

SAS SNDP YOGAM COLLEGE, KONNI

COURSE OUTCOME

OUTCOMES OF THE COURSES OFFERED BY THE DEPARTMENT OF BUSINESS ADMINISTRATION

SEMESTER	COURSE CODE	COURSE NAME	COURSE OUTCOME
CORE MANAGEMENT			
I	BA1CRT01	Principles and Methodology of Management	The BBA students can get the basic foundation for management studies, which offers a methodological perspective about this subject
	BA1CRT02	Business Accounting	To familiarize the students about the system of accounting
II	BA2CRT06	Cost and Management Accounting	To equip the students about the Cost Accounting, Management Accounting, Financial Accounting
	BA2CRT07	Business Communication	Students can understand the various means/ media of communication
III	BA2CRT11	Human Resource Management	Students can get the knowledge about personnel department, manpower planning, and different service related matters in the organization
	BA3CRT12	Marketing Management	To provide the students with a conceptual base on Marketing Management and to equip them with the necessary skills for employment
	BA3CRT13	Research Methodology	To make the students aware about research methods, criteria, research design for conducting a perfect project
	BA3PRP15	Personality Development and Management Skills(Minor Project)	To give the students an opportunity to explore current Management literature to develop an individual style and sharpen his skills in the area of leadership, communication, decision making, motivation and conflict management. Minor project and presentation gives the students an added knowledge about the specific project

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATTANAM



IV	BA4CRT16	Financial Management	To familiarize the students about the finance functions, sources of finance, working capital management, financing decisions and dividend decisions
	BA4CRT17	Managerial Economics	To understand basics of Managerial Economics, Business cycle, Demand analysis, Production Function, Market structure, monopoly etc
	BA4CRT18	Entrepreneurship	Students can get a clear understanding about Entrepreneurs, small businesses, Problems of entrepreneurs etc
V	BA5CRT21	Organization Behaviour	An awareness created among students how to manage conflict amongst groups in business environment,comprehend and apply motivational theories in the workplace
	BA5CRT23	Environment Science and Human rights	To enhance the students about the knowledge of multidisciplinary nature of environmental studies, biodiversity and its conservation, Social issues and the environment and green entrepreneurship
	BA5CRT25	Operations Management	Provide an in-depth knowledge about production functions, planning and control, materials management, work improvement and quality control
	BA5CRT26	Industrial Relations	Students can acquire knowledge about the relations between labor and management in an industry,various prospects of workers and employers,bargaining agents,industrial unrest,settlement of industrial disputes, and promotion of industrial peace
VI	BA60CT27	Healthcare Management	To create awareness among the students in healthcare, to enhance knowledge in healthcare industry, to familiarize the students about the various services and office management
	BA60CT28	Advertising and Salesmanship	To orient students in marketing management, encourage entrepreneurial skills, and to meet the demand of the various industrial sectors
	BA60CT29	Strategic Management	To enable the students to acquire basic ideas about corporate strategy, corporate policy and planning in India, business strategy, strategy


 PRINCIPAL
 SAS SINDR YOGAM COLLEGE
 KONYI. PATHANANTHITTA



VI

			formulation, diversification, mergers and acquisitions, evaluation and control of strategies
	BA6CRT30	Communication Skills and Personality Development	To equip the students with speeches and presentation, brief business messages ,employment messages and job interviews ,group discussion in an organization
	BA6PRP31	Management Project	To give an idea to students about the functions and operations of an organization and providing one month internship in companies.

COMPLEMENTARY MANAGEMENT

I	BA1CMT03	Fundamentals of Business Mathematics	Students can develop analytical and critical thinking skills to prepare logically analyze and critically evaluate problem situation through basic mathematics and to know about modern trends in mathematics and prepare them for management studies.
	BA1CMT04	Fundamentals of Business Statistics	To provide students reasonable ideas of basic statistical methods needed for a statistical investigation and forecasting, to organize a statistical survey.
II	BA2CMT08	Mathematics for Management	Student can be able to analyze managerial problems in the light of mathematics and solving such situations, can know about problems in industry and management and to learn how to solve the problems.
	BA2CMT09	Statistics for Management	Students can get a general outlook of certain statistical test which is useful for researchers in various fields.
III	BA3CMT14	Business Laws	To familiars the management students about the principles behind contract law and to introduce various type of special contract.
IV	BA4CMT19	Basic Informatics for Management	To make students competent to handle and scientifically analyze the various aspects of business while commencing a business, to become computer proficient, to get enough knowledge computerized accounting.
	BA4CMT20	Corporate Laws	To provide students a general awareness about the principles behind the companies and partnership and to clarify the basic principles of partnership laws.
V	BA5CMT24	Intellectual Property Rights and Industrial Laws	To create an awareness among the students about the principles behind intellectual property legislation and three important industrial laws.

OUTCOMES OF THE COURSES OFFERED BY THE DEPARTMENT OF MATHEMATICS

SAS SINDAPURAM COLLEGE
KONNIL PATHAMES



CORE MATHEMATICS

Semester	Course Code	Course Name	Course Outcomes
Semester 1	MMICRTOI	Foundation of Mathematics	<ol style="list-style-type: none"> 1) Understanding the concepts of sets, Functions and Relations 2) Understanding some Applications of Number Theory 3) Understand the way in which a mathematical formally makes statement and proves or disprove it.
Semester 2	MM2CRTOI	Analytic Geometry, Trigonometry and Differential calculus	<ol style="list-style-type: none"> 1) Give the instruction of Conic section 2) Understanding the polar equations of a line, circle, conic, tangents and normal, chords of conic section 3) Familiar with circular and hyperbolic functions of the complex variables, 4) summation of infinite series 5) Understanding higher order derivatives
Semester 3	MM3CRTOI	Calculus	<ol style="list-style-type: none"> 1) Got a concrete idea about Differential calculus, Partial differential equations and its Applications 2) Finding the area and volume using cross-section by the method of integration 3) Familiar with basics of calculus using multiple integrals.
Semester 4	MM4CRTOI	Vector Calculus Theory of numbers and Laplace Transform	<ol style="list-style-type: none"> 1) Understand the fundamental Facts in Elementary Number Theory 2) Familiar with the basics of calculus of Vector Valued Functions and multiple integrals. 3) Got the basics of Laplace Transform such as a ordinary differential equations in to algebraic equations
Semester 5	MM5CRTOI	Mathematical Analysis	<ol style="list-style-type: none"> 1) Understand basic concepts of Mathematical Analysis 2) Familiar with of limits of sequences, functions and related theorem such as differentiation, and integration and

PRINCIPAL
 SAS SNDP YOGAM COLLEGE
 HONNI, PATAHANAMTHITTA



			convergence of series.
	MM5CRT02	Differential equations	<ol style="list-style-type: none"> 1) Got an idea about how differentiation equations arise in various physical problems 2) Solve the second order differential equations 3) Understanding power series solutions and special functions 4) Understanding the method solutions of partial differential equations
	MM5CRT03	Abstract algebra	<ol style="list-style-type: none"> 1) A very strong foundation in the theory of groups. 2) understand the concept of classifying groups based on fundamental theorem 3) Familiar with higher algebraic structure & rings. 4) By numerous examples got a strong foundation on Rings and Fields.
	MM5CRT04	Human rights and mathematics for environment studies	<ol style="list-style-type: none"> 1) encourage students to research how and why things happens , and make their own decision about complex environmental issues 2) It helps the students can take action to keep our environment healthy and sustainable for future 3) Familiar with the fundamental rights
	Open course	Applicable mathematics	<ol style="list-style-type: none"> 1) understand the fundamentals of Algebra 2) simple rules of differentiation 3) Applications of trigonometry 4) Make the student to perform basics computations of mathematics to perform various competitive examinations
Semester 6	MM6CR01	Real analysis	<ol style="list-style-type: none"> 1) understand the ideal of Sequences of real number and concept of infinite summation on a formal manner 2) understand the concept of Continuity, existence of derivatives and


 PRINCIPAL
 SAS SINDIPUR COLLEGE
 KONNI, PATHANAMTHITTA



			integrability
	MM6CRT02	Graph theory and metric spaces	<ol style="list-style-type: none"> 1) Aware of some of the fundamental Concept in Graph theory 2) Develop the better understanding of the subject so as to use these clear skillfully in solving real cord problems. 3) Got clear of metric spaces
	MM6CRT03	Complex Analysis	<ol style="list-style-type: none"> 1) understand base complex function theory 2) Familiar with complex integration 3) Familiar with powers series representation of Analytic function 4) understand Residue theorem and how it is used to solve real improper integrals
	MM6CRT04	Linear algebra	<ol style="list-style-type: none"> 1) understand the concept of vector spaces. 2) Real matrices and linear transformation, compute Eigen values and Eigen vectors linear transformation
	MM6CBTO1	Operations research	<ol style="list-style-type: none"> 1) understand the idea behind Formulation of linear programming models 2) understand Transportation problem and Assignment problem 3) Familiar with game theory.
	MR6PRPO1	Project	<ol style="list-style-type: none"> 1) Comprehensive Viva 2) Recognize the importance of planning and preparing required to undertake a research project 3) Developing a thorough understanding of the chosen subject area 4) Demonstrating the ability to collate and critically interpret and assess data


 PRINCIPAL
 SAS BMDP YOGAM COLLEGE
 KOHMI, PATTANAMTHITTA



			that covers different areas of physics .
Semester 3	PH3CMT01	MODERN PHYSICS AND ELECTRONICS	It gives better understanding the conversion of classical physics to Quantum mechanics and also gives idea the electronic circuits, gates and number system conversion
Semester 4	PH4CMT01	OPTICS AND ELECTRICITY	Helps to know about the properties of lights like interference, diffraction, polarization etc and second part gives the basic functions and properties of electrical circuits.
Semester 3&4	PH4CMP02	Complementary physics practical 2	Advanced level of practical's teaches them how to approach systematically to an experiment and reduce the errors.

OUTCOMES OF THE COURSES OFFERED BY THE DEPARTMENT OF BCA (2017 Admission onwards)

Semester	Course Code	Course Name	Course Outcome
		English-I	
		Mathematics	
		Basic Statistics	
1	CA1CRT01	Computer Fundamentals and Digital Principles	<p>This course designed to learn the Fundamental components used in a Digital Computer which is essential for the programme. After Completion of the subject student should able to</p> <ol style="list-style-type: none"> 1. Identify the logic gates and their functionality 2. Perform Number Conversions from one System to another System 3. Design basic electronic Circuits (combinational circuits) 4. Understand the Construction of Memory 5. Students can recognize the basic terminology in computer functioning as a digital device.
	CA1CRT02	Methodology of Programming and C Language	<p>This course designed to develop a strong foundation for the fundamental principles of Problem-solving using computers.</p> <p>At the end of the course student will be able to:</p> <ol style="list-style-type: none"> 1. Explain the fundamental process of problem solving using computers 2. Design algorithmic solutions for simple computing problems 3. Write reliable C programs for given algorithms.

(Handwritten Signature)
 PRINCIPAL
 SAS BNDP YOGAM COLLEGE
 KONHI, PATHANAMTHITTA




Complementary course Statistics

Semester	Course code	Course Name	Course Outcomes
Semester 1	STICMTO1	Descriptive statistics	<ol style="list-style-type: none"> 1) It helps to present quantitative descriptions in a manageable form. 2) It also help them to simplify large amount of data in a sensible way
Semester 2	STICMTO2	Probability theory	<ol style="list-style-type: none"> 1) Got the information about the probability theory 2) It provides information about the likelihood that something will happen
Semester 3	STICMTO3	Probability distribution	<ol style="list-style-type: none"> 1) Got the idea of producing data 2) Exploratory data Analysis
Semester 4	STICMTO3	Statistical inference	<ol style="list-style-type: none"> 1) Understanding the process of analyzing the result and making conclusion 2) Got the idea about the application of hypothesis testing and confidence intervals

Complementary course Physics

Semester	Course code	Course Name	Course Outcomes
Semester 1	PH1CMT01	PROPERTIES OF MATTER AND ERROR ANALYSIS	To know the properties of the materials in different physical conditions and detection, minimize and estimation of errors in an experiment.
Semester 2	PH2CMT01	MECHANICS AND ASTROPHYSICS	To get a clear vision about the properties different motions, waves and oscillations and also gives an introduction to the outer space and stars
Semester 1&2	PH2CMT01	Complementary physics practical 1	Helps to improve the basic practical skills with the help of different types of particles


 PRINCIPAL
 SAS SNOOP YOGAM COLLEGE
 KONNI, PATHANAMBATTA



	CA1CRP01	SoftwareLabI(Core)	<p>On successful completion of the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Acquire logical thinking, Implement the algorithms and analyze their complexity, Identify the correct and efficient ways of solving problems 2. Implement real time applications using the power of C language features
		English-II	
		DiscreteMathematics	
	CA2CRT03	DataBaseManagement Systems	<p>Course designed to identify the basic concepts and various data model used in database design ER modelling concepts and architecture use and design queries using SQL.</p> <p>At the end of the course student will be able to:</p> <ol style="list-style-type: none"> 1. Can apply relational database theory and be able to describe relational algebra expression, tuple and domain relation expression from queries. 2. Can recognize and identify the use of normalization and functional dependency, indexing and hashing technique used in database design. 3. Can recognize/ identify the purpose of query processing and optimization and also demonstrate the basic of query evaluation.
	CA2CRT04	ComputerOrganizationand Architecture	<p>Course designed to discuss the Basic concepts and structure of computers.</p> <p>At the end of course</p> <ol style="list-style-type: none"> 1. Understand the theory and architecture of central processing unit. 2. Analyze some of the design issues in terms of speed, technology, cost, performance. 3. Learn the concepts of parallel processing, pipelining and inter processor communication. 4. Understand the architecture and functionality of central processing unit. 5. Exemplify in a better way the I/O and memory organization. 6. Define different number systems, binary addition and subtraction, 2's complement representation and operations with this representation
		Objectoriented programmingusingC++	<p>This course enables the students to know about OOPs concepts.</p> <p>After completion of the course, students will able to</p> <ol style="list-style-type: none"> 1. Understand OOPs Concept, C++ language features. 2. Able to Understanding and Applying various Datatypes, Operators,

II

PRINCIPAL
SAS SHUB YOGMA COLLEGE
KOTHYI, PATNAHANTHITTA

OFFICE OF THE
SAS SHUB YOGMA COLLEGE
KOTHYI, PATNAHANTHITTA

			<p>Conversions in program design. CO2:</p> <ol style="list-style-type: none"> 3. Able to Understand and Apply the concepts of Classes, objects, friend function, constructors & destructors in program design. 4. Able to Design & implement various forms of inheritance, String class, calling base class constructors. 5. Able to Apply & Analyze operator overloading, runtime polymorphism, Generic Programming. 6. Able to Analyze and explore various Stream classes, I/O operations and exception handling.
	CA2CRP02	SoftwareLab-II	After completion of the course, students will able to experience real time computation lab experience with object oriented programming concept through C++.End of the course students able to work with all OOPS concept.
		AdvancedStatistical Methods	
	CA3CRT06	ComputerGraphics	<p>This course provides an introduction to the principles of computer graphics. In particular, the course will consider methods for modeling 2-dimensional objects and efficiently generating photorealistic renderings on color raster graphics devices. The emphasis of the course will be placed on understanding how the various elements that underlie computer graphics (algebra, geometry, algorithms and data structures, optics, and photometry) interact in the design of graphics software systems.</p>
	CA3CRT07	MicroprocessorandPC Hardware	<p>This course is to discuss the evolution of processors and brief about the microprocessor based PC system.</p> <p>At the end of the course student can be</p> <ol style="list-style-type: none"> 1. able to tell the history of processor and will know the details of every blocks of microprocessor based PC model and 8086 processor
III		OperatingSystems	<p>At the end of this course, the learner should be able to:</p> <ol style="list-style-type: none"> 1. Describe and explain the concepts, structure and design of operating systems. Can able to describe the impact of operating system design on application system design and Performance. 2. Student can achieve competency in recognizing and using operating system features
		StructureusingC++	<p>At the end of this course, the learner should be able to:</p> <ol style="list-style-type: none"> 1. Students can understand different categories of data Structures.


 PRINCIPAL COLLEGE
 SAS BNDP YOCAM COGATA
 KONHI, PATHANAMTARA



			<ol style="list-style-type: none"> 2. They can Identify different parameters to analyze the performance of an algorithm. 3. Can design algorithms to perform operations with Linear and Nonlinear data structure. 4. Able to Choose appropriate data structures to solve real world problems efficiently
	CA3CRP03	SoftwareLabIII	<p>After completion of this course, student will be able to</p> <ol style="list-style-type: none"> 1. Identify importance of object oriented programming and difference between structured oriented and object oriented programming features. 2. Able to make use of objects and classes for developing programs. 3. Able to use various object oriented concepts to solve different problems.
		OperationalResearch	
	CA4CRT10	DesignandAnalysisof Algorithms	<p>Up on successful completion student can able to</p> <ol style="list-style-type: none"> 1. Explain the basic concepts of time and space complexity analysis of algorithms. 2. Can describe the techniques for designing efficient algorithms: divide-and-conquer, greedy and approximate algorithms, dynamic programming, amortized analysis, and computational geometry. 3. Student can solve a problem using an algorithm and can formulate the time-complexity analysis for an algorithm.
	CA4CRT11	System Analysis & Software Engineering	<p>At the end of the course student will possess the skills necessary to:</p> <ol style="list-style-type: none"> 1. Understand the principles of software engineering. Be able to create and use planning, requirements analysis, domain analysis and design artifacts. 2. Be capable of taking on the role of systems analyst in a software development organization. 3. Be able to document all phases of the software development processes. 4. They have working knowledge of CASE tools, source control, and project management. 5. They know how to test and document software. 6. They are capable of working as part of a software team and develop significant projects.
	CA4CRT12	LinuxAdministration	<p>On completion of the course, the student will be able to:</p> <ol style="list-style-type: none"> 1. To know the basic concepts of Linux Operating

IV

PRINCIPAL
SAS SNIP YOGMA
KOHNI, PATANAMHIT



			<p>System.</p> <ol style="list-style-type: none"> 2. Familiar with Linux commands. 3. Understand shell programming 4. Familiar with system administration 5. Understand various types of servers
	CA4CRT13	Web Programming using PHP	<p>After successful completion of course they can describe fundamentals of web.</p> <ol style="list-style-type: none"> 1. Can creation of static webpage using HTML. 2. They are aware of importance of CSS in web development. Can describe the function of JavaScript as a dynamic webpage creating tool . 3. Can outline principles behind using MySQL as a backend DBMS with PHP.
	CA4CRP04	Software Lab IV	<p>After studying this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Create web pages using HTML, DHTML and Cascading styles sheets. 2. Create dynamic web pages using JavaScript (client side programming). 3. Build web applications using PHP. 4. Familiarize the basics of python programming.
V	CA5CRT14	Computer Networks	<p>Up on successful completion student can able to</p> <ol style="list-style-type: none"> 1. Understand the terminology and concepts of ISO OSI Networks and TCP/IP reference models. 2. Identify the various multiplexing techniques and routing mechanisms. Error detects and correction techniques. 3. Acquire the concept of multiple access protocols and wireless networks. 4. Describe the various IP addressing methods and congestion control techniques in networking.
	CA5CRT15	IT and Environment	<p>Students recognize that our life-support system is maintained by all the species that make-up the bio-sphere, so that they are prepared to sustain biodiversity at all costs.</p> <ol style="list-style-type: none"> 1. After saucerful completion they aware of green computing in IT and other environment supporting IT tools.
	CA5CRT16	Programming using	<p>After successful completion of the course, the students are able to :</p> <ol style="list-style-type: none"> 1. Can use the syntax and semantics of java programming language and basic concepts of OOP. 2. Can develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages. 3. Can apply the concepts of Multithreading and Exception handling to develop efficient and error free codes. 4. Design event driven GUI and web related



			applications which mimic the real word scenarios.
	<i>CA5OPT</i>	<i>Open Course</i>	
	<i>CA5CRP05</i>	<i>SoftwareLabV</i>	At the end of the course : <ol style="list-style-type: none"> 1. Can Implement the Object Oriented Programming concepts. 2. Can Create packages and interfaces using java program. 3. Can implement Exception Handling in java. 4. Can Implement AWT, swings and Event Handling in java. 5. Can develop and deploy Applet in java
	<i>CA5CRP06</i>	<i>Software Development LabI (MiniProjectinPHP)</i>	At the end of the course : <ol style="list-style-type: none"> 1. Students can apply Software Engineering concepts in project development. 2. Can Plan, analyze, design and implement a web project using PHP and MySQL. 3. Can demonstrate and document software product.
VI	<i>CA6CRT17</i>	<i>CloudComputing</i>	End of the successful completion of course <ol style="list-style-type: none"> 1. Can understand the basics of Cloud computing and evolution of cloud as a technology. 2. Can summarize various types of cloud offerings and governance models. 3. Can discuss various aspects related to the consumability of cloud solutions by a business establishment. 4. Can understand high level architecture of implementing cloud solutions with a focus on the security aspects.
	<i>CA6CRT18</i>	<i>MobileApplication development-Android</i>	End of the successful completion of course <ol style="list-style-type: none"> 1. Understand various techniques for developing mobile applications. 2. Design a User interface for mobile devices. 3. Implement activity and multimedia in Android 4. Apply SQLite Database in Android COUBC1833.05: Use JSON and XML in Mobile application development
	<i>CA6PET</i>	<i>Data Mining</i>	End of the successful completion of course <ol style="list-style-type: none"> 1. Can understand Operational database and warehousing 2. They can Identify data extraction and transformation techniques. 3. They gain knowledge about classification and prediction, different cluster analysis techniques.
	<i>CA6CRP07</i>	<i>Software Seminar</i>	<i>LabVI&</i> They can use the fundamental LINUX system tools and utilities. <ol style="list-style-type: none"> 1. Can develop LINUX shell programs. Can create Android Apps using SQLite [2]. Seminar



			<ol style="list-style-type: none"> 2. They can Conduct Literature Survey and Develop presentation and communication skill. 3. They can understand and familiarize new developments in IT.
	CA6CRP08	Software Development Lab II (Main Project)	<ol style="list-style-type: none"> 1. Understand software engineering principles and develop an ability to apply them to software design of real life problems in an industry/ commercial environment. COUBC1836.02: Plan, analyze, design and implement a software project. 2. Demonstrate independent learning. 3. Demonstrate the ability to locate and use technical information from multiple sources. 4. Understand professional ethics in Software development. 5. Demonstrate communication skill
	CA6VVT01	VivaVoce	The objective of comprehensive viva-voce is to assess the overall knowledge of the student in three year BCA programme

OUTCOMES OF THE COURSES OFFERED BY POST GRADUATE DEPARTMENT OF COMMERCE

Course: M.Com Finance and Taxation

Semester	Course Code	Course Name	Outcome
Semester 1	CM010101	Specialised Accounting	<ul style="list-style-type: none"> • Providing an in-depth understanding about theoretical and practical aspects of major Accounting Standards to apply the same in different practical situations. • Ascertain the value of goodwill and value of companies based on the value of shares and compare the real value of shares and with the market prices and identify the mispricing. • In depth understanding about the determination of purchase consideration in the event of amalgamation and to prepare post amalgamation financial statements. • Develop a clear understanding about different types of NBFCs, their provisioning norms and to understand the


 PRINCIPAL
 SAS SINDIP YOGAM COLLEGE
 KOTTI, PATHANAMTHITTA


			concept of NAV of mutual funds through its computation. Acquainted with the theoretical aspects of emerging areas in accounting.
Semester 1	CM010102	Organisational Behaviour	<ul style="list-style-type: none"> • Basic understanding about the concepts of organisation behaviour. • A very good understanding about individual behaviour, personality and motivation. • Imparting deep understanding about group behaviour and leadership related to organisational behaviour. • Add the knowledge base of the learner regarding change management and deal with stress. • Impart knowledge about the role of organisational culture and conflict on organizational behavior.
Semester 1	CM010103	Marketing Management	<ul style="list-style-type: none"> • The learner should have a basic understanding about concepts like customer centricity, CRM, value chain and customer delight. • The learner should get a clear understanding about the market segmentation process and its applications in marketing strategies. • Develop an idea about consumer behaviour and its impact. • Good understanding about product line, product mix, brand equity, brand identity, brand personality and brand image. • Develop sound ideas regarding services marketing and service quality.
Semester 1	CM010104	Management Optimisation Techniques	<ul style="list-style-type: none"> • Develop theoretical understanding about various business optimisation models. • Ability to develop Linear Programming Models for business problems and solve the same. • Application of Linear Programming in the areas of transportation and assignment. • Develop decision making skills under uncertainty, risk and replacement of assets. • Understand and apply network analysis techniques for project implementation.
Semester 1	CM010105	Methodology for Social Science Research	<ul style="list-style-type: none"> • Develop a thorough understanding about the basic concepts of social science research. • After completing this module, the learner should be able to formulate a research design.


 PRINCIPAL
 SAS SINDUR
 HOHMI, RAJANAMTHUR
 OFFICE OF THE B.A.B. & M.D.P. BOARD
 HOHMI, RAJANAMTHUR

			<ul style="list-style-type: none"> • After studying the theoretical aspects of sampling design, the learner should be able to draw a sampling design. • Detailed knowledge about the instrument development, its validation and different forms of scaling. • Understand the technique of research reporting.
Semester 2	CM010201	Advanced Corporate Accounting	<ul style="list-style-type: none"> • The learner should be able to prepare consolidated financial statements of group companies. • Preparation of the financial statements of public utility companies and deal with the disposal of surplus. • Develop and awareness on the procedure of bankruptcy under the recent Bankruptcy Procedure Code. • Familiarising the learner with the accounting procedures of liquidation of companies and preparation of various statements required as per the Companies Act. • Basic understanding about the preparation of accounts of some special lines of businesses like shipping, hospitals and hotels.
Semester 2	CM010202	Human Resource Management	<ul style="list-style-type: none"> • Acquaintance with basic concepts of HRM and performance appraisal. • Understanding about human resource development, stress management and work life management. • High level knowledge about various aspects of training. • Understanding about various aspects of industrial relations so as to evaluate the real cases of industrial relations. • Understanding about HR outsourcing HR accounting and HR audit.
Semester 2	CM010203	International Business and Finance	<ul style="list-style-type: none"> • Familiarisation with globalisation, internationalisation of business and the international business environment. • Understanding about theories of international trade, trade barriers and trade blocks. • Imparting idea about various economic institutions related to international trade. • Achieve high level knowledge about various aspects of international monetary system. • Develop an understanding about the international investment environment.


 PRINCIPAL
 SAG SINDP YOGAM CO
 KOVVI, PATHAN


Semester 2	CM010204	Quantitative Techniques	<ul style="list-style-type: none"> • This course intends to give understanding about the applications of quantitative techniques. • This course intends to give understanding about the applications of quantitative techniques. • After learning this course, the student should be in a position to identify appropriate parametric test for testing the hypotheses. • The learner should be equipped with the skills to identify the most suitable non parametric test for testing a hypothesis. • The learner should be equipped with the skills to apply the principles of SQC
Semester 2	CM010205	Strategic Management	<ul style="list-style-type: none"> • Strong understanding about the theoretical foundations of strategic management. • Clear understanding about various models of environmental and internal analysis. • Development of an idea about the strategy formulation process at the corporate level. • Familiarization with various tools strategic planning and evaluation. Understanding about the modes of implementation and control of strategies
Semester 3	CM010301	Strategic Financial Management	<ul style="list-style-type: none"> • Learn the theoretical foundations of financial management and financial management decisions. • Evaluate the feasibility of different options regarding discount, credit period, storage cost etc related to current assets and current liabilities and estimate working capital requirements. • Evaluate long term proposals and evaluate the risk associated with long term investment. • Evaluate the decisions regarding leasing of capital assets. • Evaluate and Compare the performance of business entities.
Semester 3	CM010302	Income Tax – Law and Practice	<ul style="list-style-type: none"> • Acquire knowledge regarding the basic concepts of Income Tax. • Able to compute the income from salary and house property. • Determine taxable profit of a business or profession. • Able to compute capital gain and income from other sources. • Able to calculate Gross Total Income of an individual. • Learner shall be able to determine eligible deductions and compute Taxable Income



PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA



			and tax liability of an individual.
Semester 3	CM010303	Security Analysis and Portfolio Management	<ul style="list-style-type: none"> • Able to understand the concepts of investments, different types of investments, views of investment and process of investment and apply the theoretical knowledge in investment information for selecting the securities. • Understanding the types of risk in security market and Applying various tools for the valuation of bonds as well as economic indicators to predict the market. • Understand the tools of technical analysis, analyse the patterns and trends in the market by using various tools and enable to take investment decisions after understanding market efficiency level also. • Applying Modern portfolio theories and construct optimum portfolios. • Revising constructed portfolios as per risk and return association by using different strategies.
Semester 3	CM800301	Indirect Tax Laws	<ul style="list-style-type: none"> • Understand the basic concepts of the Goods and Services Tax. • Develop a clear idea about the levy and collection of tax and tax credit. • Develop the knowledge about the provisions regarding registration , preparations of books of accounts and filing of returns under the Act. • Understand about the powers of GST authorities regarding inspection, search and seizure. • Basic understanding about the Customs Law in India.
Semester 4	CM010401	Advanced Cost and Management Accounting	<ul style="list-style-type: none"> • Apply activity based absorption methods instead of conventional absorption method. • Apply the marginal costing principles in decision making situations of businesses. • Dealing with practical cases of pricing decisions in different situations • Understand the concepts of standard costing, and the process of cost control through it. • Deal with the practical issues related to transfer pricing.
Semester 4	CM010402	Income Tax-Assessment and Procedure	<ul style="list-style-type: none"> • Compute the total income and tax liability of firms and Association of Persons. • Carry out assessment of companies and



PRINCIPAL
SNDP YOGAM COLLEGE
CHENNAI, PATHANAMTHIT

			<p>determine their tax liability.</p> <ul style="list-style-type: none"> • Make the assessment of co operative societies and trusts. • Understanding about the assessment procedures, TDS and advance payment of tax and application in various situations. • Learn tax planning concepts and apply the same.
Semester 4	CM800401	Derivatives and Risk Management	<ul style="list-style-type: none"> • Knowledge about the derivative market in India, its evolution, types, players, risks involved and basic quantitative foundations. • Analyze the implications of Risk in the perception of individuals and Institutions and measurement of risks. • Understand and explain the concept of forward market and its function. • Analyse the operation and pricing of various types of futures. • Understand the concepts and methodology of option trading and apply the models of pricing the option contracts. • Develop an idea of exchanges through swaps.
Semester 4	CM800402	Personal Investment and Behavioural Finance	<ul style="list-style-type: none"> • Understand the meaning and significance of financial literacy, Financial Discipline & Financial Competency, the role of family and parents in financial socialisation. • Understand and Evaluate the Significance of savings on financial destiny and its relationship with Consumerism and to understand the different elements/steps in Personal Financial Planning to attain Financial Well Being and evaluate the different retail investment avenues. • Know the meaning of Behavioural Finance, its evolution and related theories • To understand different Heuristics, Biases and other Irrational Investment Behaviours. • Understand the relationship between biases and to adopt techniques to lower the impact of biases.

PRINCIPAL
SAS SNOY YOGAM COLLEGE
KONVE. PATHANAMANGALAM



Semester 4	CM010403	Project Report	Quality Research Output and presentation
Semester 4	CM010404	Comprehensive Viva Voce	The learner should have the capacity to communicate his/her understanding in various subjects studied.

**OUTCOMES OF THE COURSE OFFERED BY
PG DEPARTMENT OF PHYSICS**

Semester	Course Code	Course Name	Outcome
	PH010101	Mathematical methods in Physics-I	<ol style="list-style-type: none"> 1. The main objective of this course is to familiarize students with a range of mathematical methods often used in physics. 2. Use vector analysis for solving problems 3. Use tensor calculus 4. Basic matrix operations.
	PH010102	Classical mechanics	<ol style="list-style-type: none"> 1. Students understand the importance of formulation of Lagrangian and Hamiltonian in Classical mechanics. 2. Ability to describe and calculate the degrees of freedom of various mechanical systems.
	PH010103	Electrodynamics	<ol style="list-style-type: none"> 1. It helps the students to advance in electrostatics. 2. Helps to imagine the complex patterns formed by the Electromagnetic fields.
	PH010104	Electronics	<ol style="list-style-type: none"> 1. To build basic ideas of electronic devices and its working. 2. To prepare students to analyse and design various electronic circuits.
	PH010105	General Physics practical	<ol style="list-style-type: none"> 1. To improve the problem solving ability of students. 2. General awareness about the physical phenomena.

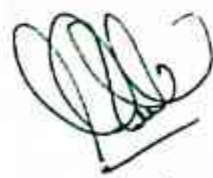
PRINCIPAL
AS SWAP YOGAM
KOMNI, PATHAN



	PH010201	Mathematical methods in Physics-2	1. Enable students to convey and understand various physical phenomena using mathematical tool.
	PH010202	Quantum mechanics-1	<ol style="list-style-type: none"> 1. Basic formulation of QM 2. Basic knowledge of quantum dynamics 3. Understanding the theory of angular momentum 4. Solving hydrogen atom problem
	PH010203	Statistical mechanics	<ol style="list-style-type: none"> 1. General understanding about the real life environment connected to Physics. 2. Helps to acquire advanced knowledge in Thermal Physics.
	PH010204	Condensed matter physics	<ol style="list-style-type: none"> 1. Help to understand various molecular theories. 2. Thorough understanding of physical phenomenon under extreme low temperature.
	PH010205	Electronics	1. Develop the ability and skills in students to



		practical	distinguish and recognize the electronic equipments.
	PH010301	Quantum mechanics	<ol style="list-style-type: none"> 1. Provides advanced knowledge of Quantum dynamics. 2. Help to solve problems at microscopic level by applying conservation laws. 3. Thorough understanding of energy transitions at atomic level.
	PH010302	Computational physics	<ol style="list-style-type: none"> 1. Basic idea about the techniques used in physics to solve problem with the help of computers when they cannot be solved analytically with pencil and paper since the underlying physical system is very complex. 2. Students can able to develop their own Algorithms of every method described in syllabus
	PH010303	Atomic and molecular physics	<ol style="list-style-type: none"> 1. Basic understanding about the basics of physics at atomic level. 2. Understanding about the basic radiation phenomena and how it interacts with atoms. 3. Ability to differentiate various kinds of radiation.


 PRINCIPAL
 AS SNDP YOGAM COLLEGE
 KONNI, PATHANAMTHITTA



	PH800301	Digital Signal processing	<ol style="list-style-type: none"> 1. To understand basic ideas about the digital communication. 2. To make students aware about the meaning and implication of the properties of systems and signal.
	PH800302	Advanced practical in electronics	<ol style="list-style-type: none"> 1. To introduce basic semiconductor devices, their characteristics and application 2. To understand analysis and design of simple diode circuits. 3. To learn to analyze the PN junction behavior at the circuit level and its role in the operation of diodes and active device
	PH010401	Nuclear and particle physics	<ol style="list-style-type: none"> 1. Provides the knowledge about the various nuclear properties and its occurrence. 2. Enable students to calculate and analyze various nuclear activity.
	PH800402	Microelectronics and semiconductor devices	<ol style="list-style-type: none"> 1. Expose the students to the architecture and instruction set of basic microprocessors. 2. study fundamentals of semiconductor devices and their processing steps in details 3. Understand the fabrication of IC
	PH800403	Communication electronics	Provides the knowledge about various communication methods that employed today.


 PRINCIPAL
 SAS SVDP YOGAM COLLEGE
 KOVVI, PATHANAMCHERRY


			2. Describe the concept of modulation and its importance.
	PH010404	Computational physics practical	<ol style="list-style-type: none"> 1. Solve physical problems using mathematical model with the help of C++ programming language. 2. Help to understand the importance of programming in solving physical problems.

COURSE OUTCOME MSC COMPUTER SCIENCE PROGRAMME

MSc Computer Science (2019 Admission onwards)			
Semester	Course Code	Course Name	Course Outcome
	CA500101	Computational Mathematics	<p>After successful completion of this course students can able to:</p> <ol style="list-style-type: none"> 1. To understand basics of elementary statistics 2. To design and construct Automata. 3. Correlation and Regression analysis for a given set of observations. 4. Gain the basic knowledge of Predicate calculus 5. Logical analysis using Fuzzy
	CA010101	Advanced web Technology	<p>At the end of the course students are able to:</p> <ol style="list-style-type: none"> 1. Choose, understand, and analyze any suitable real time web application. 2. Integrate java and server side scripting languages to develop web applications 3. To develop and deploy real time web applications in web servers and in the cloud.



			4. Extend this knowledge to .Net platforms.
	CA010102	Operating Systems	<p>Upon successful completion, students will have to</p> <ol style="list-style-type: none"> 1. Understand fundamental operating system abstractions such as processes, threads, files, semaphores, IPC abstractions, shared memory regions, etc., 2. Analyze important algorithms eg. Process scheduling and memory management algorithms. 3. Categorize the operating system's resource management techniques, dead lock management techniques, memory management techniques.. 4. Demonstrate the ability to perform OS tasks in Red Hat Linux Enterprise. .
	CA500102	Advanced Java Programming	<p>Upon successful completion, students will have to</p> <ol style="list-style-type: none"> 1. Design and Develop Swing-based GUI components. 2. Develop client/server applications using socket programming 3. Build and retrieve the data from the database using SQL 4. Develop distributed applications using RMI and component-based Java software using JavaBeans 5. Develop and Implement server-side programs in the form of Servlets and enterprise applications.
	CA500103	Labi[Java&PHP]	<p>Upon successful completion, students will have to</p> <ol style="list-style-type: none"> 1. Understanding the basic concepts of object oriented programming. 2. Apply the Object Oriented Programming concepts in solving real world applications.


 PRINCIPAL
 SAS SINDP YOGAM COLLEGE
 KONNI, PATHANAMTHITTA



			<ol style="list-style-type: none"> 3. Build Client/Server GUI applications using SWING and JAVA FX. using SWING and JAVA FX. 4. Nct based design using PHP, Backend design etc
	CA500201	Advanced Data Structures	<p>Upon successful completion, students will have</p> <ol style="list-style-type: none"> 1. To apply appropriate advanced data structure and efficient algorithms 2. To approach the problems of various domain. 3. To design the algorithms to solve the programming problems. 4. To use effective and efficient data structures in solving various
	CA010201	Computer Networks	<p>Upon successful completion, students will have to</p> <ol style="list-style-type: none"> 1. Analyze the requirements for a given organizational structure to select the most appropriate networking architecture. Demonstrate design issues, flow control and error control . Analyze data flow between TCP/IP model using Application, Transport and Network Layer Protocols. 2. Illustrate applications of Computer Network capabilities, selection and usage for various sectors of user community 3. Illustrate Client - Server architectures and prototypes by the means of correct standards and technology. 4. Demonstrate different routing and switching


 PRINCIPAL
 SAS... COLLEGE
 ...
 OFFICE OF THE ...
 ...

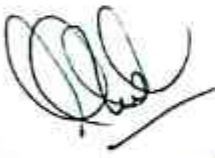

			algorithms
	CA010202	Research Methodology and Technical Writing	<p>Upon on the successful completion of this course student able to</p> <ol style="list-style-type: none"> 1. To understand research methodology 2. Design a research work 3. Understand the basics of Data Collection and Analysis. 4. Write Report and thesis. 5. The Understand Importance of Ethics in Research
	CA500202	Database Management system and SQL	<p>Upon successful completion, students will have to :</p> <ol style="list-style-type: none"> 1. understand database concepts and structures and query language 2. Understand the E R model and relational model 3. Ddesign and build a simple database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a DBMS. 4. Understand Functional Dependency and Functional Decomposition. 5. Apply various Normalization techniques Perform PL/SQL programming using concept of Cursor Management, Error Handling, Package and Triggers 6. Execute various advance SQL queries related to Transaction Processing & Locking using concept of Concurrency control. 7. Understand query processing and techniques involved in query optimization. 8. Understand the principles of storage structure and




 PRINCIPAL
 SAS SNDP YOGAM COLLEGE
 KANNUR, PATHANAMTHURU

			recovery management.
	CA010203	LabII[DS using Java,SQL]	<p>Upon successful completion, students will have to :</p> <ol style="list-style-type: none"> 1. Understand the concept of Dynamic memory management, data types, algorithms, Big O notation. 2. Understand basic data structures such as arrays, linked lists, stacks and queues. c) Describe the hash function and concepts of collision and its resolution methods 3. Solve problem involving graphs, trees and heaps 4. Apply Algorithm for solving problems like sorting, searching, insertion and deletion of data
	CA010301	Digital Image Processing	<p>After successful completion of this subject students will be able to:</p> <ol style="list-style-type: none"> 1. Understand image formation and the role human visual system plays in perception of gray and color image data. 2. Get broad exposure to and understanding of various applications of image processing in industry, medicine, and defence. 3. Learn the signal processing algorithms and techniques in image enhancement and image restoration. 4. Acquire an appreciation for the image processing issues and techniques and be able to apply these techniques to real world problems. 5. Be able to conduct independent study and analysis of image processing problems and technique
	10010301	Statistical Computing for Data Analytic	<p>After this course, Students will get to know</p> <ol style="list-style-type: none"> 1. fundamental statistical concepts and some of their



			<p>basic applications in real world.</p> <ol style="list-style-type: none"> Organizing, managing, and presenting data how to use a wide variety of specific statistical methods.
	CA010302	Python Programming	<p><i>After this course, the student should be able to</i></p> <ol style="list-style-type: none"> Develop algorithmic solutions to simple computational problems. Demonstrate programs using simple Python statements and expressions. Explain control flow and functions concept in Python for solving problems. Use Python data structures – lists, tuples & dictionaries for representing compound data. Perform files operations and image processing. Use exception, modules and packages in Python for various applications
 	CA500301	Software Engineering	<ol style="list-style-type: none"> Ability to translate end-user requirements into system and software requirements, using e.g. UML, and structure the requirements in a Software Requirements Document (SRD). Identify and apply appropriate software architectures and patterns to carry out high level design of a system and be able to critically compare alternative choices. Will have experience and/or awareness of testing problems and will be able to develop a simple testing report
	CA010303	Lab III [DIP using Python]	<p><i>Students are able to</i></p> <ol style="list-style-type: none"> Develop python programs for different types of image

			<p>transforms ..</p> <ol style="list-style-type: none"> develop any image processing application. Learning of different causes for image degradation and overview of image restoration technique using python utilities image compression and to learn the spatial and frequency domain techniques of image compression using python . learn different feature extraction techniques for image analysis and recognition using python.
	CA010304	Mini Project using IOT	<ol style="list-style-type: none"> Understand the building blocks of IoT technology and explore the vast spectrum of IoT Applications development approach using Agile processes Assess, select and customize technologies for IoT applications Connect the cyber world with the physical world of humans, automobiles and factories Integrate geographically distributed devices with diverse capabilities Design and implement IoT applications that manage data
 PRINCIPAL SAS SHIP YOGAN KOPPI, PE	CA010401	Data Mining	<p><i>After this course, the student</i></p> <ol style="list-style-type: none"> Gain an understanding of what data mining is all about. Be able to perform the data preparation tasks and understand the implications. Demonstrate an understanding of the alternative knowledge representations such as rules, decision trees, decision tables, and Bayesian networks.



			<ol style="list-style-type: none"> 4. Demonstrate an understanding of the basic machine learning algorithmic methods that support knowledge discovery. 5. Be able to evaluate what has been learned through the application of the appropriate statistics. 6. Be able to discuss alternative data mining implementations and what might be most appropriate for a given data mining task. 7. Become proficient in the use of a set of data mining tool
	CA810402	<i>Big Data Management Using R</i>	<p><i>After this course, the student the students will be able to</i></p> <ol style="list-style-type: none"> 1. Apply technologies in organizing different types of data 2. Present results effectively by making appropriate displays, summaries, and tables of data 3. Perform simple statistical analyses using R 4. Analyze the data and come up with correct interpretations and relevant conclusions.
	CA810403	<i>Data Analytics</i>	<p>After completing this course, students will able to:</p> <ol style="list-style-type: none"> 1. Understand the concepts of Big data and challenges in processing Big Data 2. Understand Hadoop architecture and eco-system. 3. Gain conceptual understanding of Hadoop Distributed File System. 4. Understand the concepts of map and reduce and functional programming 5. Identify appropriate techniques and tools to solve actual Big Data problems.
	CA010402	<i>Main Project</i>	<p>After completing this course, students will able to:</p> <ol style="list-style-type: none"> 1. Identify and Finalize


 PRINCIPAL
 SAS SNO P YOGAN COLLEGE
 KONNI, PATHANAMTHITTA



			<p>problem statement by surveying variety of domains.</p> <ol style="list-style-type: none"> 2. Perform requirement analysis and identify design methodologies 3. Apply advanced programming techniques 4. Present technical report by applying different visualization tools and Evaluation metrics.
	CA010403	Course Viva	<p><i>Course evaluate the students</i></p> <ol style="list-style-type: none"> 1. Subject knowledge 2. Topic of specific interest 3. Evaluate programme outcomes

Outcomes of the Courses offered by Department of Commerce

Course: B.Com Finance and Taxation

Semester	Course Code	Course Name	Outcome
Semester 1	CO1CRT01	Dimensions and methodology of business studies	<ul style="list-style-type: none"> ● Understand business and its role in society ● To have an understanding of business ethics and CSR ● To comprehend the business and its various dimensions ● To familiarize technology integration in business <p>To introduce the importance and fundamentals of business research</p>

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHUR



Semester 1	COICRT02	FINANCIAL ACCOUNTING	<ul style="list-style-type: none"> • To understand about accounting principles and accounting standard • To have an understanding of final accounts of trading concerns • To acquire the skill of preparing accounts and financial statements on various types of business units • To understand different methods of converting single entry to double entry • To have an understanding of preparation of final accounts of farming activity • To give an idea of consignment account
Semester 1	COICRT03	Corporate Regulations and Administration	<ul style="list-style-type: none"> • The learner should have a basic understanding about concepts like customer centricity, CRM, value chain and customer delight. • The learner should get a clear understanding about the market segmentation process and its applications in marketing strategies. • Develop an idea about consumer behaviour and its impact. • Good understanding about product line, product mix, brand equity, brand identity, brand personality and brand image. • Develop sound ideas regarding services marketing and service quality.



PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA

Semester 1	CO5OP01	BANKING AND INSURANCE	<ul style="list-style-type: none"> ● . To understand the evolution of bank ● Understand about reserve bank of India ● Understand the concept of banking ombudsman ● Know about e banking ● To identify the importance of rural banking ● To give an idea of recent trends in banking
SEMESTER II	CO2CRT06	BUSINESS MANAGEMENT	<ul style="list-style-type: none"> ● To familiarize with concepts and principles of management ● To have an understanding of managerial roles ● To have an understanding of functions of management ● To familiarize students with different management techniques ● To have an understanding of organization its types etc

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA



SEMESTER II	CO2CMT02	PRINCIPLES OF BUSINESS DECISIONS	<ul style="list-style-type: none"> ● to understand the importance of decision making in business ● To understand the application economic theories in decision making ● To understand the concept of demand theory ● To understand the methods of pricing in different market ● to understand about law of diminishing returns
SEMESTER II	CO2CRT05	BUSINESS REGULATORY FRAMEWORK	<ul style="list-style-type: none"> ● To familiarize the students with the legal framework influencing business decision ● To enable the students to apply the provisions of business laws in business activities ● To understand about the Indian Contract Act
Semester 3	CO3CRT07	CORPORATE ACCOUNTING	<ul style="list-style-type: none"> ● . To familiarize with corporate accounting procedures ● To understand accounting for banking companies ● To have an understanding of preparation of final accounts of joint stock companies ● to have an understanding of preparation of final accounts of insurance companies ● To have an understanding of amalgamation ,absorption internal and external reconstruction

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA



Semester 3	CO3CRT08	Quantitative Techniques for Business	<ul style="list-style-type: none"> ● To understand the role of statistics and quantitative techniques in business and familiarize them with basic tools ● To impart basic knowledge of research ● To identify the sources of data and methods of data collection ● To understand the theory of probability and non probability sampling ● To understand about correlation and regression methods ● To study the different techniques of testing hypothesis ● To understand the methods of writing reports
Semester 3	CO3OCT01	GOODS AND SERVICE TAX	<ul style="list-style-type: none"> ● To get a general understanding of GST law in the country ● To understand the benefits of GST to the country ● To understand the methods of finding returns

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA



Semester 3	CO3CRT09	FINANCIAL MARKETS AND OPERATIONS	<ul style="list-style-type: none"> ● To familiarize the students with financial market operations in India ● To have an understanding of Indian financial system ● To identify the importance of capital market and money market instruments ● to familiarize with stock exchange practices ● To have an understanding of SEBI and its functions ● To understand the concept of mutual fund operations in India ● To have a brief idea of derivatives
Semester 3	CO3CRT10	MARKETING MANAGEMENT	<ul style="list-style-type: none"> ● To familiarize the students with financial market operations in India ● To have an understanding of Indian financial system ● To identify the importance of capital market and money market instruments ● to familiarize with stock exchange practices ● To have an understanding of SEBI and its functions ● To understand the concept of mutual fund operations in India ● To have a brief idea of derivatives

PRINCIPAL
SAS SINDH YOGAM COLLEGE
KORNI, PATHANAMTHITTA



SEMESTER 4	CO4CRT13	ENTREPRENEURSHIP DEVELOPMENT AND PROJECT MANAGEMENT	<ul style="list-style-type: none"> ● To develop entrepreneurial spirit among students ● To empower students with sufficient knowledge to start up their venture with confidence ● to have an understanding of entrepreneurship in India <p>To have an understanding of preparation of project report</p>
Semester 5	CO5CRT14	COST ACCOUNTING	<ul style="list-style-type: none"> ● To familiarize the students with cost concept ● To give an understanding of accounting and control of material cost ● To give an understanding of accounting and control of labour cost ● To give an understanding of accounting and control of overhead ● To give an understanding of marginal costing and break even analysis ● To give an understanding of budget and budgetary control

PRINCIPAL
SAS SINDIP YOGAM COLLEGE
KONNI, PATHANAMTHUR



Semester 5	COSCRT15	ENVIRONMENT MANAGEMENT AND HUMANRIGHTS	<ul style="list-style-type: none"> ● To understand the importance of bio diversity and its conservation ● To understand the various environmental issues ● To make students capable of solving the problems with environment ● To create an awareness among students regarding the problems of environment ● To understand the importance of green accounting ● To understand the need of green business ● To have an understanding of human rights ● To make students aware of Eco tourism and its importance
Semester 5	COSCRT16	FINANCIAL MANAGEMENT	<ul style="list-style-type: none"> ● To familiarize with the functional areas and principles of financial management ● To have an understanding of the role of finance manager ● To understand the concept of time value of money ● To understand about the various sources of finance ●

PRINCIPAL
SAS SDR YOGAM COLLEGE
KONNI, PATHANAMTHITTA



Semester 6	CO6CRT18	ADVERTISEMENT AND SALES MANAGEMENT	<ul style="list-style-type: none"> ● To make the students aware of strategy, concept and methods of advertising and sales management ● To make the students aware of advertisement standard council of India ● To have an understanding of advertisement media ● To have an understanding of sales promotion
Semester 6	CM800402	AUDITING & ASSURANCE	<ul style="list-style-type: none"> ● To familiarize the students with principles and procedure of auditing ● To enable the students to understand the duties and responsibilities of auditors and to undertake the work of auditing ● To understand the basic principles governing auditing ● To understand the objective and aim of auditing
Semester 6	CM010403	INCOME TAX	<ul style="list-style-type: none"> ● To familiarize the students with income tax act 1961 ● To make students capable of preparing income taxable under the first three heads of income ● To familiarize students with history of income tax in India ● To make students capable of identifying the residential status ● To have an understanding of various rates of income tax.

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KOHNI, PATHANAMTHITTA



Semester 6	CO6PR01	PROJECT & Viva Voce	The learner should have knowledge about research To communicate his/her understanding in various subjects studied.
---------------	---------	------------------------	---

MSC. GEOLOGY

SEMESTER	COURSE CODE	COURSE NAME	COURSE OUTCOME
SEMESTER I	GL010101	Geomorphology and Geomatics	The course offers a clear cut understanding of the various aspects and methods of informati technology in daily life and also its applicator delineating the geomorphological characteris of planetary bodies. These studies have a significant role in the planning and implementation of all development projects. course is intended to make the students able handle the software which has been used in t platform.
	GL010102	Applied Mineralogy	The course offers a detailed understanding of minerals; their origin, structure, composition properties. This course also focuses on the analytical methods used in the chemical analy of minerals. This will act as foundation for understanding the concepts in geochemical a petrological studies, as mineralogy is consider as one of the pillar subject in Geosciences.
	GL010103	Structural Geology and Tectonics	The course offers advanced study of the structures in rocks with respect to char: in stress-strain scenario; and includes analyses c faults, folds, and other structures associated v shear zones & poly deformed rocks. The cour: covers structural mapping methods, and structural analysis using various graphical representations. It also aims the study of pres tectonic scenario & evolution of the Indian Pl:
	GL010104	Stratigraphy and Quaternary Geology	The course offers a detailed knowledge on different types of conventional and advanced

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA



			stratigraphic approaches in studying the earth history. It aims to have a deeper knowledge in the Precambrian and Phanerozoic stratigraph Earth with special reference to India. The cou of Quaternary Geology aims understanding different proxles, dating techniques and important processes In Quaternary period.
	GLO10105 Practical 1	Geomorphology, Geomatics, MIneralogy and Structural Geology	It helps to get practical knowledge on projection techniques in structural geology crystallography and optical knowledge in mineralogy, Morphometric analysis, geological maps, interpretation of aerial photos and georeferencing helps to recogn landfeatures from the various datas.
SEMESTER II	GLO10201	Igneous and Metamorphic Petrology	Igneous Petrology offers the students a detail idea about the magma, its characteristics, diversity and its generation with respect to different tectonic settings. It offers students t experimental models for the crystallization – melting process in the deep crust and in the mantle. It also intends to provide a detailed understanding of the important igneous rock types found on earth with special reference ti petrogenesis. Metamorphic petrology offers deep understanding in metamorphic processes and reactions. This course intends to impart t students a comprehensive knowledge in experimental petrology, geothermobarometr and relation between metamorphism and pla tectonics.
	GLO10202	Sedimentology and Geostatistics	This course offers a solid foundation in basic principles and concepts of sedimentology anc thorough understanding in different sedimen processes, environments of deposition and tectonic settings of sedimentary basins. This course also enriches the ideas of texture and structure of sedimentary rocks by providing analytical tools and statistical methods, to ma the students capable in interpreting the sedimentary history
	GLO10203	Geochemistry and Isotope Geology	Isotope geology offers detailed study of deca schemes of radiogenic and stable isotopes. Th isotopic systems will be discussed with specia reference to evolution of Earth and Earth processes. Geochemistry includes basic conce which act as the basement for all advanced branches of geology. This course will make

PRINCIPAL
SAS SINDP YOGAM COLLEGE
KONNI, PATHANASSERY



			students able to analyze and conclude the geological history of Earth and rock systems through current isotopic and geochemical signatures.
	GL010204	Climatology and Marine Geology	The course is mainly focused on the aspects of Marine Geology, as it also deals with the fundamentals of Climatology and Oceanography. The course covers various marine expeditions, marine environments, depositional & erosion processes, origin of oceanic basins and morphologic features, marine mineral resources, offshore geologic sampling & ocean floor survey methods, Eustatic sea level changes and Law of the Sea.
	GL010205 Practical 2	Petrology	This course provides practical knowledge of Igneous and Metamorphic Petrology and identification by observation of hand specimen and thin sections through microscope.
SEMESTER III	GL010206 Training	Field Mapping Training	Field studies is a chance to apply the use of geological surveying tools to actual landscape and also students get an opportunity to practice techniques and will assist them in future. to take relevant field photos, measurements, record observations, synthesize findings to create a thorough field report.
	GL010301	Exploration Geology and Geophysics	The course is focused on various geological prospecting and mineral exploration methods, covers stages of exploration, grading of ores, drilling programme designing and ore reserve estimation. Various geochemical survey methods and atmospheric & geobotanical survey techniques are included. The course also deals with various geophysical prospecting methods that can be used to find out the occurrence and extent of ore deposits, including method of application and limitations.
	GL010302	Advanced Economic Geology	This is the subject which connects geology directly to industry. This course offers a detailed study of origin of economic minerals deposits, identification, properties, and distribution in India. The student will be familiar with how, where, and when Earth's most important ore deposits have formed, and basic concepts of mineral deposit modeling. This course also aims at providing a comprehensive knowledge in

PRINCIPAL
SAS SNDP YOGAM COLLEGE
MONNI, PATHANAMTHITTA



	GL010303	Mining and Engineering Geology	reflective light optics and ore textures. Mining Geology provides a proper understanding on various mining terminologies and different methods practiced in alluvial, opencast and underground mining according to the type of deposits. These studies also provide basic information on mineral dressing, mining plans and mineral policies. Engineering Geology offers the basic concepts and its application in engineering practices. This course intends to make the students able to identify the suitable sites for different engineering constructions, identify potential geological hazards and manage various structures to prevent and control them.
	GL010304	Hydrogeology	The course offers proper understanding on various aspects of surface water and groundwater, and covers various aquifer and water quality analyses. The course also deals with well hydraulics, investigation & exploration methods of groundwater, and the causes & remedies for saline water intrusion. The course has significant role in the planning and implementation of projects related to hydrogeology.
	GL010305 Practical 3	Exploration Geology, Economic Geology and Hydrogeology	This course helps to get practical knowledge in the field of Exploration Geology, Economic Geology and Hydrogeology.
SEMESTER IV	Elective GL800401	Fuel Geology and Micropalaeontology	The course offers detailed study about nature fuels like coal and petroleum, their formation distribution especially in Indian sedimentary basins. This course also intended to make the students aware about unconventional energy resources like shale gas, CBM and gas hydrate will also discuss different exploration and extraction techniques used in petroleum industry. A part of this course includes detailed study of microfossils such as foraminifera, radiolarian, diatoms and ostracods. Aim of this course is to make students familiar with the processes, terms and works happening in petroleum industry.
	Elective GL800402	Advanced Palaeontology	The course intends systematic study of Paleontology since the origin of life. It is mainly focused on concepts and theories of evolution and vertebrate paleontology. It deals with the early life forms and evolutionary history of Trilobites, Graptolites and Ammonites. The

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KOVVI, PATHANAMTHITTA



	GL010303	Mining and Engineering Geology	reflective light optics and ore textures. Mining Geology provides a proper understanding on various mining terminologies and different methods practiced in alluvial, opencast and underground mining according to the type of deposits. These studies also provide basic information on mineral dressing, mining plans and mineral policies. Engineering Geology offers the basic concepts and its application in engineering practices. This course intends to make the students able to identify the suitable sites for different engineering constructions, identify potential geological hazards and manage various structures to prevent and control them.
	GL010304	Hydrogeology	The course offers proper understanding on various aspects of surface water and groundwater, and covers various aquifer and water quality analyses. The course also deals with well hydraulics, investigation & exploration methods of groundwater, and the causes & remedies for saline water intrusion. The course has significant role in the planning and implementation of projects related to hydrogeology.
	GL010305 Practical 3	Exploration Geology, Economic Geology and Hydrogeology	This course helps to get practical knowledge in the field of Exploration Geology, Economic Geology and Hydrogeology.
SEMESTER IV	Elective GL800401	Fuel Geology and Micropalaeontology	The course offers detailed study about natural fuels like coal and petroleum, their formation and distribution especially in Indian sedimentary basins. This course also intended to make the students aware about unconventional energy resources like shale gas, CBM and gas hydrate. It will also discuss different exploration and extraction techniques used in petroleum industry. A part of this course includes detailed study of microfossils such as foraminifera, radiolarian, diatoms and ostracods. Aim of this course is to make students familiar with the processes, terms and works happening in petroleum industry.
	Elective GL800402	Advanced Palaeontology	The course intends systematic study of Paleontology since the origin of life. It is mainly focused on concepts and theories of evolution and vertebrate paleontology. It deals with the early life forms and evolutionary history of Trilobites, Graptolites and Ammonites. The

PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA



			vertebrate evolution includes the evolution of Pisces, Amphibians, Reptiles, Birds, Elephants and Homo Sapiens. The course also covers stable isotope studies in Palaeontology, important forms of Siwalik Vertebrates and Palynology.
	Elective GL800403	Environmental Geology and Disaster Management	The course offers an understanding on the fundamental concept of environmental geology. This course is intended to create awareness on environmental laws and environmental protection acts. This course will also provide awareness about the disaster management system.
	Elective practical GL800404	Elective Practical Fuel Geology and Micropalaeontology	Fuel Geology practical session is dealing with analysis, Proximate analysis and interpretation of log data. Micropalaeontology practicals include the identification of microfossils.
	GL010401 Project	Dissertation	It gives an opportunity to apply the geological principles to a wide range of fields according to the topic taken by the student and it helps to enlighten research aptitude of students.
	GL010402 Viva Voce	Viva Voce	A Viva Voce Examination is conducting which provides the students an opportunity to demonstrate their understanding of the subject and answer questions thereby recollecting their knowledge.



PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA



		vertebrate evolution includes the evolution of Pisces, Amphibians, Reptiles, Birds, Elephants and Homo Sapience. The course also covers stable isotope studies in Palaeontology, important forms of Siwalik Vertebrates and Palynology.
Elective GL800403	Environmental Geology and Disaster Management	The course offers an understanding on the fundamental concept of environmental geology. This course is intended to create awareness of environmental laws and environmental protection acts. This course will also provide awareness about the disaster management system.
Elective practical GL800404	Elective Practical Fuel Geology and Micropalaeontology	Fuel Geology practical session is dealing with analysis, Proximate analysis and interpretation of log data. Micropalaeontology practicals include the identification of microfossils.
GL010401 Project	Dissertation	It gives an opportunity to apply the geological principles to a wide range of fields according to the topic taken by the student and it helps to enlighten research aptitude of students.
GL010402 Viva Voce	Viva Voce	A Viva Voce Examination is conducting which provides the students an opportunity to demonstrate their understanding of the subject and answer questions thereby recollecting their knowledge.



PRINCIPAL
SAS SNDP YOGAM COLLEGE
KONNI, PATHANAMTHITTA

