

Shri Sairaj Shikshan Pratishthan's

Reg. No. ID No. PU/NS/CS/139/2009 Vishwalata Arts, Commerce

& Science College

AISHE ID : C- 41471 College Code : 892

BHATGAON, Tal. Yeola, 423401 Dist. Nasik

Mob. 9545126722

* Affiliated to Savitribal Phule Pune University. * NAAC Accredited C Grade (1st Cycle 2022) * ISO 9001:2015

Ref. No.

Date:

2.6.1 Programe Outcomes, Program Specific Outcomes and Course Outcomes For all program offered by the institution are stated and displayed on website and communicated to teachers and students.

Sr.No.	Programe Namre	Program Code
1	B.COM	12013
2	B.B.A.(I.B.)	10316
3	B.B.A.	10113
4	B.B.A.(C.A.)	10216
5	B.SC (C.S.)	11013
6	B.SC (Plain)	11713
7	M.COM	25013
8	M.SC (C.S.)	21613

Viehwalata Arts Commerce & Science College Bhatgaon, Tal Youla, Dist. Nashik.

Sr. Vo.	Course	Course outcomes
1	FYBCom: Financial Accounting.	imparted the knowledge of various accounting concepts 2. instilled the knowledge about accounting procedures, methods and techniques 3. acquainted them with practical approach to accounts writing by usin software package.
	FYBCom: Business Economics (Micro)	exposed Students of Commerce to basic micro economic concepts and inculcate an analytical approach to the subject matter. 2. Stimulated the student interest by showing the relevance and use of various economic theories. 3. Applied economic reasoning to problems of business.
	FYBCom: Business Mathematics and Statistics	1. prepared for competitive examinations 2. Understood the concept of Simple interest, compound interest and the concept of EMI. 3. Understood the concept of shares and to calculate Dividend 4. Understood the concept of population and sample. 5. useed frequency distribution to make decision. 6. To understand and to calculate various types of averages and variations. 7. Understood the concept and application of profit and loss in business. 8. Solved LPP to maximize the profit and to minimize the cost. 9. Used correlation and regression analysis to estimate the relationship between two variables. 10. Understood the concept and techniques of different types of index numbers.
E	FYBCom: Banking and Finance Fundamentals	1. the students acquainted with the fundamentals of banking, 2. developed the capability of students for knowing banking concepts and operations. 3. students are aware of banking business and practices. 4. Gets thorough knowledge of banking operations. 5. enlightened with

	of Banking	the new concepts introduced in the banking system.
	FYBCom: Marketing and Salesmanship [Fundamentals of Marketing]	1) General Objective of the Paper. a) created awareness about market and marketing. b) established link between commerce/Business and marketing. 2) Core Objectives of the paper. a) understood the basic concept of marketing. b) To understand marketing philosophy and generating ideas for marketing research. c) knows the relevance of marketing in modern competitive world. d) developed an analytical ability to plan for various marketing strategy.
2	SYBCom: Business Communication.	understands the concept, process and importance of communication Developed awareness regarding new trends in business communication. Got knowledge of various media of communication. Developed business communication skills through the application an exercises.
	SYBCom: Corporate Accounting	Developed awareness about Corporate Accounting in conformity with the provisions of Companies Act and Accounting as per Indian Accounting Standards. 1. Made aware the students about the conceptual aspect of corporate accounting 2. To enable the students to develop skills for Computerized Accounting
	SYBCom: Business Economics (Macro)	the students are familiarized with the basic concept of Macro Economics and application. 2. Understands the behavior of the economy as a whole. 3. Understands the relationship among broad aggregates. 4. Applies economic reasoning to problems of the economy.
	SYBCom: Business Management	Provided basic knowledge & understanding about business management concept. 2. Provided an understanding about various functions of management.

SYBCom: Elements of Company Law	1) Imparted students with the knowledge of fundamentals of Company Law. 2) Updates the knowledge of provisions of the Companies Act of 2013. 3) Apprises new concepts involving in company law regime. 4) Acquainted the students with the duties and responsibilities of Key Managerial Personnel. 5) understands the provisions and procedures under company law.
SYBCom : Business Administration	Understands basic knowledge about various forms of business organizations 2. Gets acquainted the students about business environment and its implications thereon. 3. Students aware with the recent trends in business
SYBCom : Cost and Works Accounting	Understands 1. Basic Cost concepts. 2. Elements of cost. 3. Ascertainment of Material and Labour Cost.
TYBCom: Business Regulatory Framework (Mercantile Law)	Gets acquainted with the basic concepts, terms & provisions of Mercantile and Business Laws. 2. Develops the awareness among the students regarding these laws affecting business, trade and commerce.
TYBCom: Advanced Accounting.	Gets knowledge of various accounting concepts To instill the knowledge about accounting procedures, methods and techniques. acquainted with practical approach to accounts writing by using software package. T
	SYBCom: Business Administration SYBCom: Cost and Works Accounting TYBCom: Business Regulatory Framework (Mercantile Law) TYBCom: Advanced

TYBCom : Indian & Global Economic Development	1) exposed to a new approach to the study of the Indian Economy. 2) Analyzes the present status of the Indian Economy. 3) understands the process of integration of the Indian Economy with other economics of the world. 4) acquainted with the emerging issues in policies of India's foreign trade.
TYBCom: Auditing & Taxation	1. acquainted about the concept and principles of Auditing, Audit process, Assurance Standards, Tax Audit, and Audit of computerized Systems. 2. gets knowledge about preparation of Audit report. 3. understands the basic concepts and acquires knowledge about Computation of Income, Submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act, 1961.
TYBCom: Business Administration II TYBCom: Cost and Works	Acquainted with basic concepts & functions of HRD and nature of Marketing functions of a business enterprise. 1. Gets Knowledge about the concepts and principles Application of Overheads 2. Anderstands various methods of costing and their
Accounting II TYBCom: Business Administration III	applications Knows the basic concepts in finance and production functions of a business enterprise.
TYBCom : Cost and Works Accounting III	1 Aware of costing techniques. 2 trains as regards concepts, procedures and legal Provisions of cost audit.



Vishwalata Arts Commerce & Science College Bhatgaor Tal Yeola Dist-Nashik

Sr.No	Class	Course	Course Outcomes (Cos)
1	FYBBA-	101- Indian Business	This course enables students to
	IB	Environment	To develop knowledge base of environmental
	1		factors affecting business.
		2 2	2) To make students aware to environmental
			problems related to business and commerce.
			3) To inculcate values of Environmental ethics
		æ	amongst the students.
		102-Communication	To understand the concept, process and importance
		Skills & Personality	of Communication.
		OKINS CO I OLOGICALITY	To gain knowledge of media of communication.
			3) To develop skills of effective communication -
			both written and oral.
			4) To help students to acquaint with application of
			communication skills in the world of business.
			5) To understand the concept of personality and
			personality development and its significance.
			6) To understand and develop various traits required
			for personality development.
		103- Micro	1) To expose basic microeconomic concepts to
		Economic Analysis	students of international business.
		Leonomic 7 mary 515	2) To provide a method/ approach to help draw
			correct conclusions/ solve economic problems.
			3) To understand, explain and quantify the
			mechanism by which the total amount of resources
			possessed by society is allocated among alternative
			uses.
		104- Business	1) To Impart the Knowledge of Basic concepts,
		Accounting.	2) To provide basic knowledge of important books of
			Accounting, preparation of various financial
			statements.
			3) Level of Knowledge: Basic understanding of the
			subject.
		105- Principles &	1) To provide a basis of understanding to the students
		Practice of	with reference to working of business organization
		Management	through the process of management.
			2) On completion of the syllabi, the student will
			understand the basic principles of management -will
			acquaint himself with management process, functions
			and principles.
			3) Students will also get the idea about new
			developments in management
		106- Business	To understand the concepts of ratio, proportion
		Mathematics.	and percentage.
			To understand the concept and application of
			2) 10 understand the concept and application of

			profit and loss in business.
			3) To use the concept of EMI.
			4) To understand the concept of stock exchange and to calculate Dividend.
			5) To understand applications of matrices in business.
			6) To understand useful functions in business and economics.
		201- Cost Accounting	1) To Impart the Knowledge of Basic cost concepts element of cost & Preparation of Cost Sheet.
			 To provide basic knowledge of important Methods & Techniques of costing.
			 Level of Knowledge: Basic understanding of the subject.
		202- Elements of	1) To understand the roles of HR Manager.
		Human Resource Management	2) To understand recruitment and selection procedure
			To understand training and development.
			4) To aware students about various cases/ problems of business world how to tackle.
		203- Macro	1) To study the behavior of the economy as a whole.
		Economic Analysis	2) To study relationships among broad aggregates
			3) To apply economic reasoning to macroeconomic policy.
		204- Principles of Marketing	To study & critically analyze the basic concepts in marketing & to cater the needs of marketing industries
		205- Business Statistics.	sample.
		THE PARTY OF THE P	2) To use frequency distribution to make decision.
			averages and variation.
			4) To use regression analysis to estimate the relationship between two variables.
		206- IT in Business	minimize the cost.
		Operations Operations	To Know the Fundamentals of Computers To window the Line
3	SYBBA-	301- International	in Business.
	IB Semester-	Business Environment	To make the students aware about globalization and environmental consequences.
	III	a state of	friendly environment
		302- Production &	3) To gain knowledge about global warming an environmental ethics.
		- Todaction &	1) To impart knowledge regarding the process o

		Operations Management	production.
		303- International Economics	 To provide a comprehensive understanding of the concepts of international economics. To develop theoretical tools to understand current international issues and their impacts on
		304- International Marketing	business 1) To familiarize the student to understand the international environment and policies 2) To enable the students to acquire necessary skills
		305- Foreign Language Paper I.: French.	to deal in international market 1) Students should get acquainted with the basic sentence patterns of French language so that they can communicate in French if required.
			 The students should be able to read, write, understand and speak French with limited vocabulary.
		305- Foreign Language Paper I.: German	 Students should get acquainted with the basic sentence patterns of German language so that they can communicate in German if required.
			 The students should be able to read, write, understand and speak German with limited vocabulary.
4	O. I.D. D.	306- Management Accounting.	To impart basic knowledge of Management Accounting.
4	SYBBA- IB	401- FOREIGN EXCHANGE	To provide a comprehensive understanding of the concepts of foreign exchange rates.
	Semester- IV	OPERATIONS	and other institutions connected with foreign exchange.
		402- International Business in Services Sector	 The main objective of the course is to highlight the distinctive features, operations of the services in the context of international business.
			 To give and understanding as to analyze the opportunities involved in trade in services at the international level.
		403- INTERNATIONAL AGRICULTURAL	1) To make the students aware of the national and international agricultural scenario
		BUSINESS	To develop an awareness among students about exim policy and agri marketing.
		404- Business Taxation	under the Income Tax Act, 1961 & basic clarifications regarding Indirect Taxation
			2) To Acquire knowledge about Computation of Income under different heads of Income of Income Tax Act, 1961.

		405-Foreign Language Paper II	 To Acquire Knowledge about the submission of Income Tax Return, Advance Tax, Tax deducted at Source, Tax Collection Authorities. To make students Competent enough to take up to employment as Tax planner. Students should get acquainted with the basic
		Language Paper II	sentence patterns of French language so that they could communicate in German if required. 2) The students should be able at the end of course to read, write, understand and speak French with limited vocabulary. 3) To give basic relating French as a commercial language.
			4) To create awareness of prospects of learning French for International Trade.
		405-Foreign Language Paper II	 Students should get acquainted with the basic sentence patterns of German language so that they could communicate in German if required. The students should be able at the end of course to read, write, understand and speak German with limited vocabulary.
		406-Business Exposure	To introduce to the students to the general nature and structure of international business.
			2) To enhance the awareness of the students towards study and use of Trade and Industry directories, business websites and published data and information relating to Indent House, International Business Transactions, Foreign Exchange Department of the Bank, Foreign trade Brokers, Agents, Agri business etc.
5	TYBBA- IB	501- Business Ethics	To impart knowledge of Business Ethics to the Students.
	Semester-	500 D ' I	2) To impart knowledge of various Business Ethics practices.
		502- Business Law.	1) To gain Understanding of basic legal terms and concepts used in law pertaining to management of Business.
			2) To comprehend applicability of legal principles to situations in business by referring to few decided leading cases.
			3) To bestow confidence in students to deal with situations involving legal issues in commercial Transactions.
		503- International Relations	1) To know and understand foreign affairs & global issues with international business system.

			2) To help students understand the background for conducting international trade in the constantly changing global market.
		504- International Banking & Finance	1) To acquaint students with Global Banking Practices & various methods for financing International trade.
		505- Business Reporting & Analysis.	1) To develop among students abilities to analyze & interpret various Economic Factors that affect Business decision making. Similarly to understand reporting pattern followed in corporate sector as a part of MIS
6	TYPE	506- E- Commerce Technology	1) To develop students to use of technology for doing business in domestic and international market.
· ·	TYBBA- IB	601- Import Export Procedure.	business setups.
		C4 1 1 1 1	2) To understand various essential for doing import export business.
		602- International Business Law.	1) To create awareness amongst students about international laws.
			2) To understand International Institutions, their functions & Role in International Economic Law, International Trade.
		603- Study of Global Economics	1) To understand the functions of IMF & World Bank.
			2) To understand the position of India in global market.
		604- International Project Management	To understand students about the importance of project management To make students to be a student of the importance of the impor
		60.5	projects and students to be able to handle big
		605- Supply Chain & Logistics Management	To make students able to tackle business situations through various requisites of SC&LM.
		606- Research Methodology &	1) To create interest amongst students for genuine research work.
		Project	2) To improve creativity, thinking ability, innovation and learning habit for overall development.



Sr.No	Class	Course	of Business Administration-
1	FYBBA-	Comoc	Course Outcomes (Cos)
	, i BBAc	SEM I - 101- Business organisation system	Understand the basic concepts in commerce trade and industry. He will be exposed to modern business world.
			2) Understand modern business practices, forms procedures and functioning of various business organizations.
			1) To understand the concept, process and importance of communication.
		102-Communication Skills	2) To gain knowledge of media o
		See Communication Skills	both written and oral
			4) To help students to acquaint with application o communication skills in the business world.
		102 Paris	To management the knowledge of various acounting concept
		103- Business Accounting.	2) To install the knowledge about accounting procedures method and techniques
			3) To enable the student to develop skill for computerised acounting
		104- Business Economics	To expose students to basic micro economic concepts.
		(micro)	2) To apply economic analysis in the formulation of business policies.
			3). To use economic reasoning to problems of business.
	-	105- Business mathematics	4) To use economic reasoning to problems of business.
		Dusiness mathematics	1) To understand the concepts of ratio, proportion and percentage.
			2) To understand the concept and application of profit and loss in business.
		106 Pusing	3.To use the concept of EMI.(Equated Monthly Installment)
		106- Business demography & environmental studies	4. To understand the concept of stock exchange and to calculate Dividend,

	To develop knowledge base for demographic and environmental factors affecting Business.
	2) To make the students aware of environmenta problems related to Business and Commerce.
	3) To make the students aware of environmental problems related to Business and Commerce.
	1) To provide a basis of understanding to the students with reference to working of business organization through the process of management.
SEM II 201- principles of management	2) To understand the basic managenment function
202- Principles of marketing	To study & critically analyze the basic concepts in marketing & to cater the needs of marketing industries. To understand the concept of population and appears.
	sample. 3) To use frequency distribution to make decision. 1) To providing understanding of nature,
	importance, structure of finance related areas and to impart knowledge regarding source of finance for a business.
203- Principes of finance	2) To understand basic concept of finance
	1) To impact the knowledge of basic cost concept, element of cost
204.1.1.2	techniques
204- basic of cost accounting	 To provide knowledge about the concept and principles of application of overheads.
205- Business Statistics.	1) To understand the concept of population and sample.
	2) To use frequency distribution to make decision.
	averages and variation.
200 P. I	4) To use regression analysis to estimate the relationship between two variables
206- Business Informatics	1) 1) To Know the Fundamentals of Computer
	2)To Understand how to use Computer applications in day to Day Applications.

3	SYBBA- Semester- III	SSEM III -301- Personality development	1) To make the students aware about the dimensions and importance of effective personality
			2) To make the students aware about the various dynamics of personality development
		4	3) To make the students aware about the various dynamics of personality development.
		302- Business ethics	1)To impart knowledge of Business Ethics to the students.
		303- Human resource management & organisation behaviour	To promote Ethical Practices in the Business To introduce to the students the functional department of human resource management and acquaint them with planning, its
		304- management	different functions in an organisation.
		accounting	2) To introduce the human resource processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organisation
		205 D :	1) To impart basic knowledge of Management Accounting.
		305- Business economics (micro)	2) To know the implications of various financial ratios in decision making
		IT in manage	1) To study the behavior of working of the economy as a whole.
		IT in management	2) To develop an analytical framework to understand the inter-linkages among the crucial macroeconomic variables.
			To understand the role of IT in Management To understand the basics of operating systems.
4	CVDDA	OFD CW.	ousies of operating systems.
4	SYBBA- Semester- IV	SEM IV 401-Production and operation management	1) To provide goods and services at the right time, at the right place at the right manufacturing cost of the right quality.
			To identify the role of operation function. To understand the external and internal effects of five operation performance objectives
			To impart the students with the knowledge about complexities between labour and management relationship

	402- Industrial relation and labour law	 2) To make the students aware about mechanisms of Industrial Dispute and friendly interventions to deal with employee-employer problems. 3) To impart the students with the knowledge of laws & how law affects the industry & labour.
		1) To understand the basic concepts and definitions under the Income Tax Act, 1961
	403- Business Taxation	2) To update the students with latest development in the subject of taxation
		3) To develop ability to calculate taxable income of firms, co-operative societies and charitable trust
	=	1) To acquaint the students with emerging issues in international business.
	404- International relation & labour laws	2) To study the impact of international business environment on foreign market operation.
		3) To understand the importance of foreign trade for Indian economy.
	405- management information system	1) To understand the concepts of Information System
	106 P	2) To study the concepts of system analysis and design
	406-Business Exposure	3) To understand the issues in MIS 1) To develop the understanding of the student with a realistic and practical perception of the industry its layout, procedures, processes, organization structure. 2) 2. The objective of the Industrial Visit is to help
		students gain firsthand information regardingthe functioning of the Industry which presents the students with opportunities to plan, organize and engage in active learning experiences both inside and outside the classroom 1)
TY BBA Sem v	SEM V 501- Supply Chain & Logistics	1) To introduce the fundamental concepts in Materials and Logistics Management.
	Management	2) To familiarize with the issues in core functions in materials and logistic mangement.
	502- Intrepreneurhip development	To Create entrepreneurial awareness among the students

	2) To Help students to develop their entrepreneurial competence.
	3) To Help students to up bring out their own business plan.
503- Business ethics	1) To import Knowledge of Business Ethics to the Student.
	2) To impart Knowledge of various Busines Ethics practices
504- Research methodology	3) To the student modern Business Ethics and their give and understanding residing applications in different context.
	1) To expose students to the areas of commercia and business research activities.
505 A - special paper- I Analysis of financial statement	To study various financial statements of corporate organisations.
506 A SPL. Paper II long	2) To make the student well acquainted with current financial practices.
term finance	To make the study of long term financing. To make the student well acquainted regarding current financial structure.
	To identify and understand the significance of distribution and retailing in the current business environment
506 A SPL II Retail mangement	2) To identify the decision areas in distribution and retailing and appreciate the interrelationships with other aspects of marketing.
SEM VI. 601 P.	3) To identify the paradigm shifts in retailing business with increasing scope of technology / e-business.
SEM VI- 601- Business planning and project management.	1) To acquaint the students with the planning process in business and familiarise them with the function & techniques of project management.
602- Event mangement	To acquaint the students with concept issues and various aspects of event management.
603- Management control sytem	To understand basic concept of event To introduce to the student of the
604- E- commerece	management control, its nature functional areas, and techniques. 1) To know the concept of electronic commerce

	2) To Know what is Internet and Extranet
	3) To know Internet marketing techniques
605 A Financial services	1) To make the study of various financial services in India.
	2) To make the student well acquainted regarding financial market.
605 -B Advertising & sales pramotion.	1) To understand basic concept of sales pramotion
	2) Introduce various channels of distribution
	605 -B Advertising & sales



Vishwalata Arts Commerce & Science College Bhatraon Tal. Yeola Distance

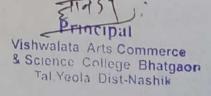
Class	Course	
FYBBA- CA	101-Modern Operating Environment & MS-Office	
		 To develop knowledge and understanding of Computer environment.
		To make students aware to compute software and application.
	102-Financial Accounting	To inculcate values of Environmental ethics amongst the students.
	The state of the s	concepts of accounting
4		To gain basic accounting knowledge
	distribution of	10 gain knowledge about recording of transactions and preparation of final account.
	103-Programming	To acquanint the student about accounting software packages.
	103-Programming principles & Algorithms	To expose basic mathematics concepts. To develop Analytical / Thinking and problem solving analytical /
	104-Business Communication	
	e continuent of	reading, writing, presentation skills are used together to enhance the student ability to communicate and write effectively. 2) To create awarness are said to the student ability to communicate and write effectively.
		and media of Communication
-	105-Principles of Management	To make student familiar with information technology and improve job seeking skills.
	School	1) To gain knowledge about working of business organisation
		To acquire knowledge of management process functions and principles.
-	106 Labour	3) Students will also get the idea about recent trends in management.
j	106-Laboratory Course-I(Based on Paper No.101&102)	Practical knowledge of MS-Word, Excel, Powerpoint etc.
		2) To gain knowledge of programming algorithm and run algorithm
2	201- Procedure Oriented	method.
P	Programming Using C	1) To impart the Knowledge of Basic concepts of C-Programming language .
		2) To provide basic knowledge of implementing programming language.

		3) To gain knowledge of logic of
	202- Data Base Management System	The state of the s
	, , , , , , , , , , , , , , , , , , , ,	The state of the s
		Management system. 2) To understand database Management system.
		udialiase Wanagam
		System.
		3) To understand and use of DBMS.
	The second of the second	4) To aware students about various S(
	203- Organizational Behavior	quary.
		1) To gain knowledge about working organisation.
	and the second s	2) To understand knowledge about stress.
	204- Computer Appli	3) To gain knowledge of personality.
	204- Computer Application in Statistics	1) To gain the power of excel spreadsheet i computing summary statistics.
		 To understand the concept of various measure of central tendancy and their importance in business
	205- E-Commerce Concepts	 To gain knowledge of probality, Probality distributions.
	200 D'Commerce Concepts	To gain knowledge of electronics commerce.
		2) To understand internet and Extranet.
		3) To understand technology soluton.
		4) To gain knowledge of E-Com Security.
	206-Laboratory Course-II(Based on	1) To gain the C-Programming program
	Paper No.201&202)	logic.
		2) To gain knowledge of DBMS & SQL language.
SYBBA- CA Semester-	301- Relational Database Management System	1) To make the students aware about relational database concepts and transaction
III		management concepts in database System.
***		2) To gain knowledge about PL/SQL program, Function ,Procedure,package,Cursor and trigger.
	302- Data Structure Using C	To understand the knowledge of different method of orgnising large amount of data.
		2) To develop and implement different data structure.
		3) To efficient knowledge solution for different problems.
	303- Introduction to Operating System	1) To gain knowledge of System programming.
		2) To know services and scheduling concepts provided by operating system.

	304- Business Mathematics	To gain knowledge o profit, loss, Interest, matrices and determinants.	
		2) To enable the students to acquire necessary skills of L.P.P and T.P.	
	305- Software Engineering	To gain knowledge of system concepts and its application in software development.	
	306-Laboratory Course-III(Based on Paper No.301&302)	To gain knowledge of data structure using clangauge.	
SYBBA-		2) To understaind practical knowledge of relational entities.	
CA Semester- IV	of Solis Camp CFF	To gain knowledge of basic object orientented concepts and issues involved in effective class design.	
		2) To gain knowledge of writing object oriented programming language program use information hiding, Constructors, Destructors, inheritance.	
	402- Programming in visual Basic	1) To gain knowledge of connectivity between VB and database.	
		2) To acquire knowledge of active control and how to design VB application.	
	403- Computer Networking	1) To gain knowledge of different topologies used in networking.	
		2) To acquire knowledge of different types of network.	
	404 Feb. : P	3) To gain knowledge of connecting device used in network.	
	404- Enterprise Resource Planning	1) To gain knowledge of ERP	
	405 Human D	2) To gain knowledge of different ERP technologies.	
	405-Human Resource Management.	1) To gain knowledge to student with Human resource management its different function in an organization and human resource processes that are concerned with planning, motivating and developing suitable employees for the	
	406-Laboratory Course-IV(Based on Paper No.401&402)	To gain knowledge of CPP langauge. 2) To gain knowledge of different progress of	
CA	501-Java Programming	VB. 1) To understand basic concept of Java programming.	
emester- V	502- Web Technologies	To develop java programming application. To gain knowledge of internet	

		2) To gain knowledge to develop web based application using PHP.
	503- Dot net Programming	1) To gain knowledge of visual programming and event driven programming practically.
		2) To gain applications development skill to student.
	504- Object Oriented Software Engg.	1) To gain knowledge of system design using UML.
		2) To acquire knowledge of system development through object oriented techniques.
	505- Software Project-I (Based on C++/VB Technology)	To gain knowledge to student for develping project on real world application.
	506-Laboratory Course-V(Based on Paper No.501 & 502)	To gain knowledge of Java langauge. To gain knowledge of different program of
TYBBA- CA Semester-	601-Advanced Web Technologies	To gain knowledge of internet programming.
VI	602- Advanced Java	2) To understand concept of XML and AJAX.1) To gain knowledge of day to day applications.
	603- Recent Trends in IT	To gain programming logic. To gain knowledge of upcoming trends in information technology.
	604- Software Testing	To understand concept Eco friendly software development. To gain knowledge of software testing.
	605- Software Project-II (Java / Dot Net Technology)	1) To gain knowledge to student for 1
	606-Laboratory Course-VI(Based on Paper No-601 & 602)	To gain knowledge of advance programming language
		2) To gain knowledge of different program of XML and AJAX.





Bachelor of Business Administration - International Business.

Programmes offered

SN	Program	Program outcomes (POs)	Program Specific Outcomes (PSO)
1	BBA-IB	PO1. CRITICALTHINKING	PSO1
		The curriculum is designed such way that students should acquire and ability to observe accurately and objectively. They should be able to solve the problems and also think scientifically, independently and draw rational conclusions.	With the Industrial Liberalization and Globalization of trade and emphasis on Global markets, there is a great scope for employment as well as self employment in international business dealing with variety of innovative products and services.
		PO2.EFFECTIVE COMMUNICATION	
		The medium of	POS 2
		instructions for this program is English. English being the language of world students become habitual to communicate in	There is great scope also exists in International Logistics, Supply- Chain Management, Storage, Transportation and Distribution.
		English.	
		PO3 SOCIAL INTERACTIONS	
		In this program	PSO3
		students are made aware of social related issues. They are made aware of optimal use of resources.	To make the students self employed by using theoretical knowledge to start their own venture.
		P04 EFFECTIVE CITIZENSHIP	
		This program helps	PSO4
		students for uses effective decision- making and problem- solving skills in public and private life.	To make the students able to handle Import and Export work in various export firms.

		to collaborate effectively as a member of a group, also actively participates in civic and community life PO5 ETHICS In this program students are made alert regarding business ethics, values and principles which are required for the growth of nation. PO6 ENVIRNMENT AND SUSTAINABILITY Being Business Administration-IB students they become well conversant with various business requisites for environment protection and sustainability of the business. PO7 SELF DIRECTED AND LIFE LONG LEARNING Program curriculum inculcates the curiosity	
		Program curriculum	
Course	s offered – U		of Business Administration-IB
Sr.No	Class	Course	Course Outcomes (Cos)
1	FYBBA-	101- Indian Business	This course enables students to
	IB	Environment	To develop knowledge base of environmental factors affecting business. To make students aware to environmental problems related to business and commerce.
			Samoto.

102-Communication	amongst the students.
Skills & Personality	1) To understand the concept, process and
Skills & I cisolianty	importance of Communication. 2) To gain knowledge of media or
	communication.
	3) To develop skills of effective communication both written and oral.
	4) To help students to acquaint with application of communication skills in the world of business.
	5) To understand the concept of personality and personality development and its significance.
	6) To understand and develop various traits
102 Minn D	required for personality development.
103- Micro Economic	1) To expose basic microeconomic concepts to
Analysis	students of international business.
	2) To provide a method/ approach to help draw
	correct conclusions/ solve economic problems.
	3) To understand, explain and quantify the mechanism by which the total amount of resources
	possessed by society is allocated among alternative
	uses.
104- Business	To Impart the Knowledge of Basic concepts,
Accounting.	2) To provide basic knowledge of important
	books of Accounting, preparation of various financial statements.
	3) Level of Knowledge: Basic understanding of the subject.
105- Principles &	1) To provide a basis of understanding to the
Practice of	students with reference to working of business
Management	organization through the process of management.
	2) On completion of the syllabi, the student will
	understand the basic principles of management -
	will acquaint himself with management process.
	functions and principles.
	3) Students will also get the idea about new
	developments in management
106- Business	1) To understand the concepts of ratio
Mathematics.	proportion and percentage.
	2) To understand the concept and application of profit and loss in business.
	3) To use the concept of EMI.
	4) To understand the concent of stock and
	4) To understand the concept of stock exchange and to calculate Dividend.

			business.
			6) To understand useful functions in business and economics.
		201- Cost Accounting	1) To Impart the Knowledge of Basic cost concepts, element of cost & Preparation of Cost Sheet.
			2) To provide basic knowledge of important Methods & Techniques of costing.3) Level of Knowledge: Basic understanding of
		202- Elements of	the subject.
		Human Resource	To understand the roles of HR Manager. To understand recruitment and selection
		Management	procedure
			To understand training and development. To aware students about various cases/
		203- Macro Economic Analysis	problems of business world how to tackle. 1) To study the behavior of the economy as a whole.
		Analysis	2) To study relationships among broad aggregates.
			3) To apply economic reasoning to macroeconomic policy.
		204- Principles of Marketing	1) To study & critically analyze the basic concepts in marketing & to cater the needs of marketing industries
		205- Business Statistics.	1) To understand the concept of population and sample.
100			2) To use frequency distribution to make decision.
LE VI			3) To understand and to calculate various types of averages and variation.
			4) To use regression analysis to estimate the relationship between two variables.
			5) To solve LPP to maximize the profit and to minimize the cost.
		206- IT in Business	1) To Know the Fundamentals of Computers
		Operations	2) To understand how to use Computer applications in Business.
3	SYBBA- IB	301- International Business Environment	1) To make the students aware about globalization and environmental consequences.
	Semester- III		2) To create awareness about dimensions of eco- friendly environment.
			3) To gain knowledge about global warming and environmental ethics.
		302- Production & Operations	To impart knowledge regarding the process of production.
		- Political Poli	

1		Management		
		303- International Economics	1) To provide a comprehensive understanding of the concepts of international economics.	
			2) To develop theoretical tools to understand current international issues and their impacts on business	
		304- International Marketing	 To familiarize the student to understand the international environment and policies To enable the students to acquire necessary skills to deal in international market 	
		305- Foreign Language Paper I.: French.	1) Students should get acquainted with the basic sentence patterns of French language so that they can communicate in French if required.	
			2) The students should be able to read, write, understand and speak French with limited vocabulary.	
		305- Foreign Language Paper I.: German	 Students should get acquainted with the basic sentence patterns of German language so that they can communicate in German if required. The students should be able to read, write, 	
			understand and speak German with limited vocabulary.	
		306- Management Accounting.	1) To impart basic knowledge of Management Accounting.	
4	SYBBA- IB	401- FOREIGN EXCHANGE	1) To provide a comprehensive understanding of the concepts of foreign exchange rates.	
	Semester- IV	OPERATIONS	To provide practical procedural aspects of banks and other institutions connected with foreign exchange.	
		402- International Business in Services Sector	1) The main objective of the course is to highlight the distinctive features, operations of the services in the context of international business.	
			2) To give and understanding as to analyze the opportunities involved in trade in services at the international level.	
		403- INTERNATIONAL AGRICULTURAL BUSINESS	 To make the students aware of the national and international agricultural scenario. To develop an awareness among students about exim policy and agri marketing. 	
		404- Business Taxation	1) To understand the basic concepts and definitions under the Income Tax Act,1961 & basic clarifications regarding Indirect Taxation	
			2) To Acquire knowledge about Computation of Income under different heads of Income of Income Tax Act,1961.	

		405-Foreign Language Paper II 405-Foreign Language Paper II	of Income Tax Return, Advance Tax, Tax deducted at Source, Tax Collection Authorities. 4) To make students Competent enough to take up to employment as Tax planner. 1) Students should get acquainted with the basic sentence patterns of French language so that they could communicate in German if required. 2) The students should be able at the end of course to read, write, understand and speak French with limited vocabulary. 3) To give basic relating French as a commercial language. 4) To create awareness of prospects of learning French for International Trade. 1) Students should get acquainted with the basic sentence patterns of German language so that they
			could communicate in German if required. 2) The students should be able at the end of course to read, write, understand and speak German with limited vocabulary.
		406-Business Exposure	To introduce to the students to the general nature and structure of international business. To enhance the awareness of the students towards study and use of Trade and Industry directories, business websites and published data and information relating to Indent House, International Business Transactions, Foreign Exchange Department of the Bank, Foreign trade Brokers, Agents, Agri business etc.
5	TYBBA- IB Semester-	501- Business Ethics	To impart knowledge of Business Ethics to the Students. To impart knowledge of various Business Ethics practices.
		502- Business Law.	 To gain Understanding of basic legal terms and concepts used in law pertaining to management of Business. To comprehend applicability of legal principles to situations in business by referring to few decided leading cases. To bestow confidence in students to deal with situations involving legal issues in commercial Transactions.
		503- International	1) To know and understand foreign affairs &
		Relations	global issues with international business system.

		504- International Banking & Finance	 To help students understand the background for conducting international trade in the constantly changing global market. To acquaint students with Global Banking Practices & various methods for financing International trade.
		505- Business Reporting & Analysis.	1) To develop among students abilities to analyze & interpret various Economic Factors that affect Business decision making. Similarly to understand reporting pattern followed in corporate sector as a part of MIS
		506- E- Commerce Technology	1) To develop students to use of technology for doing business in domestic and international
6	TYBBA- IB	601- Import Export Procedure.	To develop students for starting their own business setups. To understand various essential for doing import export business.
		602- International Business Law.	 To create awareness amongst students about international laws. To understand International Institutions, their functions & Role in International Economic Law, International Trade.
		603- Study of Global Economics	To understand the functions of IMF & World Bank. To understand the position of India in global market.
		604- International Project Management	To understand students about the importance of project management To make students to be able to handle big projects.
		605- Supply Chain & Logistics Management	To make students able to tackle business situations through various requisites of SC&LM.
		606- Research Methodology & Project	To create interest amongst students for genuine research work. To improve creativity, thinking ability, innovation and learning habit for overall development.

Bachelor of Science(Computer Science)

SN	Program	Program outcomes	Program Specific Outcomes (PSO)
		(POs)	
1	B.Sc(Comp.Sci.)	PO1. CRITICALTHINKING	
			The objectives of the program shall be to provision sound academic base from which an advanced carrin Computer Science can be developed. Concepture grounding in Computer usage as well as its practice business application will be provided.
		PO2.EFFECTIVE COMMUNICATION	
		The medium of	POS 2
		instructions for this program is English. English being the language of world students become habitual to communicate in English.	There is great scope also exists in software industry, Company, Banking & finance.
		PO3 SOCIAL INTERACTIONS	
		In this program	PSO3
		students are made aware of social related issues. They are made aware of optimal use of resources.	To make the students self employed by using theoretical knowledge to start their own venture.
		P04 EFFECTIVE CITIZENSHIP	
		This program helps	PSO4
		students for uses effective decision making and problem- solving skills in public and private life. Students has the ability to collaborate effectively as a member of a group, also actively participates in civic and community	To make the students able to create computer application software which are used for specific firm.

	1		PO5 ETHICS	
			In this program students are made alert regarding business ethics, values and principles which are required for the growth of nation.	
			PO6 ENVIRNMENT AND	
	4		SUSTAINABILITY	
			Being Bachelor of Science Computer Sciencestudents they	
			become well conversant with various	
			business requisites for environment protection	
			and sustainability of the business.	
			PO7 SELF DIRECTED AND LIFE LONG LEARNING	
			Program curriculum inculcates the curiosity and problem solving approach which makes	
			them self directed and learning becomes a	
			continuous process throughout the life.	THE SAME AND A PROPERTY OF THE SECTION AND ADDRESS OF THE SECTION ADDRESS
1	Course	s offered – Under-C	Graduate Bachelor of Scien	nce (Computer Science)
1	Sr.No	Class	Course	Course Outcomes (Cos)
1	1	F.Y.B.Sc(Comp.	CS-101: Problem	This course enables students to
		Sci.)	solving Using Computers Using C	1) To develop problem solving abilities using Computers.
			Programming	2) To acquire basic principles of programming.
	7 4	A CONTRACTOR		To develop skills for writing program using 'C'
-			CS-102: File Organization and	 To acquire knowledge of data processing using Computers.
1			Fundamental of	2) To acquire organization of data using files,
				3) To gain knowledge about creations, manipulation and querying of data in databases.
1			CS-103: Computer	1) To gain knowledge of C programs.

			Science Practical paper-I CS-104: Computer	To acquie knowledge of data types and dat structures. To gain knowledg of appropriate control structure To gain knowledge of HTML Programming.
-	2	S V D C-(Co	Science Practical Paper-II	2) To gain knowledge of C-Programming.
	L	S.Y.B.Sc(Comp. Sci.) Semester-I & II	Structure Using C.	 To understand the knowledge of different method of orgnising large amount of data. To develop and implement different data structure.
				3) To efficient knowledge solution for different problems.
			CS-212 : Relational Database Management System.	To make the students aware about relational database concepts and transaction management concepts in database System. To gain knowledge of data security and its importance.
100			CS-221 : Object	3) To gain knowledge of client server architecture.
			Oriented concepts using C++	To gain knowledge of C++ Lanauage. To acquire knowledge of object Oriented programming.
			CS-222 : Software Engineering.	1) To gain knowledge of System analysis and design.
		Local Local De		2) To gain knowledge of process model and practices.
			CS-223 : Data Structure practicals and	1) To gain knowledge of data structure and related algorithm.
			C++ Practicals	2) To gain knowledge to solve one problem in many ways.
			CS-224 : Database practicals & Mini	1) To acquire knowledge of cursors, triggers, views and stored procedures.
	2 7		Project Using software engineering techniques.	2) To gain knowledge of writing writing queries as per functional requirement.
			CS-331 : System programming	1) To acquire knowledge of system programs and important role in program development.
		M.C.T.		2) To gain knowledge of data structure of a simple editor.
		7	CS-332 : Theoretical	3) To gain knowledge of operating system.
			Computer Science	1) To gain knowledge of requiar languages and context free language
		(2) To acquire knowledge of turing machine and classes of problem.
		N	CS-333 : Computer Network-I	1) To gain knowledge of network, various topologies and application of network.

	2) To acquire knowledge of networkir model, protocols and functionlity of each layer
	To gain knowledge of hardware and tools.
CS-334 : Internet programing-I	 To gain knowledge of PHP, Server side scripting language. To gain knowledge of PHP database handling.
CS-335 : Programming	1) To gain knowledge of FHP database handling.
in Java-I	To gain knowledge of Java Lanauage. To gain knowledge of exception handling, Swin and AWT.
CS-336 : Object	1) To gain knowledge of object Oriented Concepts.
Oriented software Engineering	To gain knowledge of classical softwarenggineering.
CS-341 : Operating Systems	To acquire issues related to process management and various related alogorithm.
	2) To gain knowledge related to proces management, Memory management and related algorithm.
CS-342 : Compiler Construction	1) To acquire knowledge of lexical analyzer and use of LEX.
	2) To gain knowledge of parser, Yacc tool , Memory allocation and code generation scheme.
CS-343 :Computer	To acquire knowledge of networking.
Networks-II	2) To gain knowledge of wireless network functionality of layer.
CS-344 : Internet Programming-II	1) To gain knowledge of client side scripting language.
00.045	2) To gain knowledge of AJAX ,Java Script and wet page.
CS-345 : Programming in Java-II	1) To gain knowledge of Java programming
	2) To acquire knowledge of multithreading, servle and JSP.
CS-346 : Computer Graphics	1) To gain knowledge of computer Graphics.
Staphics	2) To acquire knowledge of programmer perspective of working of computer graphics.
CC 247 C .	3) To gain knowledge of transformation.
CS-347 : System programming & Operating System .	1) To gain knowledge of system programs and operating System.
	2) To gain knowledge of simulations of operating system levels.
CS-348 : Programming in ava-1 &II.	1) To gain knowledge of java program.
	2) To gain knowledge of client and server and java program.
S-349 : Programming in	1) To gain knowledge of php programs.

Bachelor of Business Administration(Computer Applicaton)

	mmes offered Program	Program outcomes (POs)	Program Specific Outcomes (PSO)
	BBA(C.A)	PO1. CRITICALTHINKING	
		The curriculum is designed such way that students should acquire and ability to observe accurately and objectively. They should be able to solve the problems and also think scientifically, independently and draw rational conclusions.	The objectives of the program shall be to provide sound academic base from which an advanced carrer in Computer Application can be developed. Conceptual grounding in Computer usage as well as its practical business application will be provided.
		PO2.EFFECTIVE COMMUNICATION	
6		The medium of instructions	POS 2
		for this program is English. English being the language of world students become habitual to communicate in English.	There is great scope also exists in software industry, Company, Banking & finance.
		PO3 SOCIAL INTERACTIONS	
	- AFE HA	In this program students are	PSO3
		made aware of social related issues. They are made aware of optimal use of resources.	To make the students self employed by using theoretical knowledge to start their own venture.
		P04 EFFECTIVE CITIZENSHIP	
		This program helps students	PSO4
•		for uses effective decision- making and problem-solving skills in public and private life. Students has the ability to collaborate effectively as a member of a group, also actively participates in civic and community life	To make the students able to create computer application software which are used for specific firm.
183		PO5 ETHICS	
		In this program students are made alert regarding business ethics, values and principles which are required for the growth of nation.	

PO6 ENVIRNMENT AND SUSTAINABILITY	
Being Business Administration-Computer Application students they become well conversant with various business requisites for environment protection and sustainability of the business.	
PO7 SELF DIRECTED AND LIFE LONG LEARNING	
Program curriculum inculcates the curiosity and problem solving approach which makes them self directed and learning becomes a continuous	
process throughout the life.	



No	Class	Course	f Business Administration-Computer Application Course Outcomes (Cos)
	FYBBA-	101-Modern Operating	This course enables students to
0	CA	Environment & MS- Office	1) To develop knowledge and understanding of Computer environment.
			2) To make students aware to computer software and application.
			3) To inculcate values of Environmental ethics amongst the students.
		102-Financial	1) To acquire sound knowledge of basic concepts of accounting.
		Accounting	To gain basic accounting knowledge.
	0		 To gain knowledge about recording of trasactions and preparation of final account.
			4) To acquanint the student about accounting software packages.
		103-Programming principles & Algorithms	To expose basic mathematics concepts.
			2) To develop Analytical / Thinking and problem solving capabalities.
		104-Business Communication	1) To develop an integrative approach where reading, writing, presentation skills are used together to enhance the student ability to communicate and write effectively.
			2) To create awarness among student about methods and media of Communication.



		3) To make student familiar with information technology and improve job seeking skills.
	105-Principles of	1) To gain knowledge about working of business organisation.
	Management	2) To acquire knowledge of management process functions and principles.
		3) Students will also get the idea about recent trends in management.
	106-Laboratory	Practical knowledge of MS-Word, Excel, Powerpoint etc.
	Course-I(Based on Paper No.101&102)	2) To gain knowledge of programming algorithm and run algorithm using dry run method.
	201- Procedure Oriented Programming	1) To impart the Knowledge of Basic concepts of C-Programming language .
	Using C	2) To provide basic knowledge of implementing programming language.
		3) To gain knowledge of logic of program.
	202- Data Base	To understand the role of database Management system.
	Management System	2) To understand database Management System.
	HALL TENDEN	3) To understand and use of DBMS.
THE REAL PROPERTY.		4) To aware students about various SQL quary .
	203- Organizational	To gain knowledge about working in organisation.
	Behavior	2) To understand knowledge about stress.
		To gain knowledge of personality.
	204- Computer Application in	To gain the power of excel spreadsheet in computing summary statistics.
	Statistics	2) To understand the concept of various measure of central tendancy and their importance in business
		3) To gain knowledge of probality, Probality distributions.
	205- E-Commerce	To gain knowledge of electronics commerce.
	Concepts	2) To understand internet and Extranet .
		3) To understand technology soluton.
		4) To gain knowledge of E-Com Security.
	206-Laboratory	1) To gain the C-Programming program logic.
	Course-II(Based on Paper No.201&202)	2) To gain knowledge of DBMS & SQL language.
SYBBA- CA Semester- III	301- Relational Database Management System	1) To make the students aware about relational database concepts and transaction management concepts in database System.
		2) To gain knowledge about PL/SQL program, Function ,Procedure,package,Cursor and trigger.
	302- Data Structure Using C	1) To understand the knowledge of different method of orgnising large amount of data.



	303- Introduction to Operating System	To develop and implement different data structure. To efficient knowledge solution for different problems. To gain knowledge of System programming.
1		2) To know services and scheduling concepts provided by operating system.
	304- Business Mathematics	1) To gain knowledge of profit,loss,Interest,matrices and determinants.
		2) To enable the students to acquire necessary skills of L.P.P and T.P.
	305- Software Engineering	To gain knowledge of system concepts and its application in software development.
	306-Laboratory Course-III(Based on Paper No.301&302)	To gain knowledge of data structure using c language. To understaind practical knowledge of relational entities.
SYBBA- CA	401-OOP's Using CPP	To gain knowledge of basic object orientented concepts and issues involved in effective class design.
Semester- IV		2) To gain knowledge of writing object oriented programming language program use information hiding, Constructors, Destructors, inheritance.
	402- Programming in visual Basic	To gain knowledge of connectivity between VB and database. To acquire knowledge of active control and how to design VB application.
	403- Computer Networking	To gain knowledge of different topologies used in networking. To acquire knowledge of different types of network. To gain knowledge of connecting device used in network.
A COMPANY	404- Enterprise	1) To gain knowledge of ERP
	Resource Planning	2) To gain knowledge of different ERP technologies.
0	405-Human Resource Management.	1) To gain knowledge to student with Human resource management its different function in an organization and human resource processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization.
	406-Laboratory	1) To gain knowledge of CPP langauge.
	Course-IV(Based on Paper No.401&402)	2) To gain knowledge of different program of VB.
5 TYBBA-	501-Java Programming	1) To understand basic concept of Java programming.
CA		2) To develop java programming application.
Semester- V	502- Web Technologies	 To gain knowledge of internet programming. To gain knowledge to develop web based application using PHP.

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		503- Dot net Programming	1) To gain knowledge of visual programming and event driven programming practically.
1972			2) To gain applications development skill to student.
		504- Object Oriented	1) To gain knowledge of system design using UML.
		Software Engg.	2) To acquire knowledge of system development through object oriented techniques.
		505- Software Project-I (Based on C++/VB Technology)	1) To gain knowledge to student for develping project on real world application.
1111		506-Laboratory	1) To gain knowledge of Java langauge.
		Course-V(Based on Paper No.501 & 502)	2) To gain knowledge of different program of web technologies.
6	TYBBA-	601-Advanced Web	To gain knowledge of internet programming .
7	CA	Technologies	2) To understand concept of XML and AJAX.
	Semester- VI	602- Advanced Java	1) To gain knowledge of day to day applications.
-			2) To gain progamming logic.
		603- Recent Trends in	1) To gain knowledge of upcoming trends in information
		11	To understand concept Eco friendly software development.
1979		604- Software Testing	To gain knowledge of software testig
13.3		004- Software Testing	2) To understand how to test bugs in software.
		605- Software Project- II (Java / Dot Net Technology)	To gain knowledge to student for develping project on real world application.
		606-Laboratory	To gain knowledge of advance programming language.
		Course-VI(Based on Paper No-601 & 602)	2) To gain knowledge of different program of XML and AJAX.



		Chemistry Programmes offered	
Sr.No	Program	Program objectives	Program specific objectives
1	B Sc. Chemistry	PO1. CRITICALTHINKING	PSO1
		The curriculum is designed such way that students should acquire and ability to observe accurately and objectively. They should be able to solve the problems and also think scientifically, independently and draw rational conclusions.	branches of chemistry knowledge of chemical principles and make then independent for the effective application of it.
			POS 2
		PO2. EFFECTIVE COMMUNICATION	To provide thorough knowledge of laboratory skills so that students can prepare for the experimental setup, actual working of equipments, obtain experimental data and interpretation of it. This then interpreted using theoretical principles.
		The medium of instruction for this course is English. English being the language of world students become habitual to communicate in English using language of Chemistry.	PSO3
9			To make the students self sufficient in understanding and handling the various issues that may arise related to chemistry.
	Alle Marie Land	PO3 SOCIAL INTERACTIONS	
		In this course students are made aware of environment related issues. They are made aware of optimal use of fertilizers, water, fuels and drugs.	
A PROPERTY OF	0.910	P04 EFFECTIVE CITIZENSHIP	

ass	Course	Course Outcomes
	Brest die me.	
	learning becomes a continuous process throughout the life.	
	which makes them self directed and	
	Program curriculum inculcates the	
	PO7 SELF DIRECTED AND LIFE LONG LEARNING	
	with protection and conservation of environment.	
	system. So they become well versed	
	Being Chemistry students they become well conversant with various pollutants	
	SUSTAINABILITY	
	PO6 ENVIRNMENT AND	
	poisons, fungicides, pesticides and chemical and nuclear weapons	
	adulteration, chemical technology	
	In this program students are made alerts regarding misuse of food	
	PO5 ETHICS	
	fuels, general hygiene and cleanliness etc.	
	etc. They are also made aware importance of energy and water, food,	
	water management, water treatment	
	In this program students are made aware of pollution problems waste	

Sr.No

1	F.Y.B.Sc. Chemistry (Annual Pattern)	Paper I Physical & Inorganic Chemistry	This course enables students to understand basic laws regarding states of matter, surface chemistry, thermodynamics and structure of atom. Students are also made awarw of mole concept, derivations, depictions and problem solving and periodic properties of the elements including the preliminary theories of bonding.
•		Paper II Organic & Inorganic Chemistry	Students are made aware of fundamental concepts of organic and inorganic chemistry which governs the structure, bonding, properties, structural effects, acid-base theories, preparation methods, reactivity and stereochemistry of organic molecules.
		Paper III Practical chemistry	Chemistry is an experimental subject; practical course is intended to achieve the basic skills required for understanding the concepts and authenticating the basic laws and principles of chemistry &helps in development of practical skills of the students.
2	S.Y.B.Sc. Chemistry (semester Pattern)	Physical & Analytical Chemistry CH211	Students are made aware about kinetics of chemical reactions, photochemical laws, distribution law and extraction process.
•			Students are introduced to analytical chemistry in which they are made aware of inorganic qualitative analysis and analysis of organic compounds (Qualitative & Quantitative). Along with it they also study error in quantitative analysis & ways to minimize them.

	Organic & Inorganic Chemistry CH212	Students are made aware of stereochemistry of different stereoisomers & organic reaction mechanism in which they study different types of reagents, reactions and their mechanisms.
		Students are introduced to metallurgy to understand chemical reactions and processes occurred in metallurgy. The corrosion & passivity is also included in the syllabus.
Semester II	Physical & Analytical Chemistry CH221	Students are made aware about concepts of Helmholtz free energy & Gibbs free energy as well as free energy of chemical reactions & physical transformation. Students also study different modes of concentration , distillation of solutions of liquid in liquid , partially immiscible liquids& distillation of immiscible liquids.
		Students are made to understand volumetric analysis wherein they study non-instrumental volumetric analysis which comprises of study of various titrations, indicators used in it& some theoretical aspects related with titrations.
	Organic & Inorganic Chemistry CH222	Students are introduced to various biomolecules, their role & structural aspects. Students also study different oxidizing and reducing reagents, their selectivity to different substrates, heterocycles, their preparation & reactions.

			Students are introduced to organometallic chemistry & use of organometallic compounds in synthesis of organic as well as inorganic compounds. They also study chemical toxicology to know adverse effects of chemicals.
	S. Y. B.Sc. Chemistry (Annual Pattern)	Practical course	Students are trained to determine the rate constant of chemical reactions, heat of solution, heat of neutralization, critical solution temperature of partially miscible system & distribution coefficient. Students are trained for quantitative analysis of different samples such as Na ₂ CO ₃ in washing soda, Aspirin in APC tablet, Aluminium in Alum, strength of H ₂ O ₂ , Copper in Brass & iodimetric
			Students are trained for organic & inorganic qualitative analysis. They are also trained for preparation of organic compounds & chromatographic techniques like TLC.
3	T. Y. B.Sc. Chemistry Semester III	CH-331 Physical Chemistry	Students are introduced basic concept of physical chemistry. They also learn methods to determine order of reaction, Arrhenius equation, and graphical evaluation of energy of activation. Students learn principle and applications of rotational, vibrational, raman and electronic spectroscopy. Students will get familiar with phase rule, phase diagram of one and two component systems.
		CH-332 Inorganic Chemistry	Students are made aware of the principles of various theories of bonding like Sidgwick model, Werner's theory VBT,CFT, MOT. They are also made aware of the principles of isomerism, nomenclature and structures of inorganic

	complexes.
CH 333 Organic chemistry	It is the basic course in organic chemistry. Students are introduced with concepts like acidity, basicity of organic molecules, electrophile, nucleophile and good and bad leaving groups. Students are introduced with stereochemistry of disubstituted cyclohexane. Students are able to understand mechanism of organic reaction. Arrow drawing concept which is important part of reaction mechanism is explained thoroughly in this course. Students are able to identify different types of organic reactions and also they can understand reactivity profile of organic molecules.
CH 334 Analytical Chemistry	Students are made aware of quantitative chemical analysis using the techniques like gravimetry, polarography, AAS, FES and spectrophotometry at the levels of macro, micro and trace analysis of metals and non-metals from industrial and natural samples.

CH-335 Industrial Chemistry	This course enables the students to learn use of agrochemicals like pesticide, insecticides, fungicides, fertilizers and their environmental impact. Study of food industry makes them aware of food adulteration, storage and processing of food. This course also provides opportunity to study agrochemicals, food chemicals on industrial scale. Students also learn manufacturing of basic chemicals such as Ammonia, Sulphuric acid and Nitric acid. Syllabus further comprises study of petrochemicals and eco-friendly fuels, where in students study processing of petrochemical fuels, properties of fuels and applications of fuels, non conventional energy. Syllabus also includes study of cement and glass industry. Properties, manufacture and applications of different types of cement and glass.
CH-336 Biochemistry	Students are introduced to the properties and character of fundamental components of living organism such as proteins, carbohydrates, lipids, vitamins and hormones. Students are expected to get familiarize with cell types, cell organelles and various techniques used in biochemical studies.

T. Y. I Chem Semest	istry	The course aims to give fundamental understanding and applications of electrochemical Cells, Nuclear Chemistry, Crystal structure and Quantum Chemistry. Students get to know thermodynamics and EMF, Chemical cell with and without transfer, application of EMF measurement such as pH determination, determination of solubility and solubility product. Basic elements of quantum chemistry are also introduced.
	CH- 342 Inorgan	Students are made aware of chemistry of f block elements principles and applications of catalysis, organomettalic chemistry and the principles and the applications of metals, semiconductors and superconductors.
	CH -343 Organi	Students are introduced with carbanions and their reactions. Retrosynthetic analysis concepts are explained to students. Rearrangement reactions are introduced with mechanistic approach. Spectroscopic techniques like PMR, U.V. and I.R. are introduced. Students learned to differentiate organic compounds with the help of these spectroscopic techniques.
	CH 344 Analytica	The students are trained in the technique of separation, identification of purification using chromatographic techniques like TLC,GC,HPLC, electrophoresis etc . This knowledge enables them to be good analytical of Quality control chemist in various fields.

	CH-345 Industrial Chemistry	Students are expected to learn properties, ways to manufacture or process and application of different types of polymer, paints, pigments, dyes, soaps, detergents and cosmetics. Students also learn theoretical aspects of manufacturing of sugar and fermentation industry. Syllabus further includes study of Pharmaceutical industry where students are introduced to general aspects of drug action, manufacturing of some drugs and its usage and lastly there is topic which discusses problems caused by industry such as pollution and generation of waste and what are the ways which can prevent or minimize it.
	CH-346 (C) Biochemistry	Students need to know the significant metabolic pathways necessary for the sustenance of life. Fundamental processes associated with central dogma of molecular biology are taught. Students get acquainted with applications of genetic engineering in various fields like agriculture, industries and medicine.
T. Y. B.Sc. Practical Chemistry (Annual)	CH- 347 Physical Chemistry Practical	Students are trained in the techniques such as pH metry, Conductometry, Potentiometry, Colorimetry, Spectrophotometry, Refractometry and G. M. Counter. They learn to use these techniques in order to understand various chemical reactions.
	CH- 348 Inorganic Chemistry Practical	Students are trained in the IQA of different mixtures of inorganic compounds, and the separation of the metal ions using chromatographic techniques and inorganic quantitative analysis using the techniques of gravimetry, volumetry, colorimetry

CH-349 Organic Chemistry Practical

Chemistry is an experimental subject; practical course is proposed to achieve the basic skills required for understanding the reactivity of organic molecules and validating the basic principles. It helps in development of practical skillsof the students & understanding the importance of chemical safety and also explains the factors affecting reaction outcomes and yields.

Objectives	Programme Speific Objectives
	F.Y.B.sc
PO1. Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.	
	Principles of Digital Electronics:
	Well Knowledge about digital system design in Electronics2. Designing of Digital Circuit in Different Application. 3 Knowldege about digital therm and low in digital electronics.
	Principles of Analog Electronics.:1 imparted the knowledge of various Electronics Component And Passive Component 2. instilled the knowledge about various analog electronics Theorems Like KVL&KCL low
PO2.Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.	
DO2 Environment and Control March	C The Control of the
Understand the issues of environmental contexts and sustainable development.	S.Y.Bsc:
	S.Y.Bsc:Digital System Design:
PO4.Self-directed and Life-long Learning: Acquire the ability to engage in Independent and life-long learning in the Provided the service of	1. Well Knowledge about digital system design in Electronics2. Designing of Digital Circuit in Different Application. 3. Knowledge about digital therm and lows in digital electronics.4. knowledge about how work designing digitsal System.
	PO1. Effective Communication: Speak, read write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology. PO2.Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. PO3.Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

1.Well understanding about analog system design .2.How work analog sysem in Industrioes. 3.good Knowledge About Analog system.
Instrumentation:
Instrument Oprationg Principle Knowledge 2.knowledge about instrument. 3.knowdegde about handelinginstrument.
Communication Principles:
1. T.V. System Knowdege 2. Mobile And Telephone working Knowledge 3.importance of Communication How Does Take Place Communication
T.Y.B.SC.
Advanced Digital System Design :
1.Well understanding About Digital System And Its Hardware.2.Also information About Automation Based PLC Sysem
Microcontroller:
Understands basic knowledge About Microcontroller And Microprocessor 2.Basic Aobut Microcontroller.
Analog Circuit Design And Application OF linear ICs:
1.Info About Analog System .Different IC's Kwowledge
Principles of semiconductor Devices:
basic concepts About Semiconductor.
C'Programing:
1.Well knowledge about programing in 'c' which is most imported in industries
Fober Optic Communication:
new Type of communication for light wave.
Foundation Of Nanoelectronics:

		1.Info About Development of nanoelectronics Development eg.Nanochip Development MATLAB:
		1.programing laguage study
Course		
FYBsc : Principles of Analog Electronics.	Course outcomes 1. imparted the knowledge of various Electronics Component And Passive Component 2. instilled the knowledge about various analog electronics Theorems Like KVL&KCL low	
FYBsc: Principles of Digital Electronics	Well Knowledge about digital system design in Electronics2. Designing of Digital Circuit in Different Application. 3. Knowldege about digital therm and lows in digital electronics.	
S.Y.Bsc:Digital System Design	Well Knowledge about digital system design in Electronics2. Designing of Digital Circuit in Different Application. 3. Knowldege about digital therm and lows in digital electronics.4. knowledge about how work designing digitsal System.	
S.Y.Bsc:Analog System Design	1.Well understanding about analog system design .2.How work analog sysem in Industrioes. 3.good Knowledge About Analog system.	
S.Y.Bsc:Instrumentation.	Instrument Oprationg Principle Knowledge 2.knowledge about instrument. 3.knowdegde about handelinginstrument.	
S.Y.Bsc:Communication Principles.	1. T.V. System Knowdege 2. Mobile And Telephone working Knowledge 3.importance of Communication How Does Take Place Communication Kowledge.	
T.Y.Bsc : Advanced digital system Design	1.Well understanding About Digital System And Its Hardware.2.Also information About Automation Based PLC Sysem	

T.Y.Bsc : Microcontrollers	Understands basic knowledge About Microcontroller And Microprocessor 2.Basic Aobut Microcontroller.	
T.Y.Bsc: Analog Circuit Design And Application of linear IC's	1.Info About Analo System .Different IC's Kwowledge	
T.Y.Bsc : Principles of semiconductor devices	basic concepts About Semiconductor.	
T.Y.Bsc: 'C'Programing.	Nell knowledge about programing in 'c' which is most imported in industries	
T.Y.Bsc : Fiber optic Communication	new Type of communication for light wave.	
T.Y.Bsc : Advanced Communication System	info About some Advance technic used in communication system	
T.Y.Bsc:Microontroller and its application.	1.various application studies about microcontroller system	
T.Y.Bsc : Power Electronics	Gets Knowledge about the concept and circuit study about power system	
T.Y.Bsc : Foundation Of Nanoelectronics	I.Info About Development of nanoelectronics Development eg.Nanochip Development	
T.Y.Bsc :MATLAB	1.programing laguage study	

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes

Sr. No.	Program	Program Objectives	Program Specific Objectives
1	BSc Mathematics	PO1: Promotion of self study	PSO1: To enable the students to cultivate a mathematical way of
	Mathematics	PO2: Promotion of thinking	thinking i.e. making conjectures, verifying them with further
		PO3: Confidence	observations, generalizing them, trying to find proofs and making observations
		PO4: Creativity	PSO2 : To enable the students to
		PO5: Problem Solving	quantify their experiences in other subjects they study.
		PO6: Understanding Concepts	PSO3: To enable the students to learn the basic structures of mathematics
		PO7: Development of Writing,	through unifying concepts and to motivate these structures through
		Listening and Teaching Skills	applications.
		PO8: Group Discussion (Skill of Team work, interpersonal skills)	PSO4: To enable the students to study mathematics for themselves.
		PO9: Social Values: Unity in Diversity	PSO5: To provide high quality mathematical education at all levels that will be vital for scientific and technological developments.



Vishwalata Arts Commerce

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Attainment of Programme Specific Outcome

Courses Offered

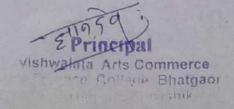
Sr. No.	Course	Course Outcomes
1	FYBSc Algebra and Geometry	On completion of this course students will be expected to Prove results involving divisibility and greatest common divisors; Applications of Modular Arithmatics. Solve systems of linear equations; Find integral solutions to specified linear Diophantine Equations; Apply Euler-Fermat's Theorem to prove relations involving prime numbers; Apply the Wilson's theorem. Polynomial addition, subtraction, division, multiplication, roots of polynomials. Transformation, translation and reflection; Used cut-out shapes as a means to develop the mental transformation of geometric shapes. Perform translations and rotations of the coordinate axes to eliminate certain terms from equations. To find nature of general conics. Find equation of spheres, cylinders and cones from different given
2	FYBSc Calculus and Differential Equations	On completion of this course students will be expected to Be able to solve algebraic equations and inequalities involving the square root and modulus function understand the difference between equations and identities, and be able to prove simple identities and inequalities Be able to recognize odd, even, periodic, increasing, decreasing functions Understand the operation of composition of functions. Be able to calculate limits by substitution and by eliminating zero denominators Be able to calculate limits at infinity of rational functions Be able to calculate limits in indeterminate forms by a repeated use of l'H^opital's rule Be able to use derivatives to find intervals on which the given function is increasing or ecreasing Find maxima and minima, critical points and inflection points of



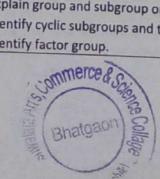
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Vishwalata Arts Commerce
Science College Bhatgaor
Tal Youla Dret Machib

		functions and to determine the concavity of curves Be able to sketch graphs of rational functions. Understand the concept of indefinite integral as anti-derivative	
3	SYBSc (SemI) Multivariable Calculus I	 Upon successful completion of Multivariable Calculus the student will be able to Perform standard operations on vectors in two-dimensional space and threedimensional space Compute the dot product of vectors, lengths of vectors, and angles between vectors Compute the cross product of vectors and interpret it geometrically Determine the equations of lines and planes using vectors Identify various quadric surfaces through their equations Sketch various types of surfaces Define vector functions of one real variable and sketch space curves Compute derivatives and integrals of vector functions Find the arc lengths and curvatures of space curves Find the velocity and acceleration of a particle moving along a space curve Define functions of several variables and their limits Calculate the partial derivatives of functions of several variables Apply the chain rule for functions of several variables Calculate the gradients and directional derivatives of functions of several variables Solve problems involving tangent planes and normal lines Determine the extrema of functions of several variables Use the Lagrange multiplier method to find extrema of functions with 	
4	SYBSc (SemI) Laplace Transform and Fourier Series	On completion of this unit successful students will: • Able to understand the Laplace transform of elementary functions. • Able to use the rules of integration & definition of Laplace transform students to prove the properties of Laplace transform. • Learns the topics inverse Laplace transform, application of Laplace transform helps to solve linear higher order differential equation, system of differential equations. • Understand the concept of fourier Series which gives the idea of	
5	SYBSc (SemII) Linear Algebra	expanding the sectionally continuous functions in to infinite series. On successful completion of this course unit students will be able to Understand the basic ideas of vector algebra: linear dependence and independence and spanning; Know how to find the row space, column space and null space of a matrix, and be familiar with the concepts of dimension of a subspace and the rank and nullity of a matrix, and to understand the relationship of these concepts to associated systems of linear equations;	





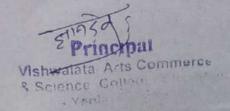
		Be familiar with the notion of a linear transformation and its matrix; Find the Gram-Schmidt orthogonalization of a matrix
6	SYBSc (SemII) Multivariable Calculus II	On completion of this unit successful students will be able: How to deals with vector valued functions To understand topics like line integral, surface integral which generalize integration to functions defined on curves & surfaces. To understanding the computation of work done, flux, mass, area of the surfaces. To understand the Greens theorem, Stokes theorem, divergence theorem that teaches the relation between integration of functions over surfaces & its boundry, solids & its surface
7	TYBSc (SemIII) Metric Spaces	On completion of this unit successful students will be able to: Deal with various examples of metric spaces; Have some familiarity with continuous maps; Work with compact sets in Euclidean space; Work with completeness; Apply the ideas of metric spaces to other areas of mathematics.
8		
9	TYBSc (Semili) Group Theory	On completion of this unit successful students will be able to: Demonstrate when a binary algebraic structure forms a group. Construct Caley tables. Determine possible subgroups of a group. Identify normal subgroups of a group. Examine symmetric and permutation groups. Explain group and subgroup orders using Lagrange's theorem. Identify cyclic subgroups and their generators. Identify factor group.



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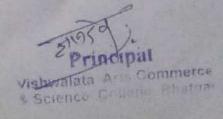
		 Implement group axioms. Apply a range of mathematical techniques to solve a variety of quantitative problems. Analyze and solve problems individually and/or as par
10	TYBSc (SemIII) Ordinary Differential Equations	 On completion of this unit successful students will be able to: Distinguish between linear, nonlinear, partial and ordinary differential equations. State the basic existence theorem for 1st order ODE's and use the theorem to determine a solution interval. Recognize and solve a variable separable differential equation. 4. Recognize and solve a homogeneous differential equation. Recognize and solve an exact differential equation. Recognize and solve a linear differential equation by use of an integrating factor. Make a change of variables to reduce a differential equation to a known form. Find particular solutions to initial value problems. 10. Solve basic application problems described by first order differential equations.
11	TYBSc (SemIII) Operation Research	On completion of this unit successful students will be able to: Apply the techniques used in operations research to solve real life problem in mining Industry select an optimum solution with profit maximization; Have complete understand of the significant role operation research play in mining Project completion at every stage of the mines (Skills) use operations research to: 1. Solve transportation problems during the allocation of trucks to excavators 2. Formulate operation research models to solve real life problem 3. Proficiently allocating scarce resources to optimise and maximise profit 4. Eliminate customers / clients waiting period for service delivery turn real life problems into formulation of models to be solve by linear programming etc. Determine critical path analysis to solve real life project scheduling time and timely Delivery use critical path analysis and programming evaluation production and review techniques For timely project scheduling and completion and conduct literature search on the internet in the use of operation research techniques in mining projects execution and completion.





12	TYBSc (SemIII)	On any lating of the late of the death will be able to:
	Number Theory	 On completion of this unit successful students will be able to: Define and interpret the concepts of divisibility, congruence, greatest common divisor, prime, and prime-factorization. Apply the Law of Quadratic Reciprocity and other methods to classify numbers as primitive roots, quadratic residues, and quadratic non-residues. Formulate and prove conjectures about numeric patterns. Produce rigorous arguments (proofs) centered on the material of number theory, most notably in the use of Mathematical Induction and/or the Well Ordering Principal in the proof of theorems.
13	TYBSc (SemIV) Complex Analysis	Upon successful completion Complex Analysis, a student will be able to:
		 Represent complex numbers algebraically and geometrically, Define and analyze limits and continuity for complex functions as well as consequences of continuity, Apply the concept and consequences of analyticity and the Cauchy-
		Riemann equations and of results on harmonic and entire functions including the fundamental theorem of algebra,
		Analyze sequences and series of analytic functions and types of convergence,
		Evaluate complex contour integrals directly and by the fundamental theorem, apply the Cauchy integral theorem in its various versions, and the Cauchy integral formula, and
		 Represent functions as Taylor, power and Laurent series, classify singularities and poles, find residues and evaluate complex integrals using the residue theorem.
14	TYBSc (SemIV)	Upon successful completion of this course, students will be able to
	Real Analysis II	 Define Riemann integrable and Riemann sums Prove a theorem about Riemann sums and Riemann integrals
		Knowledge of some simple techniques for testing the convergence of sequences and series of functions, and confidence in applying them.
15	TYBSc (SemIV)	Upon successful completion of this course, students will be able
	Ring Theory	To write precise and accurate mathematical objects in ring theory For checking the irreducibility of bishes decreased in ring theory
		 For checking the irreducibility of higher degree polynomials over rings. To understand the concepts like ideals and quotient rings.
4		To understand the concept of ring homomorphism.





	Partial Differential Equations	 Explain the concepts and language of partial differential equations. Understand the difference between ordinary & partial differential equation Classify the partial differential equations Solve the partial differential equation using charpits method, Jacobis method.
17	TYBSc (SemIV) Optimization Techniques	Upon successful completion of this course, students will be able to Formulate optimization problems; Understand and apply the concept of optimality criteria for various type of optimization problems; Solve various constrained and unconstrained problems in single variable as well as multivariable; Apply the methods of optimization in real life situation.
18	TYBSc (SemIV) Graph Theory	 Upon successful completion of this course, students should Be familiar with the definitions and basic theory of graphs; Be able to implement many of the standard algorithms of graph theory; Be able to prove simple results in graph theory. State all of the technical definitions covered in the course (such as a graph, tree, planar graph, coloring, digraph, generating function, linear extension, and other terms). State all of the relevant theorems covered in the course. Use these definitions and theorems from memory to construct solutions to problems and/or Dijkstra's algorithm to find a shortest path spanning tree in a graph or digraph.





Vishwalata Arts Commerce 8 Science College Bhatgaor Tal Yeola Dist-Nashit

Master of Commerce (M Com)

Programmes offered

SN	outcomes (POs)		Program Specific Outcomes (PSO)
1	M Com	1) 101 Management Accounting.	The main objective of this programme is to train the stuent to develop conceptual, applied and research skill as well as competencis required for effective problem solving and right decision making in routine and spelcal activities relvent to financial mangment and baning transction of a business.
		2) 102 Stragegic 7 management.	Stragegic management foces on integrating management, marketing, fianance, operation, research and development, and infromation systems to achive orgnizational success.
		3) 107 Advanced Cost Accounting.	The ascertainment of cost, fixacation of selling price, proper recording and presentation of cost data.
		4) 108 Costing Technique & Responsibility Accountung.	The system of costing like standared costing and budgetory control are useful to management for controlling the cost.
		5) 201 Financial Analysis & Control.	To educate the stdent on quantitative analysis and to use statical techniques for analysis of business data.
		6) 202 Industrial Economics.	To make the students understand the use of economic tools, principles, law etc.
		7) 207 Application of cost Accounting,	The objective of this course is to acquaint stuent with the accounting concepts tools and techniques.
		8)208 Cost control and cost systems.	To ascertainment of cost, fixation of selling price, properrecording and presentation of cost data.
		9)301 Business Finance.	It is decision to impart in depth of knowledge and professional skills required for handling the accontin and taxation related activities of business entities.

10) 302 Resear Methodology for business.	It relates to utility of research work as, a research is accepted for more use to the society.
11) 307 Cost Audit.	Cost Audit represent the verification of cost Account and check on the adherence to cost accounting plan.
12) 308 Management Audit.	To identify the weakness and inefficincies of management and dirrrent functional areas, such as production.
13) 401 Capital Market & Finance	The objective of this course is to acuaint student with the capital market concent and tools and echniques for finance servioces.
services. 14) 402 Industrial Economic Environment.	To provide the student with a background of various environment factors that hgave major repressions on busniess.
15) 407 Recent Advances in cost and Auditing and cost system.	To provide on in depth study of the recent Advances in cost Auditing principle and Technique for identification an cost systems.
16) 408 Project Work	To provide student with an conceptual and analytical framwork of generation of alternate project and their evaluation.

Master of Science(Computer Science)

Programmes offered

SN	Program	Program outcomes (POs)	Program Specific Outcomes (PSO)
1	M.Sc(Comp.Sci.)	PO1. CRITICALTHINKING	1
			The objectives of the program shabe to provide sound academic base from which an advanced carrer is Computer Science can be developed Conceptual grounding in Computer usage as well as its practical business application will be provided.
		PO2.EFFECTIVE	
		COMMUNICATION The medium of instructions for	POS 2
		this program is English. English being the language of world students become habitual to communicate in English.	There is great scope also exists in
			software industry, Company, Banking & finance.
		PO3 SOCIAL INTERACTIONS	
		In this program students are made aware of social related issues. They are made aware of optimal use of resources.	PSO3
			To make the students self employed by using theoretical knowledge to start their own venture.
		P04 EFFECTIVE CITIZENSHIP	
		This program helps students for	PSO4
		uses effective decision making and problem-solving skills in public and private life. Students has the ability to collaborate effectively as a member of a group, also actively participates in civic and community life	To make the students able to create computer application software which are used for specific firm.
		PO5 ETHICS	
		In this program students are made alert regarding business ethics, values and principles which are required for the growth of nation. PO6 ENVIRNMENT AND	
		SUSTAINABILITY	

		Computer S become we various bus environmer sustainabili PO7 SELF	der of Science Science students they Il conversant with iness requisites for nt protection and ty of the business. DIRECTED AND G LEARNING	
		the curiosit solving app them self d becomes a throughout		
Sr.No	offered – Post-Gradua		f Science (Computer Science	
1	Class		Course	Course Outcomes (Cos)
	F.Y.M.Sc(Comp. Semester-I		CS-101: Principles of programming language	This course enables students to 1) To gain knowledge of OOP language. 2) To gain knowledge of C,C++ and Java programming. 3) To gain knowledge of data structure and algorithms.
			CS-102: Advanced	1) To acquire knowledge of
23.55		page 1	Networking	advanced networking
			CS-103 : Distributed Database concepts.	To gain knowledge of principles and foundations of distributed databases. To acquie knowledge of
				design issues, integrity control, query processing and optimizations. 3) To gain knowledg of concurrency control & distributed transaction reliability.
			CS-104: Design and Analysis of Algorithms	To gain knowledge of algorithm analysis techniques. To acquire knowledge of varity of useful algorithm
			CS-105 : Netwok programming	To gain knowledge of user level knowledge of Linux. To acquire knowledge of
Se	emester-II		CS-201 : Digital image processing	networking concepts.

			CS-202 : Advanced Operating System	To acquire knowledge about image. To gain knowledge of C-Programming. To gain knowledge of computer architecture.
			CS-203 : Data mining and data warehousing	3) To gain knowledge of data structure. 1) To gain knowledge of data mining. 2) To acquire knowledge of data
			CS-204 : Project	warehousing. 1) To gain knowledge of
			CS-205 : Project with Dot Net	academic project. 1) To gain knowledge of object Oriented programming concept and knowledge of web development. 2) To gain knowledge to solve one
			CS-206 : Artificial Intelligence	problem in many ways. 1) To acquire knowledge of artificial intelligence. 2) To gain knowledge of data structure, design and analysis of algorithm.
	3 S.Y.M.Sc(Comp.Sci.)Semester- III	CS-301 : Software Metrices and Project Management	To gain knowledge of software metrices and project management covers skill that are required to ensure sucessful medium.	
			2) To acquire knowledge of project management technique for process modeling.3) To gain knowledge of software matrices.	
			CS-302 : Mobile Computing	To gain knowledge of mobile architecture To acquire knowledge of GSM architecture.
			CS-303 : Soft Computing	2) To acquire knowledge of soft computing. 2) To acquire knowledge of intellgence system. 3) To gain knowledge of all
			CS-304 : Project	algorithms. 1) To gain knowledge of academic project.

			1) To gain knowledge of industrial project.
		CS-305 : Web Services	1) To gain knowledge of web services and implementation model for SOA.
			2) To gain knowledge of cloud computing, virtualization and data in cloud.
		CS-308 : Business Intelligence	1) To gain knowledge of business intelligence.
		10000000000000000000000000000000000000	2) To gain knowledge of data mining techniques.
4	Semester -IV	CS-401 : Industrial Project	1) To gain knowledge of

Programme Outcome & Specific Outcome

		Master of Con	mmerce (M Com)
Programmes offered			
SN	Program	Program outcomes (POs)	Program Specific Outcomes (PSO)
1	M Com	1) 101 Management Accounting.	The main objective of this programme is to train the stuent to develop conceptual, applied and research skill as well as competencis required for effective problem solving and right decision making in routine and spelcal activities relvent to financial mangment and baning transction of a business.
		2) 102 Stragegic management.	Stragegic management foces on integrating management, marketing, fianance, operation, research and development, and infromation systems to achive organization success.
		3) 107 Advanced Cost Accounting.	The ascertainment of cost, fixacation of selling price, proper recording and presentation of cost data.
		4) 108 Costing Technique & Responsibility Accountung.	The system of costing like standared costing and budgetory control are useful to management for controlling the cost.
		5) 201 Financial Analysis & Control.	To educate the stdent on quantitative analysis and to use statical techniques for analysis of business data.
		6) 202 Industrial Economics.	To make the students understand the use of economic tools, principles, law etc.
		7) 207 Application of cost Accounting,	The objective of this course is to acquaint stuent with the accounting concepts tools and techniques

8)208 Cost control and cost systems.	To ascertainment of cost, fixation of selling price, properrecording and presentation of cost data.
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11) 307 Cost Audit.	Cost Audit represent the verification of cost Account and check on the adherence to cost accounting plan.
12) 308 Management Audit.	To identify the weakness and inefficincies of management in dirrrent functional areas, such as production.
13) 401 Capital Market & Finance services.	The objective of this course is to acuaint student with the capital market concent and tools and echniques for finance servioces.
14) 402 Industrial Economic Environment.	To provide the student with a background of various environment factors that hgave major reprcussions on busniess.
15) 407 Recent Advances in cost and Auditing and cost system.	To provide on in depth study of the recent Advances in cost Auditing principle and Technique for identification an cost systems.
16) 408 Project Work	To provide student with an conceptual and analytical framwork of generation of alternate project and their evaluation.



Vishwalata Arts Commerce & Science College Bhatgaon Tal. Yeola Dist-Nashik

Course Outcome - MSC (C.S)

Class	Course	Course Outcomes (Cos)
F.Y.M.Sc(C	CS-101: Principles of	This course enables students to
omp. Sci.) Semester-I	programming language	1) To gain knowledge of OOP language.
		2) To gain knowledge of C ,C++ and Java programming.
		 To gain knowledge of data structure and algorithms.
	CS-102: Advanced Networking	To acquire knowledge of advanced networking
	CS-103 : Distributed Database concepts.	To gain knowledge of principles and foundations of distributed databases.
		 To acquie knowledge of design issues, integrity control, query processing and optimizations.
		 To gain knowledg of concurency control & distributed transaction reliability.
	CS-104 : Design and Analysis of Algorithms	1) To gain knowledge of algorithm analysis techniques.
		2) To acquire knowledge of varity of useful algorithm
	CS-105 : Netwok programming	To gain knowledge of user level knowledge of Linux .
		2) To acquire knowledge of networking concepts.
Semester-II	CS-201 : Digital image	1) To gain knowledge about image processing.
	processing	2) To acquire knowledge about image.
	CS-202 : Advanced	1) To gain knowledge of C-Programming.
	Operating System	2) To gain knowledge of computer architecture.
		3) To gain knowledge of data structure.
	CS-203 : Data mining and	1) To gain knowledge of data mining.
	data warehousing	2) To acquire knowledge of data warehousing.
	CS-204 : Project	1) To gain knowledge of academic project.
	CS-205 : Project with Dot Net	To gain knowledge of object Oriented programming concept and knowledge of web development.
		2) To gain knowledge to solve one problem in many ways.
	CS-206 : Artificial Intelligence	1) To acquire knowledge of artificial intelligence.
		2) To gain knowledge of data structure, design and analysis of algorithm.

S.Y.M.Sc (Comp.Sci.) Semester-III	CS-301 : Software Metrices and Project Management	 To gain knowledge of software metrices and project management covers skill that are required to ensure successful medium. To acquire knowledge of project management technique for process modeling.
	-	3) To gain knowledge of software matrices.
	CS-302 : Mobile Computing	1) To gain knowledge of mobile architecture
		2) To acquire knowledge of GSM architecture.
	CS-303 : Soft Computing	2) To acquire knowledge of soft computing.
		2) To acquire knowledge of intellgence system.
		3) To gain knowledge of all algorithms.
	CS-304 : Project	1) To gain knowledge of academic project.
		1) To gain knowledge of industrial project.
CS-305 : Web Services CS-308 : Business Intelligence	CS-305 : Web Services	1) To gain knowledge of web services and implementation model for SOA.
		2) To gain knowledge of cloud computing, virtualization and data in cloud.
		1) To gain knowledge of business intelligence.
	2) To gain knowledge of data mining techniques.	
Semester -IV	CS-401 : Industrial Project	1) To gain knowledge of industrial project.



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