



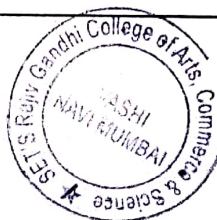
Rajiv Gandhi College
Of Arts, Commerce and Science

Sainath Education Trust's Rajiv Gandhi College Of Arts, Commerce and Science

Plot no.16/17, Sector 10A, Vashi, Navi Mumbai, 400703
{Affiliated to University of Mumbai}

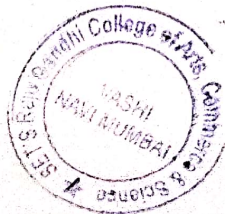
PROGRAMME : MASTER OF COMMERCE IN MANAGEMENT STUDIES

Program code	Program Name	Course code	Course Name	Course Outcome
SEMESTER-1				
2C00531	<u>M.COM</u>	71801	STRATEGIC MANAGEMENT	<ol style="list-style-type: none">1. Devise strategic approaches to managing a business successfully in a global context2. Develop and prepare organizational strategies that will be effective for the current environment.3. Explain the importance, scope and concept of Strategy and Strategic Management Process
		71802	ECONOMICS FOR BUSINESS DECISION	<ol style="list-style-type: none">1. Apply demand and supply analysis to explain how prices and output are determined in different markets2. Utilize game theory to analyze political economic problems.3. Compare and contrast common market structures
		71803	COST AND MANAGEMENT ACCOUNTING	<ol style="list-style-type: none">1. Use Cost Accounting Methods to Optimize the Use of People, Resources, and Materials.2. To analyze Reports to Make Sound Pricing Decisions.3. Apply the Decision Making tools from Marginal Costing i.e. CVP, BEP
		71804	BUSINESS ETHICS AND CORPORATE SOCIAL RESPONSIBILITY	<ol style="list-style-type: none">1. Acquire a set of skills and tools for evaluating ethical issues2. Apply tools and ideas acquired during the course to practical CSR problems3. Explain the importance, scope and functions of Corporate social responsibility towards the Society
SEMESTER-II				




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C00532	M.COM	66701	RESEARCH METHODOLOG Y FOR BUSINESS	<ol style="list-style-type: none"> 1. Perform robust research through the application of accepted applied research methodologies. 2. Apply fundamental skills in formulating research problems 3. Explain the Concept & Features of a good research design and the difference between Qualitative research and Quantitative research approaches.
		66702	MACRO ECONOMICS CONCEPTS AND APPLICATIONS	<ol style="list-style-type: none"> 1. Utilize a simple contemporary economic model such as the aggregate supply/aggregate demand model and describe the interrelationships among prices, income and interest rates as they affect consumption, saving and investment. 2. Use and apply a wide range of economic models to analyse contemporary and historical macroeconomic events, and formulate and propose appropriate macroeconomic policies. 3. Define fiscal and monetary policies and how these affect the economy.
		66703	CORPORATE FINANCE	<ol style="list-style-type: none"> 1. Provide the conceptual background for corporate financial analysis from the point of corporate value creation 2. Evaluate different management decisions and their influence on corporate performance 3. Develop analytical skills this would facilitate the decision making in business situations.
		66704	E-COMMERCE	<ul style="list-style-type: none"> • Understand the increasing significance of e-commerce and its application in various business sectors • Get an insight on digital marketing activities on various social media platforms and its emerging significance in business • Understand latest trends and practices in e-commerce and digital marketing
SEMESTER-III				
2C00533	M.COM	72207	RURAL MARKETING	Ruler marketing environment so that they understand consumer and marketing characteristics known the agricultural and understand the emerging challenges in upcoming global economic scenarios



		72217	MARKETING STRATEGIES AND PRACTICES	<ul style="list-style-type: none"> • Know, understand, and apply the strategic marketing process to analyze and improve organizational performance • Understanding the impact of social, economic and political forces on the design, planning and implementation of organization's policy, • Critically examine the marketing and Research of the entire enterprise from the stakeholder viewpoints.
		72222	ORGANISATINA L BEHAVIOUR	Analyze the complexities associated with management of the group behavior in the organization. Gain an appreciation of the relevance of the study of organizational behaviour to the practice of human resource management and Competency to recruit, and appraise the performance of employees
		UMCISIII.5	PROJECT MANAGEMENT	1. Select alternative projects management and project with the fundamental aspects among often competing initiation of various issues associated objectives using multiple 2. Applies the PM processes to risk estimation in management as a separate initiate, plan, execute, project management area of managemen t monitor and control, 3. Budgeting, cost and overview of project . 4. Assume responsibility as a functions and functioning of professional practitioner of Project Management 5. To be aware of new PM principles and practices dimensions in project while maintaining high managemnt standards of practice.
SEMESTER-IV				
2C00534	<u>M.COM</u>	67522	MANAGEMENT OF BUSINESS RELATIONS	Recognize the basic concepts and approaches of Management Relations. Apply strategies and tools to build and manage stakeholder relationships to support public relations activities, organizational objectives ,firm and career development.
		67512	RETAIL MANAGEMENT	<ul style="list-style-type: none"> • Familiarize students with details retail managements concepts & operations • Aware of the various legal & ethical aspects of retail management • Know the emerging trends in retail management



	67507	ADVERTISING AND SALES MANAGEMENT	<p>To understand and examine the growing importance of advertising and Sales management</p> <p>2 To understand the construction of an effective advertisement and sales management</p> <p>3 To understand the role of advertising and sales management in contemporary scenario</p> <p>4 To understand the future and career in advertising and sales management</p>
	UMCISIII.6	PROJECT MANAGEMENT	<p>1. Select alternative projects management and project with the fundamental aspects among often competing initiation of various issues associated objectives using multiple 2. Applies the PM processes to risk estimation in management as a separate initiate, plan, execute, project management area of management monitor and control, 3. Budgeting, cost and overview of project . 4. Assume responsibility as a functions and functioning of professional practitioner of Project Management 5. To be aware of new PM principles and practices dimensions in project while maintaining high management standards of practice.</p>



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PROGRAMME : BACHELOR OF COMMERCE IN ACCOUNTANCY

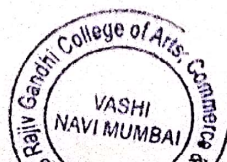
Program code	Program Name	Course code	Course Name	Course Outcome
SEMESTER-1				
2C00141	F. Y. B.COM (CHOICE BASED)	UBCOMFSI.1	ACCOUNTING & FINANCIAL MANAGEMENT - I	1.Students will get an insight into the AS-1, 2 and 9. Students will be able to solve practical problems on inventory valuation by FIFO and Weighted Average Method. 2.Students will be able to recognize capital and revenue – expenditure and receipts. Students will be able to solve practical problems regarding Final Accounts of Manufacturing Concern 3. Students will be able to solve practical problems regarding Departmental Accounting 4.Students will be able to solve practical problems regarding Hire Purchase Accounting
		UBCOMFSI.2	COMMERCE- I	1. Learn the scope of business and impact of internal and external environment on business 2. Gain knowledge of Business planning process and aspects of feasibility and project report 3. Learn about problems and promotion of women entrepreneurship and get encouraged from study of entrepreneurship competencies and discover about Intrapreneur concept. 4. Be aware of importance of Service Sector with special
		UBCOMFSI.3	BUSINESS ECONOMICS - I	1.Students are introduced to basic tools for economic analysis and know how they operate in case of an individual economic unit 2 Students are able to calculate, based on data, the impact of pricing decisions of individual firms on revenue and profit.
		UBCOMFSI.4	BUSINESS COMMUNICATION - I	1.Foster good working relationships at their workplace 2 Identify and apply suitable modes of communication 3. Overcome barriers to effective communication
		UBCOMFSI.5	ENVIRONMENTAL STUDIES - I	The successful completion of the course will create an environmental awareness among Commerce students. • It will make students aware about various environmental factors and their relation to the field of Commerce. • The course will highlight functional and spatial links between environment, economy and society. • The course will create an insight into various environmental issues at various levels and environmental movements towards making environment sustainable.



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		UBCOMFSI.6.1	FOUNDATION COURSE - I	This course is designed to create social awareness at a preliminary level for students across the board □ To help the students to upgrade their knowledge on current challenges and issues of Indian society □ To sensitize students about social problems plaguing Indian society and to emphasize the role of educated youth to address the same.
		UBCOMFSI.7	MATHEMATICS AND STATISTICAL TECHNIQUES - I	The main objective of this course is to introduce mathematics and statistics to undergraduate students of commerce, so that they can use them in the field of commerce and industry to solve the real life problems. 1)The students would get to know about the usage of permutations and combinations in different arrangements and selections 2)The students would be able to understand the concepts of Linear Programming , technique to formulate LPP and geometrical concepts to solve LPP 3)The students would be able to understand different measures of Central Tendencies, their merits, demerits and acquire the skill of calculating different measures of Central Tendencies and Dispersion 4) The students would be able to understand the concepts of Probability, Events , Algebra of Events , Theorems on Probability and calculation of Probability, Calculation of Expectation.
SEMESTER-II				
2C00142	F. Y. B.COM (CHOICE BASED)	UBCOMFSII.1	ACCOUNTING & FINANCIAL MANAGEMENT - II	The main objective of this course is to introduce financial accounting to disclose the end result of the business 1)Student will learn to record of business transactions in systematic way by converting single entry to double entry. 2) Students will understand special features of consignment business and accounting treatment in the books of consignor and consignee. 3) Students will understand about the dependent branch and maintainance of books of accounts by the head office to know the profit or loss of the company. 4) Student will learn a fire insurance policy may cover loss of fixed assets or loss of stock. Student will also learn to find fire insurance claim amount in different way.
		UBCOMFSII.2	COMMERCE- II	1.Learn the scope of business and impact of internal and external environment on business 2.Gain knowledge of Business planning process and aspects of feasibility and project report 3. Learn about problems and promotion of women entrepreneurship and get encouraged from study of entrepreneurship competencies and discover about Intrapreneur concept. 4. Be aware of importance of Service Sector with special focus on the retail sector, Business Process Outsourcing, net banking and E-commerce



		UBCOMFSII.3	BUSINESS ECONOMICS - II	<p>1. Students are able to understand different market situations and assess the working of firms under these, in order to fashion their responses to maximize their advantage, both as a consumer and a prospective entrepreneur.</p> <p>2. Students are now capable of distinguishing between different real life market structures and understand the pricing, output and advertising</p>
		UBCOMFSII.4	BUSINESS COMMUNICATION - II	<p>a) Interviews the complexity of the the course the learner should be</p> <p>b) Meetings communication process. able to enhance his Listening</p> <p>c) To develop effective Speaking, Reading and Writing Conferences listening skills in students skills to meet the challenges of</p> <p>d) Public Relations so as to enable them to the world. Business comprehend instructions Correspondence and to become a critical</p> <p>e) To develop effective writing skills so as to enable students to write in clear, concise, persuasive and audience centric manner</p>
		UBCOMFSII.5	ENVIRONMENTAL STUDIES - II	<p>The successful completion of the course will create an environmental awareness among Commerce students. • It will make students aware about various environmental factors and their relation to the field of Commerce. • The course will highlight functional and spatial links between environment, economy and society. • The course will create an insight into various environmental issues at various levels and environmental movements towards making environment sustainable.</p>
		UBCOMFSII.6	FOUNDATION COURSE - II	<p>This course is designed to create social awareness at a preliminary level for students across the board <input type="checkbox"/> To help the students to upgrade their knowledge on current challenges and issues of Indian society <input type="checkbox"/> To sensitize students about social problems plaguing Indian society and to emphasize the role of educated youth to address the same.</p>



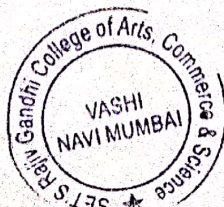
		UBCOMFSII.7	MATHEMATICS AND STATISTICAL TECHNIQUES - II	<p>1)The students would get to know about the usage of Simple interest, Compound Interest, Annuity and calculation of EMI, present value and future value</p> <p>2)The students would be able to understand the concepts of Bivariate Linear Correlation & Regression Analysis, Calculation of correlation coefficient by different methods and its interpretation, Estimation of values using Regression Analysis.</p> <p>3) The students would be able to understand different concepts of Time Series and Index Numbers, Estimation of Trend and Seasonal Component, Calculation of different types of Index Numbers</p> <p>4) The students would be familiar with the concepts of Elementary Probability Distributions such as Binomial, Poisson and Normal Distribution and calculation of Probabilities of these distributions.</p> <p>5) The students would be familiar with the concepts of Functions, Derivatives and their applications in Economics & Commerce. The students would be able to calculate Marginal Cost, Marginal Revenue, Elasticity of Demand, Maxima and Minima</p>
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SEMESTER-III

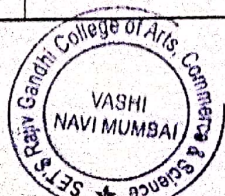
2C00143	S. Y. B.COM (CHOICE BASED)	UBCOMSSIII.1	ACCOUNTING & FINANCIAL MANAGEMENT - III	<ol style="list-style-type: none"> Students will get the insight of Final Accounts of a partnership firm in which admission/retirement/death took place during the financial year Students will get the insight of piecemeal distribution of cash on dissolution of cash. Students will get the insight of amalgamation of Firms and conversion of partnership firm into limited company.
		UBCOMSSIII.2	INTRODUCTION TO MANAGEMENT ACCOUNTING	<ol style="list-style-type: none"> Identify problems associated with relying on financial accounting information for various managerial decision making. Learns the application of management accounting tools for pricing, budgetary control, cost allocation and performance evaluation.
		UBCOMSSIII.3	COMMERCE-III	<ol style="list-style-type: none"> Get an insight into principles practices and techniques of company management Learn the basics of management functions applicable for effective management of a company Learn about the application of principles and techniques of management in the fields such as production and finance Study contemporary as well as trends in the field of production, quality control, inventory management and control as well as finance



		UBCOMSSIII.4	BUSINESS ECONOMICS III	<p>1. Students are expected to understand the significance of the macroeconomic concept national income accounting.</p> <p>2. Students are able to explain use of Keynesian theory to provide a solution to the macroeconomic problems.</p> <p>3. After studying this unit, students are able to understand development of Post-Keynesian economics.</p> <p>4. Students are able to understand the connection between money supply and inflation.</p>
		UBCOMSSIII.5	ADVERTISING-I	<p>The learner gets to understand the concept & Role of IMC & the evolution of Advertising. The learner focuses on aspects related to the Benefits of Advertising, Ad Agency, Careers in advertising & Agency selection criteria. The student examines the impact of Advertising on Production Cost/ Distribution Cost & Consumer Price. The learner evaluates the recent trends in Social Advertising & the Role of Self Regulatory Bodies in Advertising.</p>
		UBCOMSSIII.6	FOUNDATION COURSE III	<p>Students would become more sensitive and more sensitized towards various socioeconomic issues faced by vulnerable groups. Students would get clarity on disaster management measures and be better prepared in challenging situations. The topic would make the students not to believe in superstitions and develop scientific temper. Students would understand the significance of communication in daily life which will help to build their career</p>
		UBCOMSSIII.7	BUSINESS LAW-I	<p>1. Students are introduced to basic tools for understanding law and basic concepts of Contract Law.</p> <p>2. Students are able to analyse detailed provisions of how to make and terminate a contract legally in India.</p> <p>3. Students are able to appreciate the application of contractual obligations in different practical situations</p> <p>4. Students are able to understand specific application of Contract law in sale and purchase of Goods</p> <p>5. Students are able to understand and appreciate application of contract law in Negotiable instruments</p>
SEMESTER-IV				
2C00144	S. Y. B.COM (CHOICE BASED) (R-2016-17)	UBCOMSSIV.1	ACCOUNTANCY AND FINANCIAL MANAGEMENT-IV	<p>Student will get to know about company accounts, issue and redemption of shares and debentures and will also learn to find the profit prior to incorporation.</p>
		UBCOMSSIV.2	FINANCIAL ACCOUNTING AND AUDITING	<p>1. Discuss the independent auditor.</p> <p>2. Understands audit process with accepting clients communication of the clients. need for an or external the financials beginning till result to</p>



		UBCOMSSIV.3	COMMERCE-IV	<p>1. Get an insight into principles practices and techniques of company management</p> <p>2. Learn the basics of management functions applicable for effective management of a company</p> <p>3. Learn about the application of principles and techniques of management in the fields such as production and finance</p> <p>4. Study contemporary terms as well as trends in the field of production, quality control, inventory management and control as well as finance</p>
		UBCOMSSIV.4	BUSINESS ECONOMICS-IV	<p>1. Students are expected to gain insight in understanding basic concepts of public finance.</p> <p>2. Students are expected to understand basic concepts about the taxation, tax burden and its effects.</p> <p>3. After studying this topic, students are expected to have knowledge about government expenditure.</p> <p>4. After studying this unit students are able to understand the implications of budget and Fiscal management</p>
		UBCOMSSIV.5	ADVERTISING-II	<p>1. Get an understanding of advertising as a tool of Integrated Marketing Communication.</p> <p>2. Obtain knowledge about economic and social impact of advertising and thereby ethical aspects in advertising</p> <p>3. Understand different types of advertising and role of advertising agency.</p> <p>4. Be aware of various mediums of advertising and understand its benefits and disadvantages.</p> <p>5. Learn about techniques of using and creating Copy, Slogan, headlines, illustrations and logo for effective construction of advertisements.</p>
		UBCOMSSIV.6	FOUNDATION COURSE (CONTEMPORARY ISSUES)-IV	<p>Students would be aware of their rights and remedies in relation social life . Students would develop a deeper understanding of ecological issues and would motivate them to be a part of environmental conservation . Students would develop curiosity in the application of science and technology in their daily life and would use technology wisely. The topics would equip them with necessary life skills and the abilities needed to succeed in competitive outer world.</p>
		UBCOMSSIV.7	BUSINESS LAW-II	<p>1. Students are able to understand the significance and basic concept of company form of organizations.</p> <p>2. Students are now capable of understanding how far you need to be conscious, legally, while implementing various functions in a company</p> <p>3. Students are introduced to the market realities of Intellectual property Rights.</p> <p>4. Students are capable of evaluating their relative merits and demerits</p> <p>5. Students are capable of evaluating their rights and obligations as a consumer. Philosophy and significance of Competition law</p>

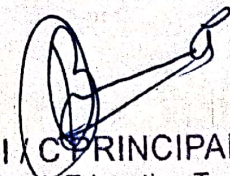
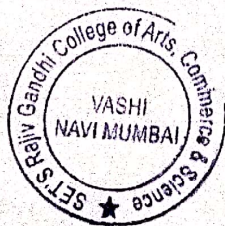


SEMESTER-V

2C00145	T. Y. B.COM (CHOICE BASED)	23101	FINANCIAL ACCOUNTING AND AUDITING VII-FINANCIAL ACCOUNTING	<ol style="list-style-type: none"> 1. Students will be able to solve practical problems on Final Accounts of Companies 2. Students will be able to understand the provisions and to solve practical problems related to internal reconstruction 3. Students will be able to understand the provisions and to solve practical problems related to buy back of shares. 4. Students will be able to solve practical problems on personal investment accounting 5. Students will get a better understanding about ethical behaviour for Professional Accountants.
		232116	EXPORT MARKETING PAPER-1	<p>The learner studies the difference between the Domestic Market & Export Market also the factors that influence Export Marketing & the various risks involved in the overseas market. . The learner examines the various types of Tariff & Non Tariff Barriers, the positives & negatives of WTO & Overseas Market selection process.. The learner understands the Foreign Trade Policy, Role of DGFT, Benefits to status Holders and concepts relating to EOU/SEZ's/ AEZ's.. The student evaluates the technicalities of MDA/ASIDE/ IRMAC/IGST & FICCI.</p>
		23115	DIRECT & INDIRECT TAXATION PAPER-I	<ol style="list-style-type: none"> 1. Define the procedure of direct tax assessment. 2. Able to file IT return on individual basis.
		23107	FINANCIAL ACCOUNTING AND AUDITING VIII-COST ACCOUNTING	<ol style="list-style-type: none"> 1. Students will get the insight of the concepts of cost accountancy, material cost and labour cost. 2. Students will get the insight of overheads, cost sheet and reconciliation of Profits as per financial accounts and cost accounts.
		23114	COMMERCE V	<ol style="list-style-type: none"> 1. Get holistic idea about the evolution of marketing, contemporary trends in marketing and various marketing strategies (PPPP) to handle marketing activity of a business firm 2. Learn about the psyche of consumer behavior so as to handle them effectively 3. Be able to venture into the domain of marketing more confidently as he will be more quipped with latest tools and techniques of marketing



		23113	BUSINESS ECONOMICS V	<p>1. Students are expected to be familiar with the process of reforms and the improvements in social and economic infrastructure, to enable them to understand and appreciate the ongoing policy changes.</p> <p>2. Students are expected to be familiar with the agricultural scenario in the county including the crucial issues of pricing and marketing to form informed opinion</p> <p>3. After studying this unit, students are to have an in depth knowledge of the secondary and tertiary sectors of the economy and the problems facing them</p> <p>4. Students are expected to become effective and productive participants of the financial sector and the various employment opportunities offered by it.</p>
SEMESTER-VI				
2000146	T. Y. B.COM (CHOICE BASED)	83014	COMMERCE VI	<p>1. Learn about the invaluable role of HR in the effective management of business organization</p> <p>2. Get an idea about contemporary practices in the field of HRM</p> <p>3. Know about the nature of challenges faced by HR manger in changing business environment in the millennium</p>
		83013	BUSINESS ECONOMICS VI	<p>1. Students are expected to gain insight in to the various theories on trade.</p> <p>2. Students are expected to be aware of the latest developments in international trade as well as gain knowledge on developments on Britain's relationship with the rest of Europe.</p> <p>3. After studying this topic, students are expected to have gained adequate knowledge regarding the India's external sector and how the WTO provisions have impacted in India</p> <p>4. After studying this unit students are to have gained enough knowledge on the exchange rate determination so that they can become active participation in the market.</p>
		83001	FINANCIAL ACCOUNTING AND AUDITING IX-FINANCIAL ACCOUNTING	<p>1. Students will be able to calculate purchase consideration by various methods and solving practical problems based on Amalgamation, Absorption and External Reconstruction of Companies</p> <p>2. Students will be able to compute and handle exchange rate difference arising out of transactions involving Foreign Currency.</p> <p>3. Students will be able to solve practical problems based on liquidation of company</p> <p>4. Students will be able to prepare statement of underwriter's liability</p> <p>5. Preparation of Final Accounts of Limited Liability Partnership will be understood by the students.</p>



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	83007	FINANCIAL ACCOUNTING AND AUDITING X-COST ACCOUNTING	<ol style="list-style-type: none"> 1. Students will get the insight of cost recording systems. 2. Students will get the insight of contract costing and process costing. 3. Students will get the insight of standard costing and marginal costing. 4. Students will get the overview insight of target costing, life cycle costing, bench marking and ABC.
	83016	EXPORT MARKETING PAPER II	The student understands decision making w.r.t. Product Planning, Branding, Labelling, Pricing & gets to learn the details of INCO Terms. The learner studies the various aspects related to Direct & Indirect Channels of distribution in exports, Logistics in Export Marketing various sales promotion techniques important in foreign markets.. The learner understands the procedure related to pre & post shipment finance, Customs House Clearance & learns about various Export Document.. The student understands the various methods of payments available in export marketing & gets aware of the pre & post shipment finance including the role of Export Marketing Financial Institutions like Commercial Banks, SIDBI & ECGC.
	83015	DIRECT AND INDIRECT TAXATION PAPER II	<ol style="list-style-type: none"> 1. Students should be able to analyze indirect taxes. 2. Students should be able to calculate GST on various goods & services.



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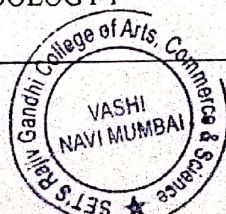


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PROGRAMME : BACHELOR OF SCIENCE

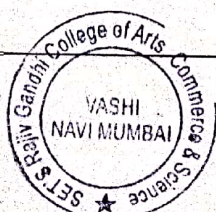
Program code	Program Name	Course code	Course Name	Course Outcome
SEMESTER-1				
1S00141	F. Y. BSC (CHOICE BASED)	USBO101	BOTANY-I	The student completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, plant interactions with microbes and insects, morphology, anatomy, reproduction.
		USBO102	BOTANY-II	The student completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, medicinal plant botany.
		USBOP01	BOTANY PRACTICAL	Learner completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, plant interactions with microbes and insects, morphology, anatomy, reproduction, medicinal plant botany
		USCH101	CHEMISTRY-I	Students will have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Inorganic, Organic and Physical Chemistry such as 1. Physical Chemistry - Thermodynamics basics, Chemical calculations 2. Inorganic Chemistry - atomic structure, periodic table and periodicity, 3. Organic Chemistry - basics, nomenclature, bonding and structure, basics of reaction mechanism.
		USCH102	CHEMISTRY-II	Students will have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Inorganic, Organic and Physical Chemistry such as 1. Physical Chemistry - kinetics, Liquid states 2. Inorganic Chemistry - comparative chemistry of main group elements. 3. Organic Chemistry - Stereochemistry I
		USCHP01	CHEMISTRY PRACTICAL	Students will be able to design and carry out scientific experiments as well as accurately record and analyze the results of such experiments.
		USZO101	ZOOLOGY-I	Curiosity will be ignited in the mind of learners, to know more about the fascinating world of animals which would enhance their interest and love for the subject of Zoology.



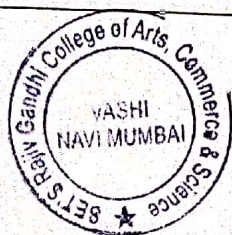
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		USZO102	ZOOLOGY-II	Learners would work safely in the laboratory and avoid occurrence of accidents (mishaps) which will boost their scholastic performance and economy in use of materials/chemicals during practical sessions.
		USZOP01	ZOOLOGY PRACTICAL	Practicals based on theory impart analyzing skills to the students about the topics in the syllabus.
		USPH101	PHYSICS-I	i) Understand Newton's laws and apply them in calculations of the motion of simple systems. ii) Use the free body diagrams to analyze the forces on the object.
		USPH102	PHYSICS-II	i) Students Understand nuclear properties and nuclear behavior. ii) Demonstrate and understand the quantum mechanical concepts iii) Demonstrate quantitative problem solving skills in all the topics covered.
		USPHP01	PHYSICS PRACTICAL	i) To demonstrate their practical skills. ii) To understand and practice the skills while doing physics practical. iii) To understand the use of apparatus and their use without fear. iv) To correlate their physics theory concepts through practical. v) Understand the concepts of errors and their estimation.
		USMT101	MATHS-I	This course gives introduction to basic concepts of Analysis with rigor and prepare the students to study further courses of Analysis Providing advance knowledge in pure mathematics, students would be able to understand the real number system and Sequence in real numbers and higher order differential equations that will be able use in research .
		USMT102	MATHS-II	This course gives expositions to number systems (Natural Numbers & Integers), like divisibility and prime numbers and their properties also Advance knowledge of polynomial Students should be understood How to defined the function , Relation and binary operation
		USFC101	FOUNDATION COURSE	i) To help the students to upgrade their knowledge on current challenges and issues of Indian society ii) To sensitize students about social problems plaguing Indian society and to emphasize the role of educated youth to address the same.
SEMESTER-II				
IS00142	F. Y. BSC (CHOICE BASED)	USBO201	BOTANY-I	Learner completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, pteridophyta, gymnosperms, morphology, anatomy, reproduction.



		USPH202	PHYSICS-II	<p>i) Apply knowledge and skill in the design and development of Electronics circuits to cater to the needs of Electronic Industry.</p> <p>ii) Ready for working in the electronics market and/or to pursue advanced level electronics.</p>
		USPHP02	PHYSICS PRACTICAL	<p>i) To correlate their physics theory concepts through practical.</p> <p>ii) To understand the use of apparatus and their use without fear</p> <p>iii) Understand the concepts of errors and their estimation.</p>
		USMT201	MATHS-I	<p>This course gives introduction to basic concepts of Analysis with rigor and prepares students to study further courses in Analysis. Formal proofs are given lot of emphasis in this course which also enhances understanding of the subject of Mathematics as a whole. The portion on first order, first degree differentials prepares learner to get solutions of so many kinds of problems in all subjects of Science and also prepares learner for further studies of differential equations and related fields.</p>
		USMT202	MATHS-II	<p>This course gives expositions to number system like divisibility and prime numbers and their properties. These topics later find use in advanced subjects like cryptography and its uses in cyber security and such related fields.</p>
		USFC201	FOUNDATION COURSE	<p>i) To help the students to upgrade their knowledge on current challenges and issues of Indian society</p> <p>ii) To sensitize students about social problems plaguing Indian society and to emphasize the role of educated youth to address the same.</p>
SEMESTER-III				
IS00143	S. Y. BSC (CHOICE BASED)	USBO301	BOTANY-I	Learner completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, plant interactions with microbes and insects, morphology, anatomy, reproduction, medicinal plant botany
		USBO302	BOTANY-II	The student completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, medicinal plant botany.
		USBO303	BOTANY-III	The student completing the course is capable to perform short research projects using various tools and techniques in plant sciences and develop scientific temperament and research attitude.



		USBO202	BOTANY-II	Learner completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, plant interactions with microbes and insects, morphology, anatomy, reproduction, medicinal plant botany
		USBOP02	BOTANY PRACTICAL	The student completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, plant interactions with microbes and insects, morphology, anatomy, reproduction, pteridophyta, gymnosperms.
		USCHE201	CHEMISTRY-I	Students will have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Inorganic, Organic and Physical Chemistry such as 1. Physical Chemistry - Gaseous states, Electrochemistry, Thermodynamic parameters 2. Inorganic Chemistry - Qualitative analysis, acid base theories. 3. Organic Chemistry - aliphatic hydrocarbons
		USCHE202	CHEMISTRY-II	Students will have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Inorganic, Organic and Physical Chemistry such as 1. Physical Chemistry - Ionic Equilibrium, Photochemistry, Molecular spectroscopy 2. Inorganic Chemistry - Chemical Bond and Reactivity, Oxidation reaction chemistry 3. Organic Chemistry - Stereochemistry II, aromatic hydrocarbons.
		USCHP02	CHEMISTRY PRACTICAL	Students will be able to design and carry out scientific experiments as well as accurately record and analyze the results of such experiments
		USZO201	ZOOLOGY-I	Students will know about nature of animal population, specific factors affecting its growth and its impact on the population of other life form; types of ecosystems, adaptations; national parks, sanctuaries and bio reserves; bio piracy and ecotourism
		USZO202	ZOOLOGY-II	Students will learn about personal hygiene; damage caused by using electronic gadgets; various types of communicable diseases; stress related diseases;
		USZOP02	ZOOLOGY PRACTICAL	Practicals are based on theory
		USPH201	PHYSICS-I	i) Understand Newton's laws and apply them in calculations of the motion of simple systems. ii) Use the free body diagrams to analyze the forces on the object.



		USBOP3	BOTANY PRACTICAL	The student completing the course is able to identify various life forms of plants, design and execute experiments related to basic studies on evolution, ecology, developmental biology, physiology, biochemistry, plant interactions with microbes and insects, morphology, anatomy, reproduction, genetics.
		USCH301	CHEMISTRY-I	Students will have a firm foundation in the some fundamentals and more application of current chemical and scientific theories including those in Inorganic, Organic and Physical Chemistry such as 1. Physical Chemistry - Thermodynamics II, Electrochemistry II 2. Inorganic Chemistry - Chemical bonding, 3. Organic Chemistry - Halogenated Hydrocarbons, alcohols, phenols and epoxides
		USCH302	CHEMISTRY-II	Students will have a firm foundation in the some fundamentals and more application of current chemical and scientific theories including those in Inorganic, Organic and Physical Chemistry such as 1. Physical Chemistry - Chemical kinetics II, Solutions 2. Inorganic Chemistry - p Block elements 3. Organic Chemistry - carbonyl compounds
		USCH303	CHEMISTRY-III	This includes basics of Analytical chemistry which ensure that students have a foundational knowledge of analytical techniques, instrumentation and data analysis such as pH, titrimetry, gravimetry.
		USCHP3	CHEMISTRY PRACTICAL	Students will be able to design and carry out scientific experiments as well as accurately record and analyze the results of such experiments.
		USZO301	ZOOLOGY-I	The learner will understand the Concepts of multiple alleles and crossing over; mechanisms of sex determination; disorders linked with sex chromosome; regulation of gene expression.
		USZO302	ZOOLOGY-II	The students would be able to correlate the habit and habitat with nutritional, excretory, osmoregulatory; respiratory and excretory organs; types of reproduction; ameoba to man.
		USZO303	ZOOLOGY-III	Students will learn sensational to the feelings which are instrumental and social behavior; aspects of parasites that affect humans and take preventive measures for the same; economic zoology; apiculture and dairy science.
		USZOP3	ZOOLOGY PRACTICAL	Students will be able to correlate theory with practicals.



		USPH301	PHYSICS-I	<p>i) Understand the concepts of mechanics & properties of matter & to apply them to problems.</p> <p>ii) Comprehend the basic concepts of thermodynamics & its applications in physical situation.</p> <p>iii) Learn about situations in low temperature.</p> <p>iv) Demonstrate tentative problem solving skills in all above area</p>
		USPH302	PHYSICS-II	<p>i) Understand the basic concepts of mathematical physics and their applications in physical situations.</p> <p>ii) Understand the basic laws of electrodynamics and be able to perform calculations using them.</p>
		USPH303	PHYSICS-III	<p>i) Students will be exposed to contextual real life situations.</p> <p>ii) Students will appreciate the role of Physics in 'interdisciplinary areas related to materials, Geo -physics , Microprocessor etc.</p> <p>iii) The learner will understand the scope of the subject in Industry & Research.</p>
		USPHP3	PHYSICS PRACTICAL	<p>i) Understand & practice the skills while performing experiments. ii) Understand the use of apparatus and their use without fear & hesitation. iii) Correlate the physics theory concepts to practical application. iv) Collect the information of at least five Physicists with their work or any three events on physics, report that in journal. v) Execute a mini project to the satisfaction of teacher in-charge of practical.</p>
		USFC301	FOUNDATION COURSE	<p>It will help students to be more decisive and improve their decision-making skills. It will create awareness amongst students about the complexities of the business and enable them to tackle the issues and challenges of the organization in a better way.</p>
SEMESTER-IV				
IS00144	S. Y. BSC (CHOICE BASED)	USBO401	BOTANY-I	<p>The student completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, plant interactions with microbes and insects, morphology, anatomy, reproduction, pteridophyta, gymnosperms.</p>
		USBO402	BOTANY-II	<p>The student completing the course is able to identify various life forms of plants, design and execute experiments related to basic studies on evolution, ecology, developmental biology, physiology, biochemistry, plant interactions with microbes and insects, morphology, anatomy, reproduction, genetics.</p>



		USBO403	BOTANY-III	Learner completing the course is able to identify various life forms of plants, design and execute experiments related to basic studies on evolution, ecology, developmental biology, physiology, biochemistry, plant interactions with microbes and insects, morphology, anatomy, reproduction, genetics, microbiology, molecular biology, recombinant DNA technology, proteomics and transgenic technology.
		USBOP4	BOTANY PRACTICAL	The student completing the course is able to identify various life forms of plants, design anatomy, ecology, physiology, plant interactions with microbes and insects, morphology, anatomy, reproduction, pteridophyta, gymnosperms.
		USCH401	CHEMISTRY-I	Students will have a firm foundation in the some fundamentals and more application of current chemical and scientific theories including those in Inorganic, Organic and Physical Chemistry such as 1. Physical Chemistry - Electrochemistry II, phase equilibrium 2. Inorganic Chemistry- Transition metals and coordination chemistry 3. Organic Chemistry - Carboxylic acid and their derivatives, Sulphonic acids
		USCH402	CHEMISTRY-II	Students will have a firm foundation in the some fundamentals and more application of current chemical and scientific theories including those in Inorganic, Organic and Physical Chemistry such as 1. Physical Chemistry - Solid state, Catalysis 2. Inorganic Chemistry - Ionization, uses and environmental chemistry 3. Organic Chemistry - Nitrogen containing compounds, heterocyclic compounds.
		USCH403	CHEMISTRY-III	This includes basics of Analytical chemistry which ensure that students have a foundational knowledge of analytical techniques, instrumentation and data analysis such as pH, various techniques in chromatography, electrophoresis.
		USCHP4	CHEMISTRY PRACTICAL	Students will be able to design and carry out scientific experiments as well as accurately record and analyze the results of such experiments.
		USZO01	ZOOLOGY-I	Learners will analyze and critically view different theories of evolution; distinguish between micro evolution and macro evolution; understand ethical aspects of research.
		USZO02	ZOOLOGY-II	Learner would acquire insight into composition of cell organelles; interlinking of endomembrane systems;



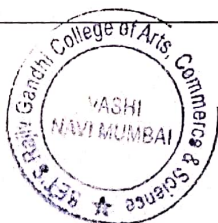
		USZO03	ZOOLOGY-III	Student will be able to understand and compare different pre-embryonic stages; aware of causes of infertility; techniques to overcome infertility; artificial reproductive systems; sensitized about adverse effects of pollution; measures to control pollution;
		USZOP4	ZOOLOGY PRACTICAL	Students learn to correlate various of theoretical aspects with the practicals.
		USPH401	PHYSICS-I	i) Understand the diffraction and polarization processes and applications of them in physical situations. ii) Understand the applications of interference in design and working of interferometers. iii) Use IC 555 timer for various timing applications. iv) Understand the applications of interference in design and working of interferometers.
		USPH402	PHYSICS-II	i) Understand the postulates of quantum mechanics and to understand its importance in explaining significant phenomena in Physics. ii) Demonstrate quantitative problem solving skills in all the topics covered.
		USPH403	PHYSICS-III	i) Understand the concepts of mechanics & properties of matter & to apply them to problems. ii) Comprehend the basic concepts of thermodynamics & its applications in physical situation. iii) Learn about situations in low temperature. iv) Demonstrate tentative problem solving skills in all above areas.
		USPHP4	PHYSICS PRACTICAL	i) Understand & practise the skills while performing experiments. ii) Understand the use of apparatus and their use without fear & hesitation. iii) Correlate their physics theory concepts to practical application. iv) Understand the concept of errors and their estimation.
		USFC401	FOUNDATION COURSE	Students will be able to design and carry out scientific experiments as well as accurately record and analyze the results of such experiments.

SEMESTER-V

IS00145	T. Y. BSC (CHOICE BASED)	USACDD501	DRUGS AND DYES: DRUGS AND DYES	In Drugs and Dyes students will get to learn about antibiotics, antivirals, anti-tubercular and anti-leprosy drugs, anti-HIV and antineoplastic drugs, also to expose students to the field of drugs and also study different unit processes and dye intermediates.
		USACDD5P1	DRUGS AND DYES: PRACTICAL BASED ON USACDD501	It examines dyes in chemical interaction and production of drugs for pharmaceutical use as well as in forensic work and in the production of materials.



		24212	CHEMISTRY:ANALYTICAL CHEMISTRY	Analytical chemistry is the branch of chemistry that deals with the analysis of different substances. Analytical chemistry has played critical roles in the understanding of basic science to a variety of practical applications, such as biomedical applications, environmental monitoring, quality control of industrial manufacturing, forensic science and so on.
		24227	CHEMISTRY:INORGANIC CHEMISTRY	i) Able to write electronic configuration of given atomic number. ii)Able to tell the name of orbitals by recognizing shapes of orbitals. iii)Able to calculate bond order of different molecules. iv) Able to draw MO digrams of different molecules
		24243	CHEMISTRY:ORGANIC CHEMISTRY	Organic chemistry is a branch of chemistry that studies the structure, properties and reactions of organic compounds, which contain carbon-carbon covalent bonds.
		24255	CHEMISTRY:PHYSICAL CHEMISTRY	Physical chemistry is the branch of chemistry that deals with the physical structure of chemical compounds, the way they react with other matter and the bonds that hold their atoms together. It focuses on the study of the physical and chemical properties of matter, as well as the underlying principles and theories that govern chemical reactions. Students have a strong foundation in physical chemistry, enabling them to pursue further studies or enter careers in research, academia, industry and other related fields.
		USCHP05	CHEMISTRY:PRACTICAL OF USCH501 AND USCH502	Physical deal with temperature ,pressure and other measure and Inorganic deals with preparation of complexes
		USCHP06	CHEMISTRY:PRACTICAL OF USCH503 AND USCH504	The principles and applications of modern chemical instrumentation, experimental design, and data analysis, formulating and solving problems in the laboratory,statistical methods of data analysis including error distributions, hypothesis testing, confidence intervals, the method of maximum likelihood or least-squares analysis, plotting data in two and three dimensions for effective presentations in written reports.
SEMESTER-VI				
IS00146	T. Y. BSC (CHOICE BASED)	USACDD601	DRUGS AND DYES:DRUGS AND DYES	In Drugs and Dyes students will get to learn about antibiotics, antivirals, anti- tubercular and anti-leprosy drugs, anti- HIV and antineoplastic drugs, also to expose students to the field of drugs and also study different unit processes and dye intermediates.



	USACDD6P1	DRUGS AND DYES: PRACTICAL BASED ON USACDD601	It examines dyes in chemical interaction and production of drugs for pharmaceutical use as well as in forensic work and in the production of materials.
	88648	CHEMISTRY: ANALYTICAL CHEMISTRY (S.M)	Analytical chemistry is the branch of chemistry that deals with the analysis of different substances. Analytical chemistry has played critical roles in the understanding of basic science to a variety of practical applications, such as biomedical applications, environmental monitoring, quality control of industrial manufacturing, forensic science and so on.
	88621	CHEMISTRY: INORGANIC CHEMISTRY (S.M)	i) Able to write electronic configuration of given atomic number. ii) Able to tell the name of orbitals by recognizing shapes of orbitals. iii) Able to calculate bond order of different molecules. iv) Able to draw MO diagrams of different molecules
	88637	CHEMISTRY: ORGANIC CHEMISTRY (S.M)	Organic chemistry is a branch of chemistry that studies the structure, properties and reactions of organic compounds, which contain carbon-carbon covalent bonds.
	88609	CHEMISTRY: PHYSICAL CHEMISTRY (S.M)	Physical chemistry is the branch of chemistry that deals with the physical structure of chemical compounds, the way they react with other matter and the bonds that hold their atoms together. Students have a strong foundation in physical chemistry, enabling them to pursue further studies or enter careers in research, academia, industry and other related fields.
	USCHP07	CHEMISTRY: PRACTICAL OF USCH601 AND USCH602	Physical deal with temperature, pressure and other measure and Inorganic deals with preparation of complexes
	USCHP08	CHEMISTRY: PRACTICAL OF USCH603 AND USCH604	The principles and applications of modern chemical instrumentation, experimental design, and data analysis, formulating and solving problems in the laboratory, statistical methods of data analysis including error distributions, hypothesis testing, confidence intervals, the method of maximum likelihood or least-squares analysis, plotting data in two and three dimensions for effective presentations in written reports.



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Rajiv Gandhi College
Of Arts, Commerce and Science

Sainath Education Trust's Rajiv Gandhi College Of Arts, Commerce and Science

Plot no.16/17, Sector 10A, Vashi, Navi Mumbai,400703
{Affiliated to University of Mumbai}

PROGRAMME : BACHELOR OF SCIENCE (Information Technology)

Program code	Program Name	Course code	Course Name	Course Outcome
SEMESTER-1				
IS00251	F.Y. B.SC I.T (CBCS)	USIT101	Programming Principles with C	Learners will be able to, 1. Learn the basic principles of programming. 2. Develop of logic using algorithm and flowchart. 3. Acquire the information about data types. 4. Understanding of input and output functions. 5. Enhance advanced concepts using program.
		USIT102	Digital Logic and Applications	Learners will be able to, 1. Apply number conversion techniques in real digital systems 2. Solve boolean algebra expressions 3. Derive and design logic circuits by applying minimization in SOP and POS forms 4. Design and develop Combinational and Sequential circuits 5. Understand and develop digital applications
		USIT103	Fundamentals of Database Management Systems	Learners will be able to, 1. Define and describe the fundamental elements of relational database management system. 2. To relate the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL. 3. Design ER-models to represent simple database application scenarios. 4. Transform the ER-model to relational tables, populate relational database and formulate SQL queries on data. 5. Improve the database design by normalization. 6. Understand basic database storage structures and access techniques: file and page organizations, indexing methods and hashing.



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USIT104	Computational Logic and Discrete Structure	Learners will be able to: 1. Use logical notation 2. Perform logical proofs 3. Apply recursive functions and solve recurrence relations 4. Use graphs and trees 5. Apply basic and advanced principles of counting 6. Define sets and Relations 7. Calculate discrete probabilities.
USIT105	Technical Communication Skills	Learners will be able to, 1. Analyze, synthesize and utilize the process and strategies from delivery to solving communication problem. 2. Learn the communication methodologies at workplace and learning about importance of team collaboration. 3. Learn about different technical communication such as presentations and interviews. 4. Understand and apply the art of written communication in writing reports, proposals. 5. Ground rules of ethical communication and MIS. 6. Understand the functions of graphs, maps, charts.
USIT1P1	Programming Principles with C Practical	Learners will be able to, 1. Develop applications. 2. Work with textual information, characters and strings. 3. Understand of a functional hierarchical code organization 4. Debug the program 5. Understand the differences between syntax errors, runtime errors, and logic errors.
USIT1P2	Digital Logic and Applications Practical	Learners will be able to, 1. Construct basic and universal logic circuits. 2. Verify the functionalities of various IC's. 3. Design circuits using K-maps minimization technique 4. Design and test Encoders, Decoders, Multiplexers and Demultiplexers 5. Design and develop logic for Registers, Counters and its applications.
USIT1P3	Fundamentals of Database Management Systems Practical	Learners will be able to: 1. Design database schema for a given application and apply normalization. 2. Acquire skills in using SQL Commands for data Definition and data manipulation.
USIT1P4	Computational Logic and Discrete Structure Practical	Learners will be able to: 1. To find computational solution to various discrete mathematical structures.





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		USIT1P5	Technical Communication Skills Practical	Learners will be able to: 1. Use different forms of digital mediums for effective communication. 2. Create technical documents and format existing documents for effective communication. 3. Learn to use graphical tools for better visualization. 4. Create business presentation effectively. 5. Visualize the data from pictorial representations
SEMESTER-II				
IS00252	F.Y. B.SC I.T (CBCS)	USIT201	Object Oriented Programming with C++	Learners will be able to, 1. Understand the concept of OOPs, feature of C++ language. 2. Understand and apply various types of Datatypes, Operators, Conversions while designing the program. 3. Understand and apply the concepts of Classes & Objects, friend function, constructors & destructors in program design. 4. Design & implement various forms of inheritance, String class, calling base class constructors. 5. Apply & Analyze operator overloading, runtime polymorphism, Generic Programming. 6. Analyze and explore various Stream classes, I/O operations and exception handling.
		USIT202	Fundamentals of Micro Processor and Microcontrollers	Learners will be able to, 1. Understand the basic concepts of Micro Computer Systems 2. Understand the architecture and hardware aspects of 8085 3. Write assembly language programs in 8085 4. Design elementary aspects of Micro Controller based systems 5. Interfacing peripherals using Micro Controller
		USIT203	Web Applications Development	Analyze working of Internet. 1. Gain an insight into designing web pages. 2. Use different ways of styling web pages using CSS. 3. Implement basic and complex functionalities of JavaScript in a web page. 4. Employ PHP Scripts to execute dynamic tasks in a web page. 5. Perform various database tasks using PHP.



		USIT204	Numerical Methods	Learners will be able to, 1. Understand numerical techniques to find the roots of non-linear equations and solution of system of linear equations. 2. Understand the difference operators and the use of interpolation. 3. Understand numerical differentiation and integration and numerical solutions of ordinary and partial differential equations.
		USIT205	Green IT	Learners will be able to, 1. Understand the concept of Green IT and problems related to it. 2. Know different standards for Green IT. 3. Understand the how power usage can be minimized in Technology. 4. Learn about how the way of work is changing. 5. Understand the concept of recycling. 6. Know how information system can stay Green Information system.
		USIT2P1	Object Oriented Programming with C++ Practical	Learners will be able to, 1. Utilize C++ characteristics in software design and development. 2. Explain object-oriented techniques and explain how C++ supports them. 3. Employ C++ to demonstrate practical skill developing object-oriented solutions. 4. Examine a problem statements and design and develop object-oriented software using good coding practices and procedures. 5. In object-oriented design, use common software patterns and recognize their relevance in other software development contexts.
		USIT2P2	Fundamentals of Micro Processor and Microcontrollers Practical	Learners will be able to, 1. Apply concepts of 8085 to single & Multiple Memory Locations 2. Apply concepts of micro-processor register operations 3. Can implement assembly language programs 4. Use of Shift registers 8 & 16 bits 5. Apply the knowledge of Flash Magic in embedded Controllers 6. Learns to simulate and configure different timer controls



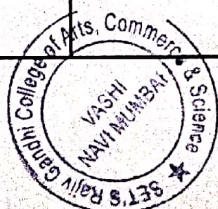
		USIT2P3	Web Applications Development Practical	Learners will be able to, 1. Design static web pages using Hyper Text Markup Language (HTML). 2. Enhance the look of web pages by implementing CSS. 3. Collect information from the user with HTML Forms. 4. Design interactive webpages using client-side script (JavaScript). 5. Implement Document Object Model and events in web pages using JavaScript. 6. Write and deploy basic PHP code to simplify web development. 7. Store and retrieve data from a server using PHP
		USIT2P4	Numerical Methods Practical	Learners will be able to, 1. Find fast and accurate solution to simple and complex numerical problems using these programs.
		USIT2P5	PL/SQL Practical	Learner will be able to: 1. Understand the basics of PL/SQL. 2. Use of the control and conditional statement in PL/SQL. 3. Apply sequences and cursor in PL/SQL. 4. Know the concept of stored procedure and functions 5. Create the triggers and packages in PL/SQL. 6. Implement the concept of Exception handling
SEMESTER-III				
1S00253	S.Y. B.SC I.T (CBCGSS)	USIT301	PYTHON PROGRAMMING	Upon successful completion of this course, the student will be able to: 1. Define and demonstrate the use of built-in data structures lists, tuples and dictionary and how to handle exceptions and files. 2. Design and implement GUI application to solve a real world problem by making database connectivity in python programming language.
		USIT302	DATA STRUCTURES	1) Learn about Data structures, its types and significance in computing 2) Explore about Abstract Data types and its implementation 3) Ability to program various applications using different data structure in C++



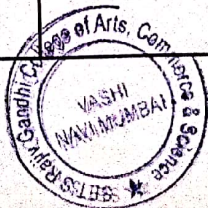
		USIT303	COMPUTER NETWORKS	<p>Learning Outcomes:</p> <ol style="list-style-type: none"> 1. Learner will be able to understand the concepts of networking, which are important for them to be known as a 'networking professionals. 2. Useful to proceed with industrial requirements and international vendor certifications.
		USIT304	DATABASE MANAGEMENT SYSTEMS	<p>Master concepts of stored procedure and triggers and its use. 2. Learn about using PL/SQL for data management 3. Understand concepts and implementations of transaction management and crash recovery</p>
		USIT305	APPLIED MATHEMATICS	<ol style="list-style-type: none"> 1. Learn about applied maths and it's various calculation 2. various types of Matrix learn about complex, differentiation and many more
		USIT3P1	PYTHON PROGRAMMING PRACTICAL	<p>Upon successful completion of this course, the student will be able to:</p> <ol style="list-style-type: none"> 1. Define and demonstrate the use of built-in data structures lists, tuples and dictionary and how to handle exceptions and files. 2. Design and implement GUI application to solve a real world problem by making database connectivity in python programming language.
		USIT3P2	DATA STRUCTURE PRACTICAL	<ol style="list-style-type: none"> 1) Learn about Data structures, its types and significance in computing 2) Explore about Abstract Data types and its implementation 3) Ability to program various applications using different data structure in C++
		USIT3P3	COMPUTER NETWORKS PRACTICAL	<p>Learning Outcomes:</p> <ol style="list-style-type: none"> 1. Learner will be able to understand the concepts of networking, which are important for them to be known as a 'networking professionals. 2. Useful to proceed with industrial requirements and international vendor certifications.



		USIT3P4	DATABASE MANAGEMENT SYSTEMS PRACTICAL	Master concepts of stored procedure and triggers and its use. 2. Learn about using PL/SQL for data management 3. Understand concepts and implementations of transaction management and crash recovery
		USIT3P5	MOBILE PROGRAMMING PRACTICAL	Understand the requirements of Mobile programming environment. 2) Learn about basic methods, tools and techniques for developing Apps 3) Explore and practice App development on Android Platform 4) Develop working prototypes of working systems for various uses in daily lives.
SEMESTER-IV				
IS00254	S.Y. B.SC I.T (CBCGSS)	USIT401	CORE JAVA	1. Object oriented programming concepts using Java. 2. Knowledge of input, its processing and getting suitable output. 3. Understand, design, implement and evaluate classes and applets. 4. Knowledge and implementation of AWT package.
		USIT402	INTRODUCTION TO EMBEDDED SYSTEM	Understand the concept of embedded system, microcontroller, different components of microcontroller and their interactions. □ Get familiarized with programming environment to develop embedded solutions. □ Program ARM microcontroller to perform various tasks. □ Understand the key concepts of embedded systems such as I/O, timers, interrupts and interaction with peripheral devices.
		USIT403	COMPUTER ORIENTED STATISTICAL TECHNIQUES	Provides understanding to work with matrices and performing various transformations on matrices. Introduction to perform basic algebraic manipulation with complex number
		USIT404	SOFTWARE ENGINEERING	Students are learned basic principles of Software Engineering. Understood Software Engineering concepts, methodologies and best practices. They are able to conceptualise Software Engineering principles and approach used in industry. Student got detail knowledge about testing process, level and Methodologies.



		USIT405	COMPUTER GRAPHICS AND ANIMATION	Students will be able to apply in depth knowledge of animation and the knowledge of Principles of Animation in every software. Evaluate the organization and functions of the Animation industry. Came with new ideas of animation with advance technology.
		USIT4P1	CORE JAVA(P)	1. Object oriented programming concepts using Java. 2. Knowledge of input, its processing and getting suitable output. 3. Understand, design, implement and evaluate classes and applets. 4. Knowledge and implementation of AWT package.
		USIT4P2	INTRODUCTION TO EMBEDDED SYSTEM(P)	This course emphasizes on comprehensive treatment of embedded hardware and real time operating systems along with case studies, in tune with the requirements of Industry. The objective of this course is to enable the students to understand embedded-system programming and apply that knowledge to design and develop embedded solutions.
		USIT4P3	COMPUTER ORIENTED STATISTICAL TECHNIQUES(P)	1) Enable learners to know descriptive statistical concepts 2) Enable study of probability concept, Correlation and regression
		USIT4P4	SOFTWARE ENGINEERING(P)	Plan a software engineering process life cycle , including the specification, design, implementation, and testing of software systems that meet specification, performance, maintenance and quality requirements b) Able to elicit, analyze and specify software requirements through a productive working relationship with various stakeholders of the project c) Analyze and translate a specification into a design, and then realize that design practically, using an appropriate software engineering methodology. d) Know how to develop the code from the design and effectively apply relevant standards and perform testing, and quality management and practice e) Able to use modern engineering tools necessary for software project management, time management and software reuse.



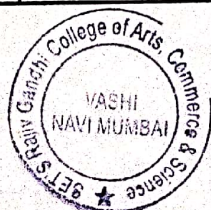
		USIT4P5	COMPUTER GRAPHICS AND ANIMATION(P)	<p>Upon successful completion of this course, students will be able to</p> <p>Familiarize the student with basic principles and fundamentals in visual art and design.</p> <p>Develop basic skills using tools and theory used in design process.</p> <p>Understand the creative process, develop techniques and methods of creative problem solving.</p>
SEMESTER-V				
IS00255	T.Y. B.SC I.T (CBCGSS)	53701	SOFTWARE PROJECT MANAGEMENT	This course is aimed at introducing the primary important concepts of project management related to managing software development projects. They will also get familiar with the different activities involved in Software Project Management. Further, they will also come to know how to successfully plan and implement a software project management activity, and to complete a specific project in time with the available budget.
		53702	INTERNET OF THINGS	Students will be explored to the interconnection and integration of the physical world and the cyber space. They are also able to design & develop IOT Devices.
		53703	ADVANCED WEB PROGRAMMING	Build and debug Web Forms with ASP.NET Controls. Perform form validation with validation controls and navigation by navigation controls. Create custom controls with user controls and master page for unique theme. Use ADO.NET in a web application to read, insert, and update data in a database.
		53704	ARTIFICIAL - INTELLIGENCE	<ol style="list-style-type: none"> 1) Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations. 2) Understand how to apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.



		53706	ENTERPRISE JAVA	<ol style="list-style-type: none"> 1. create a full set of UI widgets and other components, including windows, menus, buttons, checkboxes, text fields, scrollbars and scrolling lists, using Abstract Windowing Toolkit (AWT) & Swings 2. apply event handling on AWT and Swing components. 3. learn to access database through Java programs, using Java Data Base Connectivity (JDBC) 4. create dynamic web pages, using Servlets and JSP. 5. make a reusable software component, using Java Bean. 6. invoke the remote methods in an application using Remote Method Invocation (RMI)
		USIT5P1	PROJECT DISSERTATION	This module will provide guidance and support throughout the writing dissertation. From discussing initial ideas of dissertation through the process of actually writing the document, this module will provide the information and support required from both the teaching staff and Student allocated dissertation supervisor.
		USIT5P2	INTERNET OF THINGS PRACTICAL	<p>Able to understand the application areas of IOT · Able to realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks ·</p> <p>Able to understand building blocks of Internet of Things and characteristics</p>
		USIT5P3	ADVANCED WEB PROGRAMMING PRACTICAL	<p>Build and debug Web Forms with ASP, NET Controls.</p> <p>Perform form validation with validation controls and navigation by navigation controls.</p> <p>Create custom controls with user controls and master page for unique theme.</p> <p>Use ADO.NET in a web application to read, insert, and update data in a database.</p>
		USIT5P4	ARTIFICAIL INTELLIGENCE PRACTICAL	<ol style="list-style-type: none"> 1) Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations. 2) Understand how to apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.



		USIT5P6	ENTERPRISE JAVA PRACTICAL	Using Graphics, Animations and Multithreading for designing Simulation and Game based applications. • Design and develop GUI applications using Abstract Windowing Toolkit (AWT), Swing and Event Handling. • Design and develop Web applications • Designing Enterprise based applications by encapsulating an application's business logic. • Designing applications using pre-built frameworks
SEMESTER-VI				
IS00256	T.Y. B.SC I.T (CBCGSS)	88701	SOFTWARE QUALITY ASSURANCE	Understand various software testing methods and strategies. Understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software. Design SQA activities, SQA strategy, formal technical review report for software quality control and assurance
		88702	SECURITY IN COMPUTING	<p>Identify some of the factors driving the need for network security</p> <p>Identify and classify particular examples of attacks</p> <p>Define the terms vulnerability, threat and attack</p> <p>Identify physical points of vulnerability in simple networks</p> <p>Compare and contrast symmetric and asymmetric encryption systems and their vulnerability to attack, and explain the characteristics of hybrid systems</p>
		88703	BUSINESS INTELLIGENCE	<p>Cultivate an ability to critically analyse, synthesise and solve complex unstructured business problems. Encourage knowledge for business improvement, innovation and entrepreneurial feat.</p> <p>It promotes students for sharing of experiences to enhance the benefits of collaborative learning.</p>



		88704	PRINCIPLES OF GEOGRAPHIC INFORMATION	Students will acquire the basics of GIS and will use GIS to: Explore mapped data, Relate GIS with remote sensing technologies, Analyze spatial data, using GIS analysis tools
		88707	CYBER LAWS	Knowledge of Cyber World and Cyber Law in general -The various aspects of cyber crimes -Understanding the problems relating to e-commerce transactions -Intellectual Property issues in IT Act PO5-International Perspective in Cyber Law
		USIT6P1	PROJECT IMPLEMENTATION	Suggesting an efficient management strategy for a business scenario. • Demonstrate through application, knowledge of the key project management skills, such as product and work break-down structure, schedule, governance including progress reporting, risk and quality management • Demonstrate an ability to present his/her ideas both formally and informally to a group of their peers and the management
		USIT6P2	SECURITY IN COMPUTING PRACTICAL	identify some of the factors driving the need for network security identify and classify particular examples of attacks define the terms vulnerability, threat and attack identify physical points of vulnerability in simple networks compare and contrast symmetric and asymmetric encryption systems and their vulnerability to attack, and explain the characteristics of hybrid systems
		USIT6P3	BUSINESS INTELLIGENCE PRACTICAL	Cultivate an ability to critically analyse, synthesise and solve complex unstructured business problems. Encourage knowledge for business improvement, innovation and entrepreneurial feat. It promotes students for sharing of experiences to enhance the benefits of collaborative learning.
		USIT6P4	PRINCIPLES OF GEOGRAPHIC INFORMATION PRACTICAL	Students will be able to Create maps, images and apps to communicate spatial data in a meaningful way to others

		USIT6P6	ADVANCED MOBILE PROGRAMMING	Understand the requirements of Mobile programming environment. 2) Learn about basic methods, tools and techniques for developing Apps 3) Explore and practice App development on Android Platform 4) Develop working prototypes of working systems for various uses in daily lives.
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I / C PRINCIPAL
 Sainath Education Trust's,
 Rajiv Gandhi College of Arts, Commerce & Science
 Plot No.16/17, Sector-10A, Vashi, Navi Mumbai-400703



Rajiv Gandhi College
Of Arts, Commerce and Science

Sainath Education Trust's Rajiv Gandhi College Of Arts, Commerce and Science

Plot no.16/17, Sector 10A, Vashi, Navi Mumbai, 400703
(Affiliated to University of Mumbai)

PROGRAMME : BACHELOR OF SCIENCE (COMPUTER SCIENCE)

Program code	Program Name	Course code	Course Name	Course Outcome
SEMESTER-1				
1S00151	F. Y. BSC CS (CHOICE BASED)	USCS101	Digital Systems & Architecture	After successful completion of this course, students would be able to 1. To learn about how computer systems work and underlying principles 2. To understand the basics of digital electronics needed for computers 3. To understand the basics of instruction set architecture for reduced and complex instruction sets 4. To understand the basics of processor structure and operation 5. To understand how data is transferred between the processor and I/O devices
		USCS102	Introduction to Programming with Python	After successful completion of this course, students would be able to: 1. Ability to store, manipulate and access data in Python 2. Ability to implement basic Input / Output operations in Python 3. Ability to define the structure and components of a Python program. 4. Ability to learn how to write loops and decision statements in Python. 5. Ability to learn how to write functions and pass arguments in Python. 6. Ability to create and use Compound data types in Python



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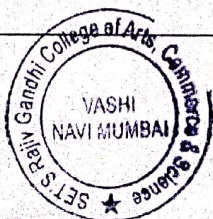
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Rajiv Gandhi College of Arts, Commerce & Science
Plot No.16/17, Sector-10A, Vashi, Navi Mumbai-400703



		USCS103	LINUX Operating System	<p>After successful completion of this course, students would be able to</p> <ol style="list-style-type: none"> 1. Work with Linux file system structure, Linux Environment 2. Handle shell commands for scripting, with features of regular expressions, redirections 3. Implement file security permissions 4. Work with vi, sed and awk editors for shell scripting using various control structures 5. Install softwares like compilers and develop programs in C and Python programming languages on Linux Platform
		USCS104	Open Source Technologies	<p>Differentiate between Open Source and Proprietary software and Licensing.</p> <ol style="list-style-type: none"> 1. Recognize the applications, benefits and features of Open-Source Technologies 2. Gain knowledge to start, manage open-source projects
		USCS105	Discrete Mathematics	<p>After successful completion of this course, learners would be able to:</p> <ol style="list-style-type: none"> 1. Define mathematical structures (relations, functions, graphs) and use them to model real life situations. 2. Understand, construct and solve simple mathematical problems. 3. Solve puzzles based on counting principles. 4. Provide basic knowledge about models of automata theory and the corresponding formal languages. 5. Develop an attitude to solve problems based on graphs and trees, which are widely used in software
		USCS106	Descriptive Statistics	<p>After successful completion of this course, learners would be able to</p> <ol style="list-style-type: none"> 1. Organize, manage and present data. 2. Analyze Statistical data using measures of central tendency and dispersion. 3. Analyze Statistical data using basics techniques of R. 4. Study the relationship between variables using techniques of correlation and regression.



		USCS107	Soft Skills	Learners will be able to understand the importance and types soft skills 1. Learners will develop skills for Academic and Professional Presentations. 2. Learners will able to understand Leadership Qualities and Ethics. 3. Ability to understand the importance of stress management in their academic & professional life.
		USCSP101	Digital Systems & Architecture – Practical	1.Understanding of Digital Logic: Students should gain a solid understanding of digital logic gates (AND, OR, NOT, etc.) and how to use them to design and analyze digital circuits. 2 Boolean Algebra: Proficiency in Boolean algebra and its application to simplify and optimize digital circuits. 3Combinational Logic Design: Ability to design and implement combinational logic circuits, including multiplexers, decoders, adders, and subtractors.
		USCSP102	Introduction to Programming with Python – Practical	Students should learn writing Python code, including understanding and using Python's syntax rules, indentation, and commenting.
		USCSP103	LINUX Operating System – Practical	Students should learn writing Basic Command-Line Skills using the Linux command line for tasks such as navigating the file system, creating, deleting, moving, and copying files and directories.
		USCSP104	Open Source Technologies – Practical	1.learners should understanding of the open-source philosophy, the importance of open-source software in modern technology, and its impact on the industry. 2.Open Source Licensing: Knowledge of open-source licenses.
		USCSP106	Descriptive Statistics – Practical	learner should Improved ability to collecting, cleaning, and organizing data for analysis.
		USCSP105	Discrete Mathematics – Practical	learner should Improved ability to think critically and logically, for problem-solving in computer science and other disciplines.



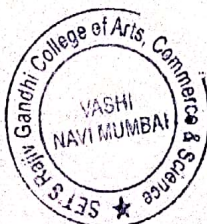
SEMESTER-II				
1S00152	F. Y. BSC CS (CHOICE BASED)	USCS201	Design & Analysis of Algorithms	After successful completion of this course, students would be able to 1. Students should be able to understand and evaluate efficiency of the programs that they write based on performance of the algorithms used. 2. Students should be able to appreciate the use of various data structures as per need 3. To select, decide and apply appropriate design principle by understanding the requirements of any real life problems
		USCS202	Advanced Python Programming	After successful completion of this course, students would be able to 1. Ability to implement OOP concepts in Python including Inheritance and Polymorphism 2. Ability to work with files and perform operations on it using Python. 3. Ability to implement regular expression and concept of threads for developing efficient program 4. Ability to implement exception handling in Python applications for error handling. 5. Knowledge of working with databases, designing GUI in Python and implement networking in Python
		USCS203	Introduction to OOPs using C++	After successful completion of this course, students would be able to 1. Work with numeric, character and textual data and arrays. 2. Understand the importance of OOP approach over procedural language. 3. Understand how to model classes and relationships using UML. 4. Apply the concepts of OOPS like encapsulation, inheritance and polymorphism. 5. Handle basic file operations



		USCS204	Database Systems	<p>After successful completion of this course, students would be able to 1. To appreciate the importance of database design. 2. Analyze database requirements and determine the entities involved in the system and their relationship to one another. 3. Write simple queries to MySQL related to String, Maths and Date Functions. 4. Create tables and insert/update/delete data, and query data in a relational DBMS using MySQL commands. 5. Understand the normalization and its role in the database design process. 6. Handle data permissions. 7. Create indexes and understands the role of Indexes in optimization search.</p>
		USCS205	Calculus	<p>After successful completion of this course, learners would be able to: 1. Develop mathematical skills and enhance thinking power of learners. 2. Understand mathematical concepts like limit, continuity, derivative, integration of functions, partial derivatives. 3. Appreciate real world applications which uses the learned concepts. 4. Skill to formulate a problem through Mathematical modelling and simulation</p>
		USCS206	Statistical Methods	<p>After successful completion of this course, learners would be able to 1. Calculate probability, conditional probability and independence. 2. Apply the given discrete and continuous distributions whenever necessary. 3. Define null hypothesis, alternative hypothesis, level of significance, test statistic and p value. 4. Perform Test of Hypothesis as well as calculate confidence interval for a population parameter for single sample and two sample cases. 5. Apply non-parametric test whenever necessary. 6. Conduct and interpret one-way and two-way ANOVA.</p>



		USCS207	E-Commerce & Digital Marketing	After successful completion of this course, students would be able to 1. Understand the core concepts of E-Commerce. 2. Understand the various online payment techniques 3. Understand the core concepts of digital marketing and the role of digital marketing in business. 4. Apply digital marketing strategies to increase sales and growth of business 5. Apply digital marketing through different channels and platforms 6. Understand the significance of Web Analytics and Google Analytics and apply the same
		USCSP201	Design & Analysis of Algorithms – Practical	Learners will be able to design, evaluate, and implement efficient algorithms for solving a wide range of computational problems.
		USCSP202	Advanced Python Programming – Practical	Learners will be able to implement OOP concepts in Python including Inheritance and Polymorphism 2. Ability to work with files and perform operations on it using Python
		USCSP203	Introduction to OOPs using C++ – Practical	Learner should understand the core concepts of object-oriented programming, including objects, classes, inheritance, polymorphism, and encapsulation.
		USCSP204	Database Systems – Practical	Learners will be able to: 1. Design database schema for a given application and apply normalization. 2. Acquire skills in using SQL Commands for data Definition and data manipulation.
		USCSP205	Calculus – Practical	1. Learners will be able to develop Problem-Solving Skills which are valuable in a wide range of professional settings. 2. Mathematical Modeling: Proficiency in using calculus to create mathematical models that describe and predict real-world phenomena, such as population growth and physical motion.



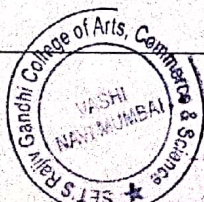
		USCSP206	Statistical Methods – Practical	1.Learners will be able to understand Data Collection and Cleaning: Proficiency in collecting, cleaning, and preparing data for analysis 2.Descriptive Statistics: Ability to summarize and describe data using measures such as mean, median, mode, standard deviation, and variance.
SEMESTER-III				
IS00153	S. Y. BSC CS (CBCS)	USCS301	Principles of Operating Systems	After successful completion of this course, students would be able to 1. Work with any type of operating system 2. Handle threads, processes, process synchronization 3. Implement CPU scheduling algorithms 4. Understand the background role of memory management 5. Design file system
		USCS302	Linear Algebra	After successful completion of this course, students would be able to 1. Appreciate the relevance and applications of Linear Algebra in the field of Computer Science. 2. Understand the concepts through program implementation. 3. Instill a computational thinking while learning linear algebra. 4. Express clear understanding of the concept of a solution to a system of equations. 5. Find eigenvalues and corresponding eigenvectors for a square matrix.
		USCS303	Data Structures	After successful completion of this course, students would be able to- 1. Create different types of data structures. 2. Understand which data structure to be used based on the type of the problem. 3. Apply combined knowledge of algorithms and data structures to write highly effective programs in various domains.



		USCS304	Advanced Database Concepts	After successful completion of this course, students would be able to 1. Master concepts of stored procedure, functions, cursors and triggers and its use. 2. Learn about using PL/SQL for data management. 3. Use efficiently Collections and records. 4. Understand concepts and implementations of transaction management and crash recovery.
		USCS305	Java based Application Development	After successful completion of this course, students would be able to 1. Design basic application in java using Graphical User Interface. 2. The learner will be able to develop applications using swings 3. The learner will be able to develop web based applications using servlet and jsp 4. The learner will be able to connect databases with java through 5. The learner will be able to perform programs using JSON objects
		USCS306	Web Technologies	After successful completion of this course, students would be able to 1. Design valid, well-formed, scalable, and meaningful pages using emerging technologies. 2. Understand the various platforms, devices, display resolutions, viewports, and browsers that render websites 3. Develop and implement client-side and server-side scripting language programs. 4. Develop and implement Database Driven Websites. 5. Design and apply XML to create a markup language for data and document centric applications.
		USCS3072	Green Technologies	After successful completion of this course, students would be able to 1. Explain drivers and dimensions of change for Green Technology 2. Appreciate Virtualization; smart meters and optimization in achieving green IT 3. Gain knowledge about green assets, green processes, and green enterprise architecture 4. ISO 14001 and related standards for Audit for Green Compliance

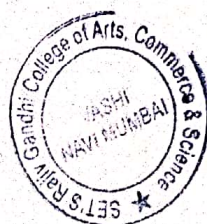


		USCSP301	Principles of Operating Systems – Practical	Learners will be able to develop understanding of the core concepts of operating systems, including processes, threads, memory management, file systems, and I/O operations.
		USCSP302	Linear Algebra – Practical	1.Learners will be able to develop essential computer graphics for tasks such as 3D modeling, transformations, and rendering. Matrices and vectors are used to represent geometric shapes, camera projections, and lighting calculations. 2.Linear algebra is at the core of machine learning algorithms.
		USCSP303	Data Structures – Practical	1) Learn about Data structures, its types and significance in computing 2) Explore about Abstract Data types and its implementation 3) Ability to program various applications using different data structure in C++
		USCSP304	Advanced Database Concepts – Practical	1 Learn will able to implement concepts of stored procedure and triggers and its use using PL/SQL for data management 2. Understand concepts and implementations of transaction management and crash recovery
		USCSP305	Java based Application Development – Practical	1.Learn will able to implement Object oriented programming concepts using Java. 2. Knowledge of input, its processing and getting suitable output. 3. Understand, design, implement and evaluate classes and applets. 4. Knowledge and implementation of AWT package.
		USCSP306	Web Technologies – Practical	Learners will be able to, 1. Design static web pages using Hyper Text Markup Language (HTML). 2. Enhance the look of web pages by implementing CSS. 3. Collect information from the user with HTML Forms. 4. Design interactive webpages using client-side script (JavaScript).



SEMESTER IV

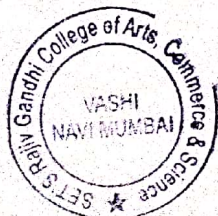
1S00154	S. Y. BSC CS (CHOICE BASED)	USCS401	Theory of Computation	After successful completion of this course, students would be able to 1. Understand Grammar and Languages 2. Learn about Automata theory and its application in Language Design 3. Learn about Turing Machines and Pushdown Automata 4. Understand Linear Bound Automata and its applications
		USCS402	Computer Networks	After successful completion of this course, students would be able to 1. Learn basic networking concepts and layered architecture. 2. Understand the concepts of networking, which are important for them to be known as a 'networking professionals'.
		USCS403	Software Engineering	After successful completion of this course, students would be able to 1. Plan a software engineering process life cycle, including the specification, design, implementation, and testing of software systems that meet specification, performance, maintenance and quality requirements 2. Analyze and translate a specification into a design, and then realize that design practically, using an appropriate software engineering methodology. 3. Know how to develop the code from the design and effectively apply relevant standards and perform testing, and quality management and practice 4. Able to use modern engineering tools necessary for software project management, time management and software reuse.
		USCS404	IoT Technologies	After successful completion of this course, students would be able to 1. understand SoC and IoT 2. use different types of IoT Platforms and interfaces 3. understand and implement an idea of various types of applications built using IoT



	USCS405	Android Application Development	<p>After successful completion of this course, students would be able to</p> <ol style="list-style-type: none"> 1. Build useful mobile applications using Kotlin language on Android 2. Install and configure Android Studio for application development 3. Master basic to intermediate concepts of Kotlin required for mobile application development 4. Use built-in widgets and components, work with the database to store data 5. Master key Android programming concepts and deploy the application on Google Play
	USCS406	Advanced Application Development	<p>After successful completion of this course, students would be able to</p> <ol style="list-style-type: none"> 1. Store the data in NoSQL, document-oriented MongoDB database that brings performance and scalability. 2. Use Node.js and Express Framework for building fast, scalable network applications 3. Use AngularJS framework that offers declarative, two-way data binding for web applications. 4. Integrate the front-end and back-end components of the MEAN stack. 5. Develop robust mobile applications using Flutter.
	USCS4071	Research Methodology	<p>After successful completion of this course, students would be able to</p> <ol style="list-style-type: none"> 1. Define research, formulate problem and describe the research process and research methods. 2. Understand and apply basic research methods including research design, data analysis and interpretation. 3. Understand ethical issues in research, write research report, research paper and publish the paper
	USCSP401	Theory of Computation -- Practical	<p>1. Learners will be able to, understand and implement formal languages and grammars, which is a part of computation theory. This helps in developing programming languages that are easy to understand, write, and maintain.</p> <p>2. Computation theory provides the foundation for building compilers and interpreters.</p>



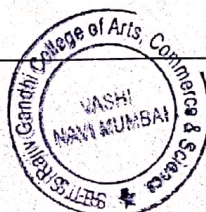
		USCSP402	Computer Networks – Practical	<p>1. Learner will be able to understand the concepts of networking, which are important for them to be known as a 'networking professionals.</p> <p>2. Useful to proceed with industrial requirements and international vendor certifications.</p>
		USCSP403	Software Engineering – Practical	<p>Learner will be able to understand the concepts software engineering process life cycle , including the specification, design, implementation, and testing of software systems that meet specification, performance, maintenance and quality requirements</p>
		USCSP404	IoT Technologies – Practical	<p>1Learner will understand & implement IoT technologies in home automation including lighting, heating, cooling, security, and entertainment systems. Smart thermostats, lighting controls, and voice-activated assistants like Amazon Alexa and Google Assistant are practical examples.</p> <p>2.IoT technologies are used to monitor and optimize processes, reduce downtime, and improve overall efficiency.</p>
		USCSP405	Android Application Development – Practical	<p>Learner will understand & implement the creation of android app that cover everything from productivity tools such as entertainment, health, and education.</p>
		USCSP406	Advanced Application Development – Practical	<p>Learner will understand advanced tools, frameworks, and methodologies to build complex and feature-rich applications.</p>
SEMESTER-V				
IS00155	T. Y. BSC CS (CHOICE BASED)	82901	ARTIFICIAL INTELLIGENCE	<p>1) Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations.</p> <p>2) Understand how to apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.</p>



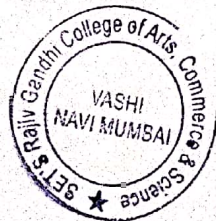
		82903	SOFTWARE TESTING AND QUALITY ASSURANCE	Understand various software testing methods and strategies. Understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software. Design SQA activities, SQA strategy, formal technical review report for software quality control and assurance.
		82904	INFORMATION AND NETWORK SECURITY	Understand the principles and practices of cryptographic techniques. Understand a variety of generic security threats and vulnerabilities, and identify & analyze particular security problems for a given application. Understand various protocols for network security to protect against the threats in a network
		82906	WEB SERVICES	Emphasis on SOAP based web services and associated standards such as WSDL. Design SOAP based / RESTful / WCF services Deal with Security and QoS issues of Web Services
		82907	GAME PROGRAMMING	Learner should study Graphics and gaming concepts with present working style of developers where everything remains on internet and they need to review it, understand it, be a part of community and learn.
		USCSP501	PRACTICAL OF ELECTIVE-I	1) Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations. 2) Understand how to apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.
		USCSP502	PRACTICAL OF ELECTIVE-II	Practical of Data collection, Data curation and management for Large-scale Data system (such as MongoDB)



		USCSP503	PROJECT IMPLEMENTATION	the techniques to assess their accuracy in predicting software development project outcomes (i.e., whether the project is a success or failure) and identify critical success factors within our data. student collected the data from software developers who answered a questionnaire targeting a software development project they had recently worked on. The questionnaire addresses both technical and managerial features of software development projects
		USCSP504	PRACTICAL OF SKILL ENHANCEMENT:USCS507	Learner should study Graphics and gaming concepts with present working style of developers where everything remains on internet and they need to review it, understand it, be a part of community and learn.
SEMESTER-VI				
IS00156	T. Y. BSC CS (CHOICE BASED)	87002	CLOUD COMPUTING	After successfully completion of this course, learner should be able to articulate the main concepts, key technologies, strengths, and limitations of cloud computing and the possible applications for state-of-the-art cloud computing using open source technology.
		87003	CYBER FORENSICS	Learning Outcomes: The student will be able to plan and prepare for all stages of an investigation - detection, initial response and management interaction, investigate various media to collect evidence, report them in a way that would be acceptable in the court of law.
		87004	INFORMATION RETRIEVAL	After completion of this course, learner should get an understanding of the field of information retrieval and its relationship to search engines. It will give the learner an understanding to apply information retrieval models
		87006	DATA SCIENCE	After completion of this course, the students should be able to understand & comprehend the problem; and should be able to define suitable statistical method to be adopted



	87007	ETHICAL HACKING	Learner will know to identify security vulnerabilities and weaknesses in the target applications. They will also know to test and exploit systems using various tools and understand the impact of hacking in real time machines
	USCSP601	PRACTICAL OF ELECTIVE-I	Learner should be able to identify the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid cloud, etc. They should explain the core issues of cloud computing such as security, privacy, and interoperability.
	USCSP602	PRACTICAL OF ELECTIVE-II	1. Understanding the Sensor Node Hardware. (For Eg. Sensors, Nodes(Sensor mote), Base Station, Graphical User Interface.) 2. Exploring and understanding TinyOS computational concepts:- Events, Commands and Task
	USCSP603	PROJECT IMPLEMENTATION	the techniques to assess their accuracy in predicting software development project outcomes (i.e., whether the project is a success or failure) and identify critical success factors within our data. student collected the data from software developers who answered a questionnaire targeting a software development project they had recently worked on. The questionnaire addresses both technical and managerial features of software development projects
	USCSP604	PRACTICAL OF SKILL ENHANCEMENT:USCS607	Learner will know to identify security vulnerabilities and weaknesses in the target applications. They will also know to test and exploit systems using various tools and understand the impact of hacking in real time machines.



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PROGRAMME : BACHELOR OF MANAGEMENT STUDIES

Program code	Program Name	Course code	Course Name	Course Outcome
SEMESTER-1				
2M00151	F. Y. BMS (CBCGSS)	UBMSI.1	INTRODUCTION TO FINANCIAL ACCOUNTS	<ol style="list-style-type: none">1. Explain purposes and functions of accounting2. Combine practice and theoretical knowledge of financial accounting.3. Develop ability to prepare financial statements
		UBMSI.2	BUSINESS LAW	<ol style="list-style-type: none">1. Spot legal problems before they become issues.2. Understand IP inventions and avoid IP infringements3. Apply basic legal knowledge to business transactions
		UBMSI.3	BUSINESS STATISTICS	<p>The main objective of this course is to introduce Business statistics to undergraduate students of Management studies so that they can use them in the industry and Business to solve the real life problems.</p> <ol style="list-style-type: none">1)The students would get to know about the usage of how to represent the Data and Analysis of data2)The students would be able to understand the concepts of Linear Regression analysis, correlation and it's prediction on basis of these.3) The students would be able to understand different measures of Central Tendencies, their merits, demerits and acquire the skill of calculating Time series , Index Number .4) The students would be able to understand the concepts of Probability, Events , Algebra of Events , Theorems on Probability and calculation of Probability, Calculation of Expectation.
		UBMSI.4	BUSINESS COMMUNICATION - I	<ol style="list-style-type: none">1. Foster good working relationships at their workplace2. Identify and apply suitable modes of communication3. Overcome barriers to effective communication



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		UBMSI.5	FOUNDATION COURSE- I	This course is designed to create social awareness at a preliminary level for students across the board □ To help the students to upgrade their knowledge on current challenges and issues of Indian society □ To sensitize students about social problems plaguing Indian society and to emphasize the role of educated youth to address the same.
		UBMSI.6	FOUNDATION OF HUMAN SKILLS	<ol style="list-style-type: none"> 1. Effectively manage interpersonal relationships 2. Contribute as a team member and exercise leadership skills. 3. Identify ways of coping with stress effectively
		UBMSI.7	BUSINESS ECONOMICS - I	<ol style="list-style-type: none"> 1. Develop the ability to explain the core economic terms, concepts and theories 2. Use critical thinking skills within the discipline of economics about economic matters. 3. Become well trained professionals with inter and multi-disciplinary skills for applied economic analysis
SEMESTER-II				
2M00152	F. Y. BMS (CBCGSS)	UBMSII.1	PRINCIPLES OF MARKETING	<ol style="list-style-type: none"> 1. Acquire skills necessary to become successful marketing managers. 2. Use marketing information and research to develop marketing strategies for an organization. 3. Present effective solutions to customers' needs
		UBMSII.2	INDUSTRIAL LAW	<ol style="list-style-type: none"> 1. Apply aspects of employment relations and industrial related to industrial law to real workplace disputes relations and industrial situations 2. To study laws related to equity, and Social legislation safety, health and welfare sustainability 3. . To know about social and emerging labour legislation in India regulation . 4. To study laws related to Gratuity with the help of compensati on the Payment of Gratuity managemen t Act 1972
		UBMSII.3	BUSINESS MATHEMATICS	<p>Upon successfully completion of course students should able to</p> <ol style="list-style-type: none"> 1)Analyze real world scenarios to recognize when simple and compound interest, annuities, Finding EMI, pricing, invoice preparation, trade discounts, Application of matrix, derivatives and it's application 2)Appreciate business mathematics concepts that are encountered in the real world, understand and be able to communicate the underlying business concepts and mathematics involved to help another person gain insight into the situation.



		UBMSII.4	BUSINESS COMMUNICATION-II	<ol style="list-style-type: none"> 1. Communicate effectively in variety of organizational settings 2. Participate effectively in groups with emphasis on listening, critical and reflective thinking 3. Demonstrate a good understanding of effective business writing
		UBMSII.6	BUSINESS ENVIRONMENT	<ol style="list-style-type: none"> 1. Analyze the environment of a business from the legal & regulatory, cultural, political, technological and natural perspectives. 2. Conduct an in-depth analysis of a specific component of the business environment and relate it to their organization. 3. Identify the main features of the international business environment and its main institutions
		UBMSII.5	FOUNDATION COURSE-II	This course is designed to create social awareness at a preliminary level for students across the board □ To help the students to upgrade their knowledge on current challenges and issues of Indian society □ To sensitize students about social problems plaguing Indian society and to emphasize the role of educated youth to address the same.
		UBMSII.7	PRINCIPLES OF MANAGEMENT	<ol style="list-style-type: none"> 1. Effectively manage an organization 2. Successfully handle different managerial situations. 3. Practice the process of management's four functions: planning, organizing, leading, and controlling.
SEMESTER-III				
2M00153	S. Y. BMS (CBCGSS)	UBMSSSIII.1.0 5	CONSUMER BEHAVIOUR	<ul style="list-style-type: none"> • Develop an understanding about the consumer decision making process and its application to the marketing function of a firm • Have basic knowledge about the issues & dimensions of consumer behaviour. Students are expected to develop the skill of understanding & analysing consumer information and using it to create marketing-oriented strategies.
		UBMSSSIII.1.0 8	SOCIAL MARKETING	Describe and explain the meaning and nature of social marketing. analyse social marketing problems and suggest ways of solving these. assess the role of branding, social advertising and other communications in achieving behavioural change.
		UBMSSSIII.2	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT	<ol style="list-style-type: none"> 1. Effectively identify and apply IT-based solutions to different problem domains. 2. Write professional emails 3. Identify different types of threats to computer systems and control measures <p>Corporate Finance</p>



		UBMSSSIII.3.0 1	FOUNDATION COURSE (ENVIRONMENTAL MANAGEMENT)	<ol style="list-style-type: none"> 1. Address complex environmental issues from a problem-oriented perspective. 2. Demonstrate and apply an advanced understanding of sustainable development practices in environmental management 3. Adopt innovative technology for a greener future
		UBMSSSIII.4	BUSINESS PLANNING & ENTREPRENEURIAL MANAGEMENT	<ol style="list-style-type: none"> 1. Assess the commercial viability of new business opportunities. 2. Possess the necessary skills to become successful entrepreneurs 3. Plan, organize, and execute a project or new venture with the goal of bringing new products and service to the market.
		UBMSSSIII.5	ACCOUNTING FOR MANAGERIAL DECISIONS	<ol style="list-style-type: none"> 1. Apply methods of management accounting to different organizational settings 2. Evaluate financial data utilizing various financial statement analysis techniques. 3. Evaluate and assess Credit Policies of an organization.
		UBMSSSIII.6	STRATEGIC MANAGEMENT	<ol style="list-style-type: none"> 1. Assess the commercial viability of new business opportunities. 2. Possess the necessary skills to become successful entrepreneurs 3. Plan, organize, and execute a project or new venture with the goal of bringing new products and service to the market.
SEMESTER-IV				
2M00154	S. Y. BMS (CBCGSS)	UBMSSSIV.1.0 5	INTEGRATED MARKETING COMMUNICATION	<ul style="list-style-type: none"> • Understand the principles and practices of marketing communications, involving tools used by marketers to inform consumers • Provide a managerial framework for integrated marketing communications planning
		UBMSSSIV.1.0 7	EVENT MARKETING	<ol style="list-style-type: none"> 1. To understand basic concepts of Event Marketing. 2 To impart knowledge to learners about categories of Events. 3 To understand segmenting, targeting and positioning in the context of Event Marketing. 4 To familiarize learners with trends and challenges in Event Marketing.
		UBMSSSIV.2	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT - II	<ol style="list-style-type: none"> 1. Develop a clear understanding of Information Technology 2. Demonstrate the ability to manage the dissemination of information via different formats 3. Learn to use various IT tools for solving Business Problems.



		UBMSSSIV.3.0 1	FOUNDATION COURSE (ETHICS & GOVERNANCE) - IV	<ol style="list-style-type: none"> 1. Apply theoretical and practical approaches to business ethics, CSR and CG relevant to contemporary environment. 2. Promote ethical standards at work place and provide a consistent example of desired ethical conduct. 3. Demonstrate a critical appreciation of importance of corporate responsibility and how it relates to corporate strategy.
		UBMSSSIV.4	BUSINESS ECONOMICS - II	<ol style="list-style-type: none"> 1. To understand the Analyze the industry structure economic data and theory evolution and operation of and firm-level 2. To learn about the effect pricing and production 3. Identify the causes of theory and issues of decisions prosperity, growth, and international trade To understand monetary economic change over time and fiscal policies and and explain the mechanisms how they affect the through which these causes economy operate in the economy. 4. To identify the tools of monetary policy and fiscal policy
		UBMSSSIV.5	BUSINESS RESEARCH METHODS	<p>Apply a range of quantitative and / or qualitative research techniques to business and management problems / issues <input type="checkbox"/> Understand and apply research approaches, techniques and strategies in the appropriate manner for managerial decision making <input type="checkbox"/> Demonstrate knowledge and understanding of data analysis and interpretation in relation to the research process <input type="checkbox"/></p> <p>Conceptualise the research process <input type="checkbox"/> Develop necessary critical thinking skills in order to evaluate different research approaches utilised in the service industries <input type="checkbox"/> Students should be able to identify the overall process of designing a research study from its inception to its report. <input type="checkbox"/></p> <p>Students should be able to define the meaning of a variable, and to be able to identify independent, dependent, and mediating variables. <input type="checkbox"/> Students should be familiar with good practices in conducting a qualitative interview and observation</p>



		46001	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	Relate to the concepts of and supply chain basic understanding of Logistics and Supply Chain management concepts of logistics and Management.To introduce students to key decisions (e.g., facilities, activities performed by the inventory, and logistics costing, logistics functions transportation) impact the performance Explain how technolog To understand global trends and continues to change and supply chain in logistics and supply chain logistics and supply chain management management
		46002	CORPORATE COMMUNICATION AND PUBLIC RELATION	1. Demonstrate effective communication skills in the corporate world 2. Recognize the basic concepts and approaches of corporate communications. 3. Apply strategies and tools to build and manage stakeholder relationships to support public relations activities, organizational objectives and career development.
		46013	CUSTOMER RELATIONSHIP MANAGEMENT	1To understand concept of Customer Relationship Management (CRM) and implementation of Customer Relationship Management 2To provide insight into CRM marketing initiatives, customer service and designing CRM strategy 3To understand new trends in CRM, challenges and opportunities for organizations
SEMESTER-VI				
2M00156	T. Y. BMS (CBCGSS)	86001	OPERATION RESEARCH	1. Formulate and solve mathematical model (linear programming problem) for a physical situation like production, distribution of goods and economics. 2. Use appropriate techniques to represent and analyze projects with a view to managing resources, minimizing costs, and coping with uncertainty. 3. Solve numerical on Transportation Models and Assignment Models.
		86003	BRAND MANAGEMENT	1. Demonstrate knowledge of the nature and processes of branding and brand management. 2. Evaluate the scope of brand management activity across the overall organisational context and analyse how it relates to other business areas. 3. Appraise the key issues in managing a brand portfolio and making strategic brand decisions. 4. Formulate and justify brand development decisions 5. Analyse and discuss contemporary brand related problems and develop appropriate strategies and initiatives.

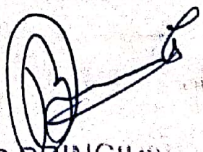


		86006	RETAIL MANAGEMENT	<ul style="list-style-type: none"> Familiarize students with details retail managements concepts & operations Aware of the various legal & ethical aspects of retail management Know the emerging trends in retail management
		86009	INTERNATIONAL MARKETING	<ul style="list-style-type: none"> Understand International Marketing, its Advantages and Challenges. Get an insight on the dynamics of International Marketing Environment. Understand the relevance of International Marketing Mix decisions and recent developments in Global Market Interpret implications of international marketing on services all over the world.
		86012	MEDIA PLANNING AND MANAGEMENT	<ul style="list-style-type: none"> Understand the different types of media used by modern day businesses Promotion being one of the pillars of marketing, choosing which media or type of advertising to use, especially for challenging firms with limited budgets & know-how Determine the best combination of media to achieve the marketing campaign objectives so that the ads are not lost in clutter & reach the right audience.
		UBMSFSVL5	PROJECT WORK	<ol style="list-style-type: none"> Select alternative projects management and project with the fundamental aspects among often competing initiation of various issues associated objectives using multiple Applies the PM processes to risk estimation in management as a separate initiate, plan, execute, project management area of management monitor and control, Budgeting, cost and overview of project . Assume responsibility as a functions and functioning of professional practitioner of Project Management To be aware of new PM principles and practices dimensions in project while maintaining high management standards of practice.



		UBMSSIV.6	PRODUCTION & TOTAL QUALITY MANAGEMENT	<ol style="list-style-type: none"> 1. To acquaint learners with Material management the basic management TQM in manufacturing 2. Basics of productivity decisions with respect to service-based organization for and TQM production and quality continuous quality 3. Quality improvement management improvement strategies. To identify key leaders in process 4. Apply the PDCA cycles certifications the field of quality and to various organization their contributions. 5. To describe evolution of techniques .Apply various quality TQM To describe quality improvement awards and quality certifications
SEMESTER-V				
2M00155	T. Y. BMS (CBCGSS)	46004	SERVICES MARKETING	<ul style="list-style-type: none"> • To Define and Examine service concepts used by service industries and by discussing the rationale for the application. • To provide the appropriate theories, models, and other tools to make better decisions in services. • To formulate effective service design for both consumer and business products/services. • To offer diverse learning opportunities to develop analytical and soft skills.
		46007	E-COMMERCE & DIGITAL MARKETING	<ul style="list-style-type: none"> • Understand the increasing significance of e-commerce and its application in various business sectors • Get an insight on digital marketing activities on various social media platforms and its emerging significance in business • Understand latest trends and practices in e-commerce and digital marketing
		46010	SALES & DISTRIBUTION MANAGEMENT	<ul style="list-style-type: none"> • Understand role and scope of sales management and distribution management in a company • Gain knowledge on market analysis and method of sales forecasting • Understand distribution channel management with its effective distribution strategy and channel designing • Understand ethics and trends in sales and distribution management




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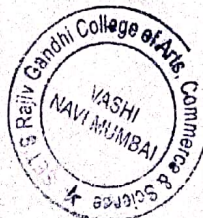
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PROGRAMME : BACHELOR OF COMMERCE (ACCOUNTING AND FINANCE)

Program code	Program Name	Course code	Course Name	Course Outcome
SEMESTER-1				
2C00451	F. Y. B.COM (A & F) (CBCGSS)	UA&FFSII.1	FINANCIAL ACCOUNTING-I	At the end of this course students should be able to: Solve practical problems regarding Inventory Valuation by FIFO and Weighted Average Method. Classify in considering features of various transactions and able to apply structure of Final Accounts in proper manner. Accounting of Departmental Stores. Understood application of Hire purchase transactions in real life as regular transaction in the society.
		UA&FFSI.2	COST ACCOUNTING-I	Students learn the basics of Cost Accounting , cost allocation, coding system and difference between cost and financial accounting. Students also learn 3 elements of cost in details Material cost, labour cost and overhead
		UA&FFSI.3	FINANCIAL MANAGEMENT-I	Students learn the basics of Financial Management , concepts of valuation, time value of money ,leverage and different types of financing also cost of capital
		UA&FFSI.4	BUSINESS COMMUNICATION -I	1. Foster good working relationships at their workplace 2. Identify and apply suitable modes of communication 3. Overcome barriers to effective communication
		UA&FFSI.5	FOUNDATION COURSE-I	At the end of this course students should be able to: Understood the demographic composition of India having regard to Language, Religion, and Gender etc. Understood stratified reasons as to differences and women problems. Understood the fundamental duties of Indian citizen specified in Indian Constitution. Understood hierarchy of local self-government and amendment to the same.




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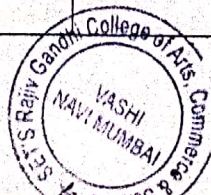
		UA&FFSI.6	COMMERCE-I	<p>At the end of this course students should be able to:</p> <p>Understand the concept of business environment and various tools of environmental analysis.</p> <p>Aware of business ethics.</p> <p>Aware of various consumer laws in India.</p> <p>Identify the factors of international business environment. Understand positive and negative impact of environment on business.</p> <p>Understand ethical issues in business, ethical dilemmas, procedure for registration under MSMED Act, 2006, and also the provisions related to consumer protection Act. Know CSR, Corporate Governance, and carbon credit and implementation of CSR activities by various companies. Know MNCs and TNCs. Implications of WTO and FDI for Indian Industries.</p>
		UA&FFSI.7	BUSINESS ECONOMICS	<p>At the end of this course students should be able to:</p> <p>Expose students of Commerce to basic Micro Economics Concepts and inculcate in analytical approach to the subject matter.</p> <p>Stimulate the students' interest by showing the relievable and use of various economic theories and functions.</p> <p>Apply economic reasoning to problems of business.</p>

SEMESTER-II

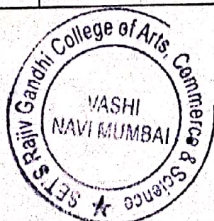
2C00452	F. Y. B.COM (A & F) (CHOICE BASED) (R-2018-19)	UA&FFSII.1	FINANCIAL ACCOUNTING-II	<p>At the end of this course students should be able to: Understand difference in between single entry system and double entry system and practically able to linking up, to prepare final accounts from incomplete record.</p> <p>Learn application of Branch Accounting for small branches by Debtor system and for big branches by stock and debtors system.</p> <p>Understand transactions between Principal/ Manufacture and agent, able to apply consignment accounting regarding these transactions.</p> <p>Know basic principles of insurance and able to calculate fire insurance claim regarding goods lost by fire</p>
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		UA&FFSII.2	AUDITING (Introduction & Planning)-I	At the end of this course students should be able to: Understand the concept of auditing, errors and frauds, principles of audit and types of audit. Plan audit program and, maintain working papers and audit note book. Understand techniques of auditing. Understand concept of internal audit.
		UA&FFSII.3	INNOVATIVE FINANCIAL SERVICES	At the end of this course students should be able to know the scenario of the financial service sector in India. The various services offered, the procedures, criteria, eligibility, need of availing such services. The students would also understand the issue management & securitization process, the background of the stock market operations. The Syllabus also provides a good understanding of Credit Rating Agencies & consumer finance.
		UA&FFSII.4	BUSINESS COMMUNICATION-II	At the end of this course students should be able to: Deal with nerves and think more positively about public speaking. Consider ways of grabbing the listener's attention, holding their interest, and concluding strongly. Use body language and tone of voice to enhance their presentations. Use slides and visual aids effectively. Students will develop knowledge, skills, and judgment around human communication through practicing business letters that facilitate their ability to work collaboratively with others.
		UA&FFSII.5	FOUNDATION COURSE-II	At the end of this course students should be able to: Understood the demographic composition of India having regard to Language, Religion, and Gender etc. Understood stratified reasons as to differences and women problems. Understood the fundamental duties of Indian citizen specified in Indian Constitution. Understood hierarchy of local self-government and amendment to the same.
		UA&FFSII.6	BUSINESS LAW-I	At the end of this course students should be able to: Understand legality behind of making contract. Understand legality behind of making contract of sale and agreement to sale. Understand legality behind of negotiable instruments of promissory notes, bills of exchange, cheque. Understand legality and rights of consumers.



		UA&FSSII.7	BUSINESS MATHEMATICS	<p>The Objective of the course to introduce Business mathematics to understand how the mathematics will simplify the problems related to Business and also solve the real life problem</p> <p>1) The students should know the usage of Ratio , proportion, percentage, profit and Loss 2) The Students have to develop and maintain problem solving skills and They can easily able solve problems like EMI, Simple interest, Compound interest etc.</p>
SEMESTER-III				
2C00453	S. Y. B.COM (A & F) (CBCGSS)	UA&FSSIII.1	FINANCIAL ACCOUNTING - III	<p>To learn structure of Final Accounts of Partnership Firms with Admission, Retirement, Death of partner.</p> <p>To learn actual implementation of dissolution of partnership firm with the technique of Piecemeal Distribution of Cash. To learn procedure of Amalgamation of partnership firm and conversion of partnership firm into joint stock company. To learn inter settlement of various transactions during the conversion of partnership firm into Joint Stock Co. To learn transactions and procedure of foreign currency translation in to Indian Rupees.</p>
		UA&FSSIII.2	COST ACCOUNTING - II	<p>Students learn Cost Sheet and various types of costing such as Contract costing, process costing, joint and bye products, reconconcialiaton between cost and finance profit.</p>
		UA&FSSIII.4	TAXATION - II	<p>At the end of this course students would have a firm grip on the legal as well as the practical aspects of the subjects.Develop knowledge of varios sections under Direct taxes.The students will be able to compute income from salary,deductions at various sources.Learn about capital gains,tax rates under partnership firm &Individual.The various methods & procedures of tax planning & ethics in taxation will also be learnt.</p>
		UA&FSSIII.6	INFORMATION TECHNOLOGY IN ACCOUNTANCY - I	<p>At the end of this course students should be able to: Learn different parts of hardware and different types of software Learn and execute different commands of Ms word, Ms Excel and Ms PowerPoint Learn Downloading information, creating e-mail ID and sending, receiving emails. Learn legal issues of internet, importance of electronic data interchange and e-commerce.</p>



		UA&FSSIII.7.1	FOUNDATION COURSE IN COMMERCE (FMO)-III	At the end of this course students should be able to: Get proper guidance about investment, difference about banking and non-banking financial services, and inflation. Understand knowledge regarding Sensex, IPO shares, methods of raising finance by company through various financial instruments. Understand classification of financial instruments, derivatives. Get helpful knowledge about consumer finance, plastic money, features of financial services, underwriter.
		UA&FSSIII.8	BUSINESS LAW - II	At the end of this course students would have a firm grip on the legal as well as the practical aspects of the subjects. Develop knowledge of various sections under Direct taxes. The students will be able to compute income from salary, deductions at various sources. Learn about capital gains, tax rates under partnership firm & Individual. The various methods & procedures of tax planning & ethics in taxation will also be learnt.
		UA&FSSIII.9	BUSINESS ECONOMICS	At the end of this course students should be able to: Understand the concept of Macroeconomics and various circular flows of income. Understand various concepts in money, prices and inflation. Aware of public finance in depth. Understand various sources of public revenue and expenditure. An appreciation of the ethical issues in economics competition.
SEMESTER-IV				
2C00454	S. Y. B.COM (A & F) (CBCGSS)	UA&FSSIV.1	FINANCIAL ACCOUNTING-IV	Student will get to know about company accounts, issue and redemption of shares and debentures and will also learn to find the profit prior to incorporation as well as foreign currency conversion.
		UA&FSSIV.2	MANAGEMENT ACCOUNTING	Students get the knowledge about management accounting and its importance, analysis of financial statements, ratios, trend analysis, comparative statements, working capital management and cash flow statements.



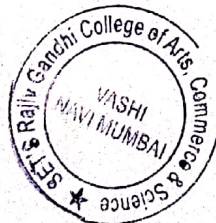
		UA&FSSIV.4	TAXATION-III(DIRECT TAXES-II)	At the end of this course students would have a firm grip on the legal as well as the practical aspects of the subjects. Develop knowledge of various sections under Direct taxes. The students will be able to compute income from salary, deductions at various sources. Learn about capital gains, tax rates under partnership firm & Individual. The various methods & procedures of tax planning & ethics in taxation will also be learnt. income from business and profession .
		UA&FSSIV.6	INFORMATION TECHNOLOGY IN ACCOUNTANCY-II	At the end of this course students should be able to: Learn need and importance of business process, business process management in IT, BPM life cycle Learn practical knowledge of Tally software Learn importance and applications of information system in management, role of computer in MIS Learn different IT auditing techniques
		UA&FSSIV.7.1	FOUNDATION COURSE IN MANAGEMENT-I V	At the end of this course students should be able to: Discuss and communicate the management evolution and how it will affect future managers. Observe and evaluate the influence of historical forces on the current practice of management. Identify and evaluate social responsibility and ethical issues involved in business situations and logically articulate own position on such issues. Explain how organizations adapt to an uncertain environment and identify techniques managers use to influence and control the internal environment. Practice the process of management's four functions: planning, organizing, leading, and controlling. Identify and properly use vocabularies within the field of management to articulate one's own position on a specific management issue and communicate effectively with varied audiences. Evaluate leadership styles to anticipate the consequences of each leadership style. Gather and analyse both qualitative and quantitative information to isolate issues and formulate best control methods



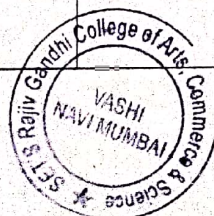
		UA&FSSIV.8	BUSINESS LAW-III	At the end of this course students should be able to: Students have understood various definitions that are required to learn provision of company Act 2013. Students have understood process of incorporation of company and its importance. Students have understood the ways to raise capital in primary market by public companies and private company. Students have understood types of prospectus and it's need to issue in different situation.
		UA&FSSIV.9	RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE	At the end of this course students should be able to: Learn about sources, types of data, recognition of sources of Datta collection. Learn about how to design the research and types of hypothesis. Getting knowledge about the types of data classification of data collection, how to process the data, and learnt about the how to calculate the mean, median, mode, Learn about the how to write report, interpretation and submission of data/ project.

SEMESTER-V

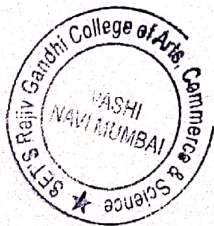
2000456	T. Y. B.COM (A & F) (CBCGSS)	44803	COST ACCOUNTING III	Students learn about integrated and non integrated records, uniform costing, work in progress (incomplete no of units) service costing and ABC costing
		44804	FINANCIAL MANGEMENT II	At the end of this course students should be able to: understand the concept of capital budgeting, recivable management, mutul fund and bond valuation and their practical implication in the real life. Understand the concept of net present value and how to calculate payback period of a projects
		44806	TAXATION IV(INDIRECT - TAXES II)	Students learn about the concept of Goods and service tax, types of taxes CGST SGST and IGST, TIme and place of supply, Registraton under GST

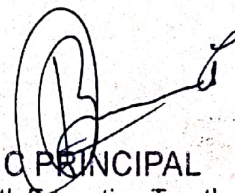


		44809	MANAGEMENT II(MANAGEMENT APPLICATIONS)	<p>At the end of this course students should be able to: Acquired analytical skills in solving marketing related problems and challenges and be familiar with the strategic marketing management process.</p> <p>Exposed to the development, evaluation, and implementation of marketing management in a variety of business environments.</p> <p>Understand the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes.</p> <p>Learn administer and contribute to the design and evaluation of the performance management program.</p> <p>Acquired skill to develop, implement, and evaluate employee orientation, training, and development programs.</p> <p>Perform analytical reviews of financial results, proposals, and plans.</p>
		44801	FINANCIAL ACCOUNTING V	<p>At the end of this course students should be able to: Calculate purchase consideration by various method of calculation and solving practical problem after considering procedure of amalgamation.</p> <p>Solve practical problems after considering adverse situation of the company and provisions regarding internal reconstruction.</p> <p>Prepare statement of underwriter's liability.</p> <p>Liquidate joint to stock company as per procedure.</p> <p>Apply all legal provisions regarding calculation of buyback.</p>
		44802	FINANCIAL ACCOUNTING -VI	Students learn about final statement of banking company, final statement of insurance co, NBFC, Valuation of shares and Goodwill,
SEMESTER-VI				
2000456	T. Y. B.COM (A & F) (CBCGSS)	85601	FINANCIAL ACCOUNTING VII	<p>At the end of this course students should be able to:</p> <p>Prepare Final Account for Electricity Company as per Double Account System</p> <p>Prepare final accounts of Co-Operative Housing Society & Consumer Co-Operative Society.</p> <p>Get the knowledge of IFRS its Purpose & Objective of financial statement, its Frame work, its assumption, characteristics, element, recognition & measurement. understand the mutual fund and AS-13.</p>
		85602	COST ACCOUNTING IV	Students learn about the Marginal Costing, Absorption costing, managerial Decision technique, standard costing and budgetary control technique



	85603	FIANANCIAL MANAGEMENT III	Students learn about business valuation. types of mergers, lease financing, hire purchase and working capital management
	85604	TAXATION V (INDIRECT TAXES III)	Students learn about the computation of GST, GSST Returns, Custom Duty introduction and proceduces rules of Duty drawback, baggages , and Foreign Trade policy
	85607	ECONOMICS PAPER III(INDIAN ECONOMY)	At the end of this course students should be able to: Understand the various aspects of Indian economy. Develop a perspective on the different problems and approaches to economic planning and development in India. Develop a perspective on the different problems and approaches to economic planning and development in India Understand the role of the Indian Economy in the global context, and how different factors have affected this process
	UA_FFSVI.8	PROJECT WORK II	Select alternative projects management and project with the fundamental aspects among often competing initiation of various issues associated objectives using multiple 2. Applies the PM processes to risk estimation in management as a separate initiate, plan, execute, project management area of managemnt monitor and control, 3. Budgeting, cost and overview of project . 4. Assume responsibility as a functions and functioning of professional practitioner of Project Management 5. To be aware of new PM principles and practices dimensions in project while maintaining high managemnt standards of practice.





I / C PRINCIPAL

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