be able to explain functions of money and measurement of money supply</p> <p>CO 2 Student will understand the banking system and its functioning in India</p> <p>CO 3. Student will understand the nature of banking business and business practices</p> <p>CO 4. Student will understand the important recent trends in banking system</p> <p>CO5 Students will be able to use e-banking services</p> <p>CO6. Students will be able explain working of RBI in</p>

		<p>India</p> <p>CO7. Students will be able to provide consultancy and guidance for investment in financial markets</p> <p>CO8 . Students will be able to explain the business practices of NBFCs and AIFI</p>
8	Corporate Accounting	<p>CO1 To explain the accounting entries of issue and forfeiture of shares and re-issue of forfeited shares, discuss accounting treatment for redemption of preference shares and buyback of shares.</p> <p>CO2 Demonstrate accounting for issue of debentures and redemption of debentures.</p> <p>CO3 To simulate practice of preparing financial statements as per the provisions of Indian Companies Act 2013.</p> <p>CO4 Explain the accounting entries of profit/loss prior to incorporation.</p> <p>CO 5 Compute the value of shares as per distinct methods and differentiate between them.</p> <p>CO6. Simulate practice of accounting for liquidation of companies.</p> <p>CO7. Practice the fundamental accounting process on Tally ERP</p>
9	Business Statistics	<p>CO 1. Explain the scope of statistics in business, perform classification and tabulation, and represent the data by means of simple diagrams and graphs.</p> <p>CO 2. Explain and apply sampling techniques in real life.</p> <p>CO 3. Summarize data by means of measures of central tendency and dispersion.</p> <p>CO 4. Explain the merits and demerits of various measures of central tendency and dispersion.</p> <p>CO 5. Perform analysis of bivariate data using simple correlation and simple linear regression.</p> <p>CO6. Compute unconditional and conditional probabilities and apply laws of probabilities.</p>

		<p>CO7. Identify the applications of Binomial and normal distributions.</p> <p>CO8. Measure trend and seasonal variations in time series data.</p> <p>CO9. Compute and interpret simple and weighted index numbers.</p> <p>CO10 . Construct and apply variable and attribute control charts.</p>
10	Macro Economics	<p>CO1 Student able to know the macro variables and components of macro economics</p> <p>CO12 Student able to know the relevance of national income concepts and its applications in economic policy making.</p> <p>CO3 Student able to know the Changing value of money and its impacts on economy.</p> <p>CO4 Student able to know the output and employment generation process through investment and consumption.</p> <p>CO5 Student able to know the trade cyclical phenomenon in the economy and they will able to take practical decisions at their business level in future.</p> <p>CO6. Student able to know the Public finance system of state and its impact on economy and citizens of the nation.</p> <p>CO7. Student able to know the trade and business practices through international trade theories and other relevant concepts.</p> <p>CO8 . Student able to know the international monetary exchange system and determination of rate exchange</p>
11	Modern Management	<p>CO1. To make students familiar with the modern management practices being used by the corporate</p>

	Practices	sector. CO2. To expose the students to importance and applicability of various modern management practices.
12	Business Regulatory Framework	CO1. This course is designed to acquaint the commerce students with the knowledge of Business Laws and how these laws affect the trade, industry and corporate sector in the country. CO2. The course also takes care of the developments of information technology in business and information rights of the citizens by including the cyber Law and Right To Information Act
13	Co-Operative Development	CO1. To study the meaning and principles of co0operation CO2. To study the agricultural and non agricultural credit co-operative institutions CO3. To study the co-operative movement in Maharashtra CO4. To study the impact of Globalization on co-operative movement.
14	Advanced Accountancy	CO1. To expose students to advanced accounting issues and practices. CO2. To expose students to Cost Accounting & Management Accounting CO3. To acquaint the students about Final Accounts of Bank CO3.To obtain knowledge of fire insurance claims and hire purchase system

15	Advanced Accountancy (Auditing)	<p>CO1. To acquaint the students with the meaning and process of auditing</p> <p>CO2. To introduce the students with the computation of taxable income from salary, business and house property etc.</p>
16	Advanced Accountancy (Taxation)	<p>CO1.To obtain knowledge of various provisions of the Income Tax Act and their application in Computation of income of individuals under Varian’s heads of income.</p> <p>CO2.To obtain knowledge of provisions of Income Tax Act relating to various procedural and administrative matters and of (computation of income under various heads relating to all types of assesses other than individual.</p> <p>CO3. The Course is designed to provide understanding of Direct Tax Laws including Rules pertaining thereto and application to different business situations.</p>

4. B.Com. : Program Outcome

Shivaji University has introduced the B.Com. syllabus which is three years program. Consisting of eighteen subject. Each year there are six subjects in each semester. There are eleven optional subjects (Advanced Accountancy, Advanced Costing, Taxation Management, Public Economics, Insurance, Marketing, Advanced Banking, Rural Economics and Cooperation, Advanced Statistics, Industrial Management and E-Commerce) to complete B.Com programme in Shivaji University. The Smt. Kusumtai Rajarambapu Patil Kanya Mahavidyalaya, Islampur offers Accountancy as an optional subject for completion of B.Com. degree course The Shivaji University is framed commerce syllabus in such a manner that the commerce graduates will have the capacity to:

PO1: Effective decision makers in business and commerce.

PO2: Employability: The enhancement of employability of Students through commerce education in various field such as Insurance sector, Banking sector, industries etc

PO3: Self Employment: The commerce graduates are able to do self businesss or profession such as small business, auditing and accounting of various organizations etc.

PO4: Competitive Exam: Learn economics, management, marketing as an important subjects for various competitive examinations after being graduate.

PO5: Development of soft skills: students enrich their soft skills through statistical tools and techniques.

PO6: Students will build their business management knowledge and

PO7. It will prepare students for entry level positions in Marketing. They will become marketing leader

PO8. They will recognize the important and value of statistical and approach to problem solving, or a diverse verify of disciplines.

PO9.It will nature amongst the students about leadership qualities.

PO9. The students are able to know fundamentals of insurance & its procedural part

PO10.The students are familiarize with the working knowledge of generally accepted auditing procedure, skills and techniques

PO11.They will recognize the various provisions of The Income Tax Act and their application in computation of income of individuals & firms

COURSE OBJECTIVE-B.SC

Dept. of Microbiology

- 1.The Students will acquire knowledge regarding laboratory safety and in routine microbiological skills.
- 2.Students will able to report accurately their observations and develop analytical skills.
- 3.Students are able to understand wide range of biochemical techniques.
- 4.Students will be equipped with the knowledge to handle microbes and basic instrumentation used in Micobioloical laboratory.
- 5.The students will be able to communicate scientific concepts experimental details and improve scientific writing skills.

Programme outcomes-

- 1.To make the students knowledgeable with respect to the subject and its practical applicability.
- 2.To promote understanding of basic and advanced concepts in Microbiology.
- 3,To prepare students to various emerging areas of Microbiology .
- 4.To prepare students for further studies helping in their bright career in the subject.
- 5.To develop their ability to apply the knowledge of Microbiology in day to day life.
- 6.To prepare the students to accept the challenges in life sciences.
- 7.To develop skills required in various research areas , Industries, and in the field of human health.
8. To create awareness regarding role of microorganisms in Industry.

Programme specific outcomes-

- 1.The core course includes detail study of microorganisms , Immunology, Biochemistry, Medical microbiology, Virology, Genetics, Industrial Microbiology etc.
- 2.After successful completion of course, students will get detailed fundamental knowledge of basic techniques, skills, laboratory equipments and Microbiological procedures.

3.The course provide the students an opportunity to gain hands on experience in using laboratory equipments and could enrich them to perform high research.

4.The course will help the students to execute effective project work in multidisciplinary environment and to develop awareness regarding role of microorganisms in various fields for human benefits.

5.The course will help the students in understanding advanced diagnostic procedures, application of drug for treatment , preparation and use of biofertilizers and research related to molecular genetics.

ZOOLOGY

COURSE OUTCOMES

- 1) To impart knowledge is the basic aim of education. The students are expected to acquire the knowledge of animal science, natural phenomenon, manipulation of nature & environment by man.
- 2) Understanding the scientific terms, concepts, facts, phenomena & their interrelationships.
- 3) Applications of the knowledge.
- 4) To develop skills in practical work, experiments & laboratory materials, instruments.
- 5) To develop interests in the subject & scientific hobbies.
- 6) To develop scientific attitude which is the major objective. This makes the students open minded, critical observations, curiosity, thinking etc.
- 7) Abilities to apply scientific methods, collection of scientific data, problem solving, organize science exhibitions, clubs etc.
- 9) Appreciation of the subject, contributions of scientists, scientific methods,

M.Sc. Computer Science

Program Outcomes (POs)

At the end of the Master of Science (Computer Science) Programme, graduating students/graduates will be able to:

1. Communicate computer science concepts, designs, and solutions effectively and professionally
2. Apply knowledge of computing to produce effective designs and solutions for specific problems
3. Identify, analyse, and synthesize scholarly literature relating to the field of computer science
Use software development tools, software systems, and modern computing platforms.
4. Prepare for academic roles through NET/SET/PhD
5. Apply design and development principles in the construction of software systems of varying complexity.

Program Specific Outcomes (PSOs)

1. Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems.
2. Ability to understand the structure and development methodologies of software systems.
3. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a broad range of programming language and open source platforms.
4. Be acquainted with the contemporary issues, latest trends in technological development and thereby innovate new ideas and solutions to existing problems.

M.Sc. Computer Science Part-I Sem- I & II

Course outcomes:

Name of Course	Course Outcomes
CC-101: Design and Analysis of Algorithms	<ol style="list-style-type: none">1. Analyse the asymptotic performance of algorithms.2. Demonstrate a familiarity with data structures and algorithms.3. Compare algorithms based on time & space complexity.4. Employ graphs to model real life problems, when appropriate. Develop algorithms that employ graph computations as key components, and analyse them.5. Mapping of data structures like Stack, Queue and Linked List to real life problems.6. Master the implementation of linked data structures such as linked lists and binary trees.7. Be familiar with advanced data structures such as balanced search trees, hash tables, Red- Black trees, Btrees.8. Understand Divide & Conquer approach, Greedy algorithm, Backtracking approach for algorithm design.9. Be familiar with Branch and Bound & Dynamic programming
CC-102: Python Programming	<ol style="list-style-type: none">1. Understand principles of Python2. Understand object oriented programming3. Demonstrate file handling techniques4. Understand how Python can be used for application development5. Design Real life problems and think creatively about solution of them6. Apply a solution clearly and accurately in a program using python
CC-103: Database Management System	<p>After successful completion of the course, the student will be able to</p> <ol style="list-style-type: none">1) Define the terminology, features, classifications, and characteristics embodied in database systems.2) Demonstrate an understanding of the relational data model.3) Transform an information model into a relational database schema and to use a data definition language and/or utilities to implement the schema using a DBMS.

	<p>4) Formulate, using SQL, solutions to a broad range of query and data update problems.</p> <p>5) Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database.</p> <p>6) Use an SQL interface of a multi-user relational DBMS package to create, secure, populate, maintain, and query a database.</p> <p>7) Use PL/SQL for handling data in a database as per the user's requirement using programming features.</p> <p>8) Define various cursors and its implementation along with procedure and functions.</p>
OE-104: Cyber Security	<p>1) Realize the need for Cyber Security</p> <p>2) Understand the need for Security in day to day communications</p> <p>3) Understand the vulnerabilities in the Network and Computer System</p> <p>4) Understand the cyber law and Cyber Forensics</p>
CCPR-107: Project	<p>1) Gain skills as they apply knowledge effectively in diverse contexts.</p> <p>2) Analyse and model requirements and constraints for the purpose of designing and implementing software artefacts and IT systems</p> <p>3) Design and implement software solutions that accommodate specified requirements and constraints, based on analysis or modelling or requirements specification</p> <p>4) Present a clear, coherent and independent exposition of software applications, alternative IT solutions, and decision recommendations to both IT and non-IT personnel via technical reports of professional standard and technical presentations.</p> <p>5) Team work: Work effectively in different roles, to form, manage, and successfully produce outcomes from teams, whose members may have diverse cultural backgrounds and life circumstances, and differing levels of technical expertise.</p>
CC-201: Web Technology	<p>1.To familiarize a student with windows and web-based application</p> <p>2.To provide a student with the solid foundation of the syntax and semantics of C# as well as architecture of the .NET framework</p>

	<p>3. Debug and deploy ASP.NET web applications</p> <p>4. Discuss the insights of internet programming and implement complete application over the web</p> <p>5. To inculcate skills pertaining to data access technology geared to facilitate the development of disconnected systems using .NET platform.</p> <p>6. To familiarize the student with the development of windows-based application using C#</p> <p>7. To familiarize the student with the development of web-based application using ASP.NET</p> <p>8. Handle various toolkit like AJAX</p> <p>9. Utilize the concepts of JavaScript</p>
<p>CC-202: Advanced Java</p>	<p>The student will be able to develop distributed business applications, develop web pages using advanced server-side programming through servlets and Java server pages.</p> <p>2) Demonstrate approaches for performance and effective coding</p> <p>3) Develop Java client/server applications.</p> <p>4) Develop distributed applications using RMI</p> <p>5) Develop component-based Java software using JavaBeans</p> <p>6) Develop server side programs in the form of servlet</p> <p>7) Understand the multi-tier architecture of web-based enterprise applications using Enterprise JavaBeans (EJB) ,use Struts frameworks, which gives the opportunity to reuse the codes for quick development and map Java classes and object associations to relational database tables with Hibernate mapping files</p>
<p>CC-203: Android Fundamentals Development</p>	<p>1) Understand Android Studio Environment and application structure.</p> <p>2) Demonstrate different layouts, views, activities and intents</p> <p>3) Testing and debugging of application.</p> <p>4) Design good user interface for the application.</p> <p>5) Able to store, retrieve and load data</p> <p>6) Demonstrate background tasks & events</p> <p>7) Understand publishing of app.</p>
<p>CE-204.1: Software Project</p>	<p>1) To understand Software Project Models and Software</p>

Management	<p>Management Concepts.</p> <p>2) To understand the various methods of Cost Estimation.</p> <p>3) To Study about Software Quality Management.</p> <p>4) To Study about Emerging Trends in Software Management.</p> <p>5) To understand Project Evaluation.</p>
CCPR-205: Web Technology Lab	<p>1) Debug and deploy ASP.NET web applications</p> <p>2) Discuss the insights of internet programming and implement complete application over the web</p> <p>3) Use the features of Dot Net Framework along with the features of C#</p> <p>4) Build and host web applications using ASP.NET</p> <p>5) Develop and deploy Windows applications</p> <p>6) Handle data by using ADO.NET architecture</p> <p>7) Create database-driven ASP.NET web applications and web services</p> <p>8) Handle various toolkit like AJAX</p> <p>9) Utilize the concepts of JavaScript</p> <p>10) Develop and deploy a website using HTML</p>
CCPR-206: Advanced Java Lab	<p>1. Define & explain applet Life cycle</p> <p>2. Differentiate local and remote applet</p> <p>3. Write the code for a simple Java applet</p> <p>4. Explain applet tag and its parameter</p> <p>5. Use the methods of the Applet and Component classes required for a basic applet</p> <p>6. Describe the classes in the AWT package that relate to the Applet class</p> <p>7. Describe the AWT graphics explain controls and how to apply them in the container</p> <p>8. Develop simple programs using Event class and Event Listener Interface</p> <p>9. Develop a program for steps to connect a database</p> <p>10. Describe the Basics of JDBC</p> <p>11. Explain the different Types of JDBC drivers & their advantages and Disadvantages</p> <p>12. Develop program to use JDBC to query a database and modify</p> <p>13. Describe life cycle of servlet</p> <p>14. Develop program using javax.servlet package</p> <p>15. Explain JSP Architecture and its Life cycle</p> <p>16. Develop simple program</p>

M. Sc. Part – II Computer Science SEMESTER – III & IV
Course Outcomes

Name of Course	Course Outcomes
SWM-301::Artificial Intelligence	<ol style="list-style-type: none"> 1. Apply problem solving by intelligent search approach. 2. Represent knowledge using AI knowledge representation techniques. 3. Design Machine Learning solution to real life problems. 4. Derive solutions for problems with uncertainty using Fuzzy theory. 5. Define a NLP problem and find a suitable solution to it. 6. To develop a good understanding of all aspects of Natural Language Processing (NLP) and Genetic algorithm
CC-302: Advanced Web Technology	<ol style="list-style-type: none"> 1. Students will be able to develop application using MVC 2. Students will be able to understand Entity Framework 3. Students will be able to understand Web API 4. Students will be able to understand and use azure services 5. Students will be able to understand the use bootstrap
CC-303: PHP	<ol style="list-style-type: none"> 1. Understand how server-side programming works on the web. 2. PHP Basic syntax for variable types and calculations. 3. Creating conditional structures 4. Storing data in arrays 5. Using PHP built-in functions and creating custom functions 6. Write PHP scripts to handle HTML forms. 7. Understanding POST and GET in form submission. 8. How to receive and process form submission data. 9. Reading and writing cookies. 10. Create PHP programs that use various PHP library functions, and that manipulate files and directories. 11. Analyze and solve common Web application tasks by writing PHP programs. 12. Prepares the students to undertake PHP projects independently
Elective-II: CE-304.1: Software Quality Assurance	<ol style="list-style-type: none"> 1. Understand the basic tenets of software quality and quality factors. 2. Be exposed to the Software Quality Assurance (SQA) architecture and the details of SQA components. 3. Understand of how the SQA components can be integrated into the project life cycle.
CCPR307: Project	<ol style="list-style-type: none"> 1) Gain skills as they apply knowledge effectively in diverse contexts. 2) Analyse and model requirements and constraints for the

	<p>purpose of designing and implementing software artefacts and IT systems</p> <p>3) Design and implement software solutions that accommodate specified requirements and constraints, based on analysis or modeling or requirements specification</p> <p>4) Present a clear, coherent and independent exposition of software applications, alternative IT solutions, and decision recommendations to both IT and non-IT personnel via technical reports of professional standard and technical presentations.</p> <p>5) Team work: Work effectively in different roles, to form, manage, and successfully produce outcomes from teams, whose members may have diverse cultural backgrounds and life circumstances, and differing levels of technical expertise.</p>
<p>CCPR-401: Research Seminar</p>	<p>1) To analyze a current topic of professional interest and present it before the audience.</p> <p>2) To familiar with basic technical writing concepts and terms, such as audience analysis, format, visuals, and presentation.</p> <p>3) Acquired the basic skills to for performing literature survey and paper presentation</p> <p>4) To improve skills to read, understand, and interpret material on technology.</p> <p>5) To improve communication and writing skills.</p> <p>6) Prepare the report.</p>
<p>CCPR-402: Research /Industrial Project</p>	<p>1) Capability to acquire and apply fundamental principles of engineering.</p> <p>2) Become master in one's specialized technology</p> <p>3) Become updated with all the latest changes in technological world.</p> <p>4) Ability to communicate efficiently.</p> <p>5) Knack to be a multi-skilled engineer with good technical knowledge, management, leadership and entrepreneurship skills.</p> <p>6) Develop skill to work as a part of team, leadership qualities. Able to write technical reports of the project work undertaken.</p> <p>7) Capability and enthusiasm for self-improvement through continuous professional development and life-long learning</p> <p>Awareness of the social, cultural, global and environmental responsibility as an engineer.</p>

B.Sc Computer Science [Entire]

- **Program Outcomes:**

On successful completion of this program,

1. Provides basic knowledge on core concepts of Computer Science. Ability to solve problems using programming languages and software tools.
2. Capable of analyzing, designing, developing, testing and implementing software systems. Acquire skill in Mathematics, Statistics, Electronics and Computer Science courses.
3. An ability to apply design and development principles in the construction of software systems of varying complexity.
4. Students will have the ability to use current techniques, skills, and tools necessary for computing practice.
5. Students will have the ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
6. Students will have the ability to analyze a problem and identify and define the computing requirements appropriate to its solution.
7. Students will have the ability to communicate effectively with a range of audience.
8. Students will have an understanding of professional, ethical, legal, security, and social issues and responsibilities.
9. Students will have the ability to function effectively on teams to accomplish a common goal.
10. Students are ardently engaged in learning and applying new ideas in a different manner in order to acquire employability/ self-employment.
11. Students are to be exposed to technical, analytical and creative skills through their courses.
12. Students are practiced to be honest, self -disciplined, and dedicated in their deeds.

- **Program Specific Outcomes:**

A graduate of the Bachelor of Computer Science (Entire) Program will give:

1. Professional Skills:

The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, web design, and networking for efficient design of computer based systems.

2. Problem-Solving Skills:

The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.

3. Depth of Knowledge :

In a self-selected area of depth in Computing, students will demonstrate a depth of knowledge appropriate to graduate study and/or lifelong learning in that area.

4. Successful Career and Entrepreneurship:

The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and students are well prepared for higher studies.

5. Personal & Social Development:-

To assist to development of new methods and process of software development. As well as give lifelong learning skills, attitudes for social and personal development among student.

6. Ease For Latest Trends:

Be acquainted with the contemporary issues, latest trends in technological development and thereby innovate new ideas and solutions to existing problems.

• **Course Outcomes:-**

1. To develop knowledge, understanding and skills in information technology.
2. To give knowledge and skill to students needed to become effective professionals within the computing industries and also provide skills for computer science solutions to information technology problems.
3. To give computer education to student with electronics, mathematics, statistics and communication skill.
4. To create awareness of computer science and its applications.
5. To provide range of educational activities, to develop a range of transferable skills applicable to employment for IT industries.
6. Student will capable to design the system under any platform using C# Programming, Java with respect to database using MS-Access, SQL Server.
7. Students will be able to use appropriately system design notations with analyzing, designing, implementing & testing the computerized system.
8. To serve need of advanced computer knowledge and to provide trained manpower to industries. To develop software skills and self-employment abilities in student.
9. To impart adequate professional knowledge and computer skill so as to enable students to take up careers in field of IT.

BACHELOR OF BUSINESS ADMINISTRATION (BBA) COURSE

Choice Based Credit System

(To be implemented from Academic Year 2019 - 2020)

- **Program Specific Outcomes**

After completing the BBA course the students would be able to:

1. Acquire the managerial professional attributes and be capable of decision making by applying the knowledge of management discipline.
2. Explore the entrepreneurial quality and start new business venture with innovative ideas.
3. Prepare students to undertake post graduation management programme.

- **Program Outcomes:**

After completing the BBA course the students would be able to:

1. Identify the different functional aspects of business world and recognize different opportunities of business.
2. Acquire the different skills necessary for the professional attitudes.
3. Demonstrate a global outlook with the ability to identify aspects of the global business and cross cultural understanding.
4. Identify the problems and challenges and inculcate the capability to cope with the spontaneous changes.
5. Analyze the importance of innovation and research, tackle the contemporary needs and accordingly grab the opportunities.
6. Develop effective and oral communication especially in business applications, with the use of appropriate technology.

Course Outcomes:

1. Able to understand and describe the concepts and processes of international marketing.
2. Having the abilities to analyze the international marketing environmental and choose the suitable international market for their organization.
3. B.B.A. course is designed to provide basic understanding about management education and to train the student in communication skill effectively which inculcate entrepreneurship skill.
4. The students are prepared to explore opportunities being newly created in management profession. Business administration study methodology involves training through practical experience in the form of case studies, projects, presentations, industrial visits and interactions with experts from the industry.

Course/ Program: BCA (Bachelor of computer Application)

Duration: Three Years

Affiliation: Shivaji University, Kolhapur

Course Type: Non Grantable

Course Outcome:

- 1) Students will able to recognize & appreciate the role of computing in a wide variety of activities & application of Modern society, including commerce, education, communication.
- 2) Analyze a given problem and develop an algorithm to solve the problem.
- 3) Demonstrate the basic technicalities of creating word document, creating power point presentation, design spreadsheet for office use.
- 4) Develop the software projects by understanding the client requirement.
- 5) Define fundamental account concept, conventions & terminologies.
- 6) Implement the various programming languages like C, C++, VB. Net, Java, python, R Programming, Android Programming Construct in the right way.
- 7) Able to master the basic concept and understand the database management system.
- 8) Evaluate and analyze the SDLC, understand software design, coding techniques and software testing principle.

Program Outcomes:

Program Outcomes (PO's):- After completion of program Students / graduates will be able to:

- PO1: Apply knowledge of ICT in solving business problems.
- PO2: Learn various programming languages and custom software.
- PO3: Design component, or processes to meet the needs within realistic constraints.
- PO4: Identify, formulate, and solve problems using computational temperaments.
- PO5: Comprehend professional and ethical responsibility in computing profession.
- PO6: Express effective communication skills.
- PO7: Recognize the need for interdisciplinary, and an ability to engage in life-long learning.
- PO8: Knowledge of contemporary issues and emerging developments in computing profession.
- PO9: Utilize the techniques, skills and modern tools, for actual development process.

Program Specific Outcomes:

- 1) Students will able to understand, analyze and develop computer programs in the areas related to algorithm, system software, web design and networking for efficient design of computer based system.
- 2) Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success.
- 3) Student will able to know various issues, latest trends in technology development and thereby innovate new ideas and solutions to existing problems.