CRITERIA II- TEACHING-LEARNING AND EVALUATION

2.6 Student Performance and Learning Outcomes

2.6.1 Program and course outcomes for all Programs offered by the institution

Sr no.	Particulars
	Master Index
1	Program and course outcomes for all Programs offered by the institution
2	Orientation program notice

GOODWILL INTERNATIONAL FOUNDATION'S
Shree Jaya Anand Commerce & Science Night College
G. B. Road, Beside Kumbla Hospital, Charai, Thane (W)-400 601.

College Code - 175

NAAC CYCLE-I

Programme- B.Com
Programme Outcomes

- **PO1** After completing three years for Bachelors in Commerce (B.Com) programme, students would gain Knowledge in the fundamentals of Commerce, Accountancy, Management and all allied subjects .
- **PO2** The commerce focused curriculum offers a number of specializations which would equip the student to face the modern-day challenges in commerce and business and they will be prepared to accept responsibilities in the business world.
- **PO3** Empowerment of learners through access to commerce education and enabling them to develop as intellectually active, socially responsible citizens always ready for continuous personal and professional growth to fit into the challenging business environment .
- **PO4** Inculcate the element of research amongst the learners, to develop their overall .

F.Y.B.COM(SEM I&II)

SR NO	SUBJECTS	OUTCOMES
1	Commerce(Com I &ID	Objective of business, new trend in business, To study key aspect of value creation in enterprises, business environment, Project Planning & Entrepreneurship. Service Sector, Attention advice. experience & effective man Dower.
2	Accountancy	To leam the finalization manufacturing concern & calculation of profit of &part mental account, branch account, consignment account, learning of accounting standards ,valuation of inventories by using several methods. To learn fire insurance claim of inventories. T6'learn higher purchase transaction related to fixed assets.
3	Business Economics	To learn the relationship between price & demand, price &supply. To identify the market structure, to forecast the demand in the daily return. To understand the basic terms in Business Economics, to know about cost revenue, business tools. profit determination & prices .

4	Foundation Course-I	To understand basic human values, human rights, constitution, knowledge of contemporary issues world over, awareness about environmental issues .
5	Business Communication	To understand the basic communication techniques & learning basic bus correspondence, to learn business communication skill.
6	Mathematics & Statistics	To learn basic mathematics & statistics for increasing capability of student. To develop reasoning & thinking power of students.
7	Environmental studies	To create awareness about Environmental issues like Environmental Pollution & its effect on human being &environment, Global warming, Climate change, Solid Waste Management,

S.Y.B.COM (III&IV)

S.R.NO	SUBJECTS	OUTCOMES
1	Commerce(III& IV)	Management - to know about the process of situation, goal identification, development, evaluation, results & corrective measures. Production & Finance-Finance, Monetary budgets ,for production of service & goals, funds towards various expenses on production. assessing the intervention, expenditure.
2	Accountancy	Accounting of special business situation like dissolutions, mergers etc. for partnership firm along with accounting provisions of partnership act. Introduction to basic issue &redemption transaction of shares of joint stock company.
3	Business Economics	To get an idea about more economic concept sum as trade cycles, Banking, buyers' theory and new classical views on economics. Get acquainted with Indian economy.
4	Foundation Course-II	Awareness in students about surroundings. , Use of technology & Innovation in lifelong learning. To learn about Human development, role of NGOs in social change-" secularism, different social issues. Aware student ab8ut different community development programmers, Environmental education.
5	Business Law	Students get the knowledge about certain legal acts relating to business, the procedure of court and company and SEBI, SEBI trade mark censurers, the responsibility of sellers extra.
6	Advertising	It gives theoretical knowledge about various management theories and organization structure and principal. It is help to understand investment market and various agencies associated with capital on stock market.

T.Y.B.COM(V&VI)

S.R.NO	SUBJECTS	OUTCOMES
1	Commerce (V & VI)	Marketing-activities by company to promote selling f products or service, business promotion, focus on the application of marketing techniques & methods.
2	Financial Accounts	Compliance to deal with company final accounts as per provisions of company Act of 2013 and basic accounting knowledge to deal with merger and acquisition.
3	Cost Accounts	To Know the cost control through EOQ & calculation of cost of production and know the different costing methods and have to get idea about decision making by marginal costing and standard costing.
4	Taxation	Basic knowledge about canons of taxation - Direct & Indirect Practical knowledge about ascertainment of taxable income and tax procedures.
5	Export Marketing	It includes chapter having in details information about need of export marketing & what one agency documentations & procedure to be followed in business of export.
6	Business Economics	Explain the theories of international trade. Distinguish between various commercial policies adopted by various organizations in the world. Evaluate the balance of payments and the agreements of WTO. Illustrate the foreign exchange market.

Department of Accounting and Finance

Program Specific Outcomes

- PSO1 Understand the concept, development of experimental and analytical skills, developing the aptitude for academic and professional skills, acquiring basic concepts and understanding of hyphenated techniques, understanding the fundamental Accounting & Finance processes and rationale towards application of Accounting & Finance knowledge are among such important aspects.
- PSO2 Acquire the knowledge, skill in different areas of communication, decision making, innovations and problem solving in financial and business activities.
- PSO3 Get platform to pursue professional courses such as Chartered Accountants, Cost and Management Accountant, MBA, etc.
- PSO4 To do their higher education and can make research in the field of accountancy and Finance.
- PSO5 To develop ICT skill and knowledge among learners in applications of internet in education leads to benefit in e-Governance.
- PSO6 Update the knowledge about the business law, taxation law corporate law and industrial law.

F.Y.BAF(SEM I)

Sr.no	subjects	outcomes
1	Business Communication I	Demonstrate the outline theory of business communication. Analyze formal and informal communication present and business organization. Examine methods of communication and identify different barriers to successful communication. Formulate various types of commercial letters effectively.
2	Cost Accounting I	Describe the various concepts of cost, costing and cost accounting. Calculate stock levels, economic order quantity and prepare stock ledger. Evaluate different techniques of calculating employee cost and measurement of direct expenses. Discuss the various concepts and methods of allocation, apportionment and absorption methods of overheads and calculate overhead rate.
3	Commerce I	Describe the business and business environment. Describe the business ethics and demonstrate the knowledge of MSMED. Explain corporate social responsibility and social audit and various aspects of consumer protection law. Evaluate different strategies for setting up

			the business at global level under an international business environment.
4	Economics –I		Define the concepts related to business and its application. Illustrate the fundamentals of demand and supply. Make use of various production techniques to understand the functioning of productive units in the economy. Compose various cost and pricing methods used in the market by the firms. Interpret different types of market structure in the economy.
5	Financial Accounting I		Describe The concept of receipt and expenditure and prepare the final account of manufacturing concern. Discuss the Concept of Accounting Standards and Explain AS1 and AS2 and its applicability. Demonstrate comprehensive knowledge of hire purchase system and compute interest and prepare the accounting entries Classify the Income and expenses and calculate the various ratios and prepare the Departmental Final account.
6	Financial Management I		Explain the various aspects of Financial Management and to describe types of finance. Explain how operating leverage contributes to a firm's business risk and apply financial leverage to form long term financial policies for business. Calculate time value of money Define and measure the cost of capital and calculate WACC
7	Foundation Course I		Summarize overview of Indian Society. Identify various forms of Disparity in Society. Explain Constitutional Values and Democratic Principles. Discuss various aspects of Indian Political Process.

SEM(II)

SR.NO	SUBJECTS	OUTCOMES
1	Business Communication II	Identify different types of interviews organized in the commercial world. Construct business letters effectively. Analyze the mechanism of meetings, conferences and its application in the business world. Develop effective presentation skills necessary in the corporate world.
2	Innovative Financial Services	Describe the role and functions of financial services, factoring, forfaiting and bill discounting. Explain the knowledge of various intermediaries such as merchant

		bankers, underwriters, stock brokers and securitization. Explain consumer finance, credit ratings and types of plastic money and its growth. Develop the knowledge of financial services such as lease and hire purchase, housing finance and venture capital and its mechanism.
3	Business Mathematics	Demonstrate concept of shares and mutual funds. Apply various formulas for simple and compound interest, EMI's, Functions and their applications. Solve various problems of derivatives and apply optimization technique in economic. Evaluate matrix operations and determinants of a matrix.
4	Financial Accounting II	Discuss various aspects of fire insurance claim and compute amount of claim for loss of stock and profit. Discuss the various aspects of the consignment account and calculate commission's normal loss, Abnormal losses and prepare accounting for consignment account. Classify the branches and prepare branch account under different method. Prepare the final Account of Proprietary trading concern from incomplete records.
5	Auditing-I	Define auditing and discuss principles of audit, types of audit errors and frauds and other concepts of auditing. Describe audit planning, audit programmed, audit working papers and audit note book. Define internal audit, its objectives, scope, principles, and usefulness and distinguish between internal audit and statutory audit. Explain and evaluate audit techniques.
6	Business Law I	Define various components under Law of Contract, Sale of Goods Act, Negotiable Instrument Act and Consumer Protection Act. Describe various components of Negotiable Instrument and its uses in financial transactions. Demonstrate the knowledge of Consumer Protection Council, Consumer Dispute Redressal Agencies. Demonstrate the comprehensive knowledge of Indian Contract Act and draft legal agreement & MOU.
7	Foundation Course II	Describe the concept of Globalization and its impact on Indian Society. CO2 Classify various human rights and its journey of evolution. Explain Concept of Stress,

			Conflicts and Managing Stress and Conflicts in Contemporary Society. Discuss concepts of Ecology, Sustainable Development and different causes of Environmental degradation.

S.Y.BAF(Semi III)

SR.NO	SUBJECTS	OUTCOMES
1	Foundation course III	Outline Indian Financial System. Summarize financial market system. Explain different types of financial instruments. Evaluate different financial services
3	IT in Accountancy I	Describe history and parts of computers and demonstrate the knowledge of hardware, software and networks. Describe various emerging technologies in the world of technology. Apply and demonstrate the knowledge of office productivity tools for drafting, data processing and presentation Make use of E-commerce & M-commerce in personal and professional life & analyze the impact of e-commerce and m-commerce for developing business models & strategies.
4	Financial Accounting III	Demonstrate the effects on financial statements in case of admission, retirement and death of a partner during the year. Describe the concept of profit prior to incorporation and calculate the different ratios for determining the profit/loss for pre and post-incorporation period. Calculate purchase consideration and evaluate the effect of amalgamation/conversion in the Balance Sheet. Prepare and evaluate a statement of piecemeal distribution of cash under different methods.
5	Taxation II	Define and describe concepts of income tax. Determine the residential status of different persons. Identify and apply the assesses eligible for deduction for deduction under chapter VI A. Compute income chargeable to tax under the various heads of income
6	Business Economics II	Understand the basic of national income accounting. Understand the cause and consequence of business cycle. Understand the role of fiscal and monetary policy. Understand the Macro & Micro concepts of economics.

| 7 | Cost Accounting | Describe process cost account and treatment of Normal loss, Abnormal loss and gain in the preparation of process cost accounting. Identify total cost of join product and by product apply method of apportionment of join cost to join product and by product Classify different types of cost and determine the total cost of the product. Compute notional or estimates profit for contract |
| 8 | Business Law-II | Describe various forms of IPR and provision of law with respect to registration of patent, copyright, trade mark. Demonstrate the various provisions of limited liability partnership act 2008. Acquaint knowledge of various acts of industries. Design partnership deed as per partnership act 1932. |

S.Y.BAF(SemVI)

SR.NO	SUBJECTS	OUTCOMES
1	Information Technology in Accountancy- II	Describe IT and Business Process Management. Demonstrate the knowledge of IT in auditing and information systems. Make use of accounting software for recording the accounting transactions. Prepare MIS Reports under Computerized Environment . Design the Computerized Accounting system. Develop the knowledge of business Analytics. And financial Analytics.
2	Financial Accounting IV	Describe various provisions of redemption of preference shares as per Companies Act, 2013. Determines the underwriter's liability. Calculate the maximum permissible limit of buyback of equity shares. Determine different methods of redemption of debentures as per the provisions of the Companies Act, 2013. Build the final accounts of companies .
3	Taxation III	Describe the various provisions of clubbing of income and set off and carry forward losses as per income tax act. Compute taxable income of partnership firm . Demonstrate the knowledge of return of income and self-assessments .Examine and compute TDs and interest payable as per provision of income tax . Assess the file of income tax return for individual/HUF and partnership firms.

			Estimate the advance tax liability of the assesses.
4	Business Law III		Define various concepts of the Companies Act, 2013.Demonstrates the various provisions of the Insolvency and Bankruptcy Code, 2016. Evaluate the various provisions of the Companies Act, 2013. Elaborate the constitution of the National Company Law Tribunal.
5	Management Accounting		After completing the Program me in B. Com. Accounting and Finance, Student will able to: Describe the comprehensive knowledge of management accounting .Prepare cash budget and cash flow statement . Analyze and interpret the financial statements by using different accounting technique
6	Foundation Course IV		Describe basic management concepts . Apply the concept of planning and organizing . Classify the procedure of staffing Elaborate importance and principles of directing, motivation, coordination, and controlling.
7	Research Methodology in Accounting and Finance		Describe various aspects of research methodology .Demonstrate the research design in accounting and finance .Make use of various aspects of data collection and processing .Analyze various statistical tools for testing the hypothesis, Develop research report writing skills.

T.Y.BAF (SEM V)

SR.NO	SUBJECTS	OUTCOMES

1	FINANCIAL ACCOUNTING V	Develop and understand the nature and purpose of financial statements in relationship to decision making. • Develop the ability to use the fundamental accounting equation to analyze the effect of business transactions on an organization's accounting records and financial statements. • Develop the ability to use a basic accounting system to create (record, classify, and summarize) the data needed to solve a variety of business problems. • Develop the ability to use accounting concepts, principles, and frameworks to analyze and effectively communicate information to a variety of audiences. • Develop the ability to interact well with team members.
2	FINANCIAL ACCOUNTING VI	To create competent business professionals in the field of Accounting and Finance who will be innovative and resourceful. • Develop the ability to use a basic accounting system to create (record, classify, and summarize) the data needed to solve a variety of business problems. • Develop the ability to interact well with team members.
3	TAXIATION III	Understand the basic principles underlying the Income Tax Act and Wealth Tax Act • Compute the taxable income of an assesses • Analyze the assessment procedure and representation before appropriate authorities under the law • Apply the Generally Accepted Cost Accounting Principles and Techniques for determination of arm's length price for domestic and international transactions
4	FINACIAL MANAGEMENT II	Provide the learner with an in-depth understanding of the link between company decision-making and the operation of capital markets • Ensure the learner understands and appreciates the strong linkages between finance and globalization • Demonstrate the importance of working capital management and the tools to manage it • Help the learner to explore the financial environment in which firms and managers must operate.
5	MANAGEMENT APPLICATIONS	Concepts of marketing with reference to 4 P's Product, Price, Place and Promotion and its application in business. • Discuss concepts of production management and

		elaborate importance of productivity and quality management • Discuss short term and long term sources of finance • Examine developments in Capital market and its reforms and developments. • Concept of Venture Capital and introduce importance of DEMAT account, Futures and Options.
6	COST ACCOUNTING	Understand cost accounting knowledge, such as terminology, fundamental principles, classifications, generalizations and methods. Based on the results of the solutions to the problems. • Apply course material to new situations. • Solve problems and make decisions

T.Y.BAF (SEMVI)

SR.NO	SUBJECTS	OUTCOMES
1	TAXATION IV	GST is an indirect tax. It will be levied on manufacture, sale and consumption of goods and services. • After introduction of GST all other Indirect taxes such as VAT, Service Tax etc. are abolished. The entire system of taxation has become very simpler now. • Analyze the taxation of investments as relevant to the needs and circumstances of individuals and trusts • Apply the knowledge of personal taxation to the provision of investment advice
2	FINANANCIAL ACCOUNTIN VII	Describe the roles of the key financial statements (statement of financial position, statement of comprehensive income, statement of changes in equity, and statement of cash flows) in evaluating a company's performance and financial position; • Describe the objective of audits of financial statements, the types of audit reports, and the importance of effective internal controls; • Describe the steps in the financial statement analysis framework.
3	COST ACCOUNTING VIII	Understand cost accounting knowledge, such as terminology, fundamental principles, classifications, generalizations and methods. Based on the results of the solutions to the problems. • Apply course material to new situations. • Solve problems and make decisions

4	**ECONOMICS-III**	**Students will learn how markets organize core economic activities, such as production, distribution, and consumption, and the growth of productive resources. • Students will learn about the determinants of macroeconomic conditions (national output, employment, and inflation), causes of business cycles, and interactions of monetary and fiscal policy. • Students will learn to apply economic theories and methodologies in analyzing economic issues in various sub-fields of applied microeconomics and international economics. • Quantitative analytical skills: collect and analyze data to support economic decision making using statistical and econometric techniques.**
5	**FINANCIALMANAGEMENT III**	**Provide the learner with an in-depth understanding of the link between company decision-making and the operation of capital markets • Ensure the learner understands and appreciates the strong linkages between finance and globalization • Demonstrate the importance of working capital management and the tools to manage it • Help the learner to explore the financial environment in which firms and managers must operate.**
6	**PROJECT WORK**	**Students will acquire the ability to make links across different areas of knowledge and to generate, develop and evaluate ideas and information so as to apply these skills to the project task. ... Students will acquire collaborative skills through working in a team to achieve common goals. • Students will acquire the skills to communicate effectively and to present ideas clearly and coherently to specific audience in both the written and oral forms. • Students will be able to learn on their own, reflect on their learning and take appropriate actions to improve it.**

		4. Understand the Chi-Square Test.
		5. Understand Curve Fitting and the Method of Least, Squares, Correlation Theory.
9	Software Engineering	1. Understand basic concepts of software engineering.
		2. Understand the concept of SDLC.
		3. Compare different software engineering process models.
		4. Learn various UML diagrams, CMM model.
		5. Learn to Apply different testing techniques.
10	Computer Graphics and Animation	1. Students will learn various Computer Graphics display technologies.
		2. Students will learn the basic output primitive drawing algorithms along with 2D and 3D transformation concepts to display the objects.
		3. Students will learn to apply the polygon filling algorithms to fill polygons with required color.
		4. Students will learn to Apply the Line clipping and Polygon Clipping techniques.
		5. Learn types of projection, concept of Bezier curve, Bassline curve, Types of images. 6. Understand the concept of Animation.

T.Y.BSC IT (SEM V&VI)

SR NO	SUBJECTS	OUTCOMES
1	Software Project Management	1. Learn the concept of Project Planning.
		2. Students will learn Project Evaluation and Programme Management.
		3. Students will learn Selection of an Appropriate Project Approach.
		4. Students will understand concept of Risk Management ,Monitoring and Control.
		5. Understand concept of Software Quality, Testing, Software Reliability, Quality Plans.
2	Internet of Things	1. Students will understand the concepts of IP, TCP, The IP Protocol Suite (TCP/IP), UDP
		2. Students will learn IP Addresses, DNS, Static IP Address Assignment, Dynamic IP Address

Department of Information and Technology
Program me specifics outcomes

IT sector revolves around main aspects such as – networks, OS, relevant software, database management, data sets, hardware, programming, information security etc.

• IT is a broad field which consists of different types of sub-branches such as – information security, DBMS, IT project management, IT system maintenance, hardware and networking etc.

• B.Sc. IT program does deal with these sub-branches. But if you want to specialize in one such sub-branch, you may rely on relevant M.Sc., PG Diploma or PG Certificate program.

• IT sector has applications in different domains. Some such domains include – banking, E-Commerce, entertainment, governance, healthcare, business etc.

• The job opportunities are available after completion of B.Sc. IT are more in both the sectors, in government and MNCs.

F.Y.BSC IT (SEM I)

Sr no.	Subjects	outcomes
1	Imperative Programming	1. Understand the fundamentals of Imperative programming. 2. Students will learn the concepts of loops and decision making statements to solve the problem. 3. Students will learn to Implement different Operations on arrays. 4. Students will learn to Use functions to solve the given problem. 5. Understand pointers, structures and unions. 6. Understand various file Operations.
2	Digital Electronics	1. Students will Understand different Number systems, Codes, Logic Gates, Boolean laws &theorems. 2. Understand the Boolean functions.

		3. Students will learn to Design & implement different types of combinational logic circuits using Logic gates. 4. Students will learn to Design & implement different types of sequential logic circuits using Flip Flops. 5. Students will learn to Design & implement different types of Counters, multiplexer, demultiplexer.
3	Operating Systems	1. Understand the functionalities of an Operating System and the concept of process. 2. Students will learn to Apply CPU Scheduling algorithms. 3. Understand different problems related to process synchronization. 4. Students will learn to Apply deadlock prevention and deadlock detection algorithms. 5. Understand the concepts of paging and segmentation for memory management. 6. Understand different page replacement algorithms 7. Understand different disk space allocation methods and free space management techniques.
4	Discrete Mathematics	1. Students will learn toApply sets, relations and digraphs to solve applied problems. 2. Students will learn to Analyze the statements presented in DNF and determine their validity. 3. Students will learn to Examine the validity of argument by using propositional and predicate calculus. 4. Students will learn to Apply basic counting techniques to solve the combinatorial problems. 5. Understand the basic concepts of graph theory and some related theoretical problems.
5	Communication Skills	1. The Students will learn toe Seven Cs of Effective Communication. 2. Understand Types of Communication. 3. Students will learn to Write Business Messages and Documents. 4. Understand Oral Communication Skills for Business. 5. Understand Presentation Process.

F.Y.BSC IT (SEM II)

SR.NO	SUBJECTS	OUTCOMES
1	Microprocessor Architecture	1. Understand the concept of Microprocessor, microcomputers, and Assembly Language. 2. Understand 8085 Microprocessor Architecture and Memory Interface. 3. Learn Interfacing of I/O Devices. 4. Learn Programming Techniques With Additional Instruction. 5. Understand Code Conversion, BCD Arithmetic, and 16-Bit Data Operations. 6. Understand Pentium and Pentium Pro microprocessors.
2	Web Programming	1. Students will learn Internet and the World Wide Web. 2. students will understand concept of HTML5 Tables, Forms and Media. 3. Students will learn Client-Side JavaScript, Server-Side JavaScript, JavaScript Objects, JavaScript Security. 4. Students will learn Advanced PHP and MySQL.
3	Numerical and Statistical Methods	1. Students will Understand Mathematical Modeling and Engineering Problem Solving. 2.Students will Understand Solution of simultaneous algebraic equations (linear) using iterative methods 3. Students will Learn Solutions of Algebraic and Transcendental Equations 4. Students will Understand Least-Squares Regression and Random variables.
4	Green Computing	1. The students will understand what Green IT is and how it can help improve environmental Sustainability. 2. Students will understand the principles and practices of Green IT. 3. students will understand how Green IT is adopted or deployed in enterprises. 4. understand how data centers, cloud computing, storage systems, software and networks can be made greener. 5.Learn the importance of Paperless Billing.

S.Y.BSC.IT (SEM III&IV)

SR.NO	SUBJECTS	OUTCOMES
1	Python Programming	1. Students will learn Basics of Python programming. 2. Understand Decision Making and Functions in Python. 3. Understand Object Oriented Programming using Python. 4. Understand File Handling in Python. 5. Learn GUI Programming and Databases operations in Python.
2	Data Structures	1. students will learn the fundamental concepts of Data structures, space complexity and time complexity. 2. Learn to Design linear data structures stacks, queues and linked lists. 3. Design non linear data structures trees and Graphs, and implement their operations. 4. Apply appropriate data structure for a given application. 5. Implement different searching and sorting techniques.
3	Computer Networks	1. Understand various standard network models. 2. Understand various guided transmission media. 3. Learn the concept of error detection and error correction codes. 4. Understand the concepts behind medium access control sub layer. 5. Implement and analyse routing and congestion issues in network design. 6. Analyse the underlying protocols in transport layer. 7. Identify different applications in Application layer.
4	Database Management Systems	1. Understand DBMS concepts, data models and Architecture. 2. Use SQL for database management. 3. Understand ER concepts and ER mapping to relational model 4. Apply the concepts of relational algebra and calculus. 5. Apply normalization process to construct the data base. 6. Understand Concurrency and rec.

5	Applied Mathematics	1. Students will Learn the concept of Matrices ,Complex Numbers. 2. Students will Learn the concept of Differential equation of the first order of a degree higher than the first. 3. learn to apply Linear Differential Equations with Constant Coefficients. 4. students will understand Laplace Transform and Inverse Laplace Transform. 5. Understand Beta and Gamma Functions.
6	Core java	1. Students will learn the fundamental concepts and features of Java Programming language. 2. Implement the basic principles of Object Oriented Programming which includes inheritance, polymorphism, encapsulation and abstraction and also Arrays, data and Text File Operations. 3. Students will learn to Develop Graphical User Interface applications and Web based applications in Java by importing applet, AWT and SWING packages. 4. Students will Implement the role of XML for the management and delivery of electronic information for given application. 5. Develop Web based applications by Servlets and JSP to have an interactive application such as Client Server Architecture.
7	Introduction to Embedded Systems	1. Students will learn the concepts and architecture of embedded systems. 2. Understand the basics of microcontroller 8051. 3. Learn the concepts of microcontroller interface. 4. Learn the concepts of ARM architecture. 5. Learn the concepts of Realtime operating system. 6. Understand Different design platforms used for an embedded systems application.
8	Computer Oriented Statistical Techniques	1. Understand the Mean, Median, Mode, and Other Measures of Central Tendency. 2. Understand Moments, Skewness, and Kurtosis. 3. Understand Statistical Estimation Theory and Statistical Decision Theory.

		Assignment, IPv6, MAC Addresses, TCP and UDP Ports. 3. Students will Learn the concept of Prototyping the Physical Design and Prototyping Embedded Devices. 4. Students will Learn various Business Models. 5. Students will Understand Characterizing the Internet of Things, Privacy, Control, Disrupting Control, Crowdsourcing, Environment, Physical Thing, Electronics, Internet Service.
3	Advanced Web Programming	1. Students will understand the concepts of .NET, CLR, Objects, and Namespaces. 2. Students will learn the concepts of Web Form Fundamentals. 3. Students will learn the concepts of Understand Error Handling, Logging, and Tracing 4. Students will learn the concepts of Understand Styles, Themes, and Master Pages 5. Students will Learn ADO.NET Fundamentals. 6. Students will Understand the concepts of XML, ASP.NET AJAX.
4	Artificial Intelligence	1. Make use of administrative level commands for user and storage management and Networking. 2. Construct the firewall rules for securing server with iptables and setup cryptographic services on Linux machine. 3. Create the configuration for different types of servers. 4. Develop shell scripting programs on Linux platform.
5	Enterprise Java	1. Students will Understand the concepts of Java EE Architecture, Server and Containers. 2. Students will learn to Work with Servlets, 3. Servlet API and Lifecycle and Databases 4. Understand Request Dispatcher, COOKIES, SESSION, Working with Non-Blocking I/O 5. Understand the concepts of Java Server Pages, Implicit Objects, Scope and El Expressions 6. Understand the concepts of Session Beans, Message Driven Beans. 7. Learn the concepts of Persistence, Object/Relational Mapping And JPA.
6	Software Quality Assurance	1. Students will learn Introduction, Constraints of Software Product Quality Assessment 2. Students will learn Fundamentals of testing, Unit Testing, Boundary Value Testing

			3. Students will understand the concepts of Software Verification and Validation. 4. Students will understand Different Levels of Testing.
7		Security in Computing	1. Understand Security Overview, risk Analysis, Secure Design Principles, Authentication, Authorization Encryption 2. Understand Storage Security Database Security, Secure Network Design, Network Device Security: 3. Understand the concept of Firewalls 4. Students will Learn Wireless Network Security Intrusion Detection and Prevention Systems 5. Students will Learn various Operating System Security Models
8		Business Intelligence	1. Students will learn the concept of data Mining as an important tool for enterprise data management and as a cutting edge technology for building competitive advantage. 2. Students will learn to effectively identify sources of data and process it for data mining 3. Students will learn data mining algorithms, methods, and tools. 4. Students will learn how to gather and analyze large sets of data to gain useful business understanding. 5. Students will learn to impart skills that can enable students to approach business problems analytically by identifying opportunities to derive business value from data. 6. Students will learn to identify and compare the performance of business.
9		Principles of Geographic Information Systems	1.Define Importance of GIS and its use in representation of the real world. 2.Explain data capture, storage, analysis, and output in a GIS. 3.Elaborate Map scale, projection and coordinate systems in GIS. 4.Explain Spatial data analysis and Data visualization.
10		IT Service Management	1.Define basic concepts of IT Service management and service life cycle. 2.Explain Service Strategy, Service Design and its Principles. 3. Elaborate Service Transition and Service Operation in detail. 4. Explain CSI Model and Responsibility Model for Continual Service Improvement.

GOODWILL INTERNATIONAL FOUNDATION'S

Shree Jaya Anand Commerce & Science Senior College (Night)

G. B. Road, Beside Kumbla Hospital, Charai, Thane (W)-400 601.

College Code - 175

Date: - 30st July, 2022

NOTICE

FY ORIENTATION PROGRAM

This is hereby to inform all the FYBCOM, **FYBAF, FYB.SC(IT)** students enrolled in Semester-1 of Three Years Undergraduate Programme for the academic year 2022-23 that the **Orientation Programme will be held on Thursday, 4th August, 2022 at 5:00 p.m. to 6:30 p.m. in Dagadi School building (Hall).**

Students, please bring your Aadhar Card copy and one passport size photo for ID card.

Thank You,

Regards

Mrs.Pranali Patade

(I/C PRINCIPAL)

Date: - 30ˢᵗ July, 2022

Flow of Chart – Orientation Program

Sr. No.	Flow Content	Teachers Name	Teachers Sign
1	Welcome Speech	Mrs. Mithila Khadapkar	
2	PPT Presentation / Guidance	Mrs. Pranali Patade	
3	NSS Guidance	Ms. Nelofer Belwade	
4	Vote of Thanks	Mrs. Neha Shaikh	
5	Attendance Record	All Class Teachers	
6	Report	Mrs. Reshma	

Mrs.Pranali Patade

(I/C PRINCIPAL)

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College Code - 175

Date: - 30st July, 2020

NOTICE

FY ORIENTATION PROGRAM

This is hereby to inform all the FYBCOM, **FYBAF, FYB.SC(IT)** students enrolled in Semester-1 of Three Years Undergraduate Programme for the academic year 2020-21 that the **Orientation Programme will be held on Tuesday, 1st September, 2020 at 5:00 p.m. to 6:00 p.m. through online mode.**

Students, please send your Aadhar Card copy and one passport size photo for ID card on college mobile number or email ID: Shreejayaanandsrclg@gmail.com

Thank You,

Regards

Mrs.Pratibha Kambli

(I/C PRINCIPAL)