

			Name of the Programme: BSc, CHEMISTRY
Course Code	Course Title		Course Outcomes
Mark Hall			SEMESTER 1
	Inorganic	COI	Helps to learn the structure of atom, periodicity and non-aqueoussolvents.
CH 1141	Chemistry I	CO2	It enables them to appreciate the inner structure and chemical properties of elements
		0.000	SEMESTER 2
CH 1221	Inorganic Chemistry	COI	On completion of the course, the student will be able to understand, how science or in special chemistry works. They willget a basic understanding to do self-directed experimentation work and research in chemistry under the guidance and supervision of a mentor.
	П	CO2	Analytical chemistry helps the student to understand about the experimental parts of the theory and the safety measures whichcould follow when doing experiments using chemicals.
		(ankin	SEMESTER 3
		COI	The student gets fundamental to detailed knowledge in chemicalbonding,
CH 1341	Inorganic Chemistry II	CO2	The student gets fundamental to detailed knowledge in compounds of non-transition elements, and nano materials.
		CO3	Students get a thorough knowledge in nuclear chemistry
			SEMESTER 4
	Organic	COI	It imparts the behavior of aliphatic and aromatic compounds and introduces the concept of reaction mechanism
CH 1441	Chemistry Paper I	CO2	It makes the student to understand the mechanism of reactions oforganic compounds, steriochemical aspects, photochemical reactions and aromaticity.
			SEMESTER 5
CH 1541	Physical Chemistry I	COI	Students will gain exposure and practice in the areas of physical chemistry which include gas and liquiproperties, thermodynamics and group theory.
CH 1542	Inorganic Chemistry III	CO2	Students will gain exposure and practice in the areas og inorganic chemistry which include, Co-ordinatic chemistry, transition and inner transition elements, chemistry and how their elements are isolated from their or
		CO3	The students would be able to realise the role of organometallicsin organic synthesis.
CH 1542	Inorganic Chemistry III	CO4	instrumental method of analysis and general principle of isolation of elements help the students to understand about the experimental techniques used in
OF COPIE	V.	COI	The student will get interesting idea about the preparation and properties, mechanism of reactions of man organic conversions and of organic compounds. Dr. SUM PRINCIPAL II ST. GREGORIO KOTTARA

CH1543	chemistry II	CO2	They will also get sufficient knowledge to interpret spectrum of organic compounds and novel areas of organic chemistry-the supramolecular and green chemistry
			SEMESTER 6
CH1641	Physical Chemistry II	CO1	Student will able to derive essential mathematical relationshipsin thermodynamics, quantum mechanics and spectroscopy
	Chemistry ii	CO2	Students will evaluate physical and chemical systems by nonspectroscopic techniques
CH1642	Organic Chemistry paper III	CO1	The students will get an interesting idea about the preparation and properties, mechanism of reactions of man organic conversions and of organic compounds
		COI	Student will get an idea about the basics of electrochemistry andits importance to modern industry and technology
CH1643	Physical Chemistry paper III	CO2	the course introduce various types of reactions and differentfactors that determine the rate of chemical changes.
	paper III	CO1	The course also includes the study of phase diagrams of one, two and three component systems and elementary ideas of photochemistry.
		CO2	Student will get idea of recent developments in plastic and rubbertechnology.
CH166 1.3	Polymer Chemistry	CO1	Student will get elementary idea of synthesis, chemistry, property and application of elastomers and varoit polymer processing in the polymer industry in India.
Cours	of the Progra	mme: H	SSc. BOTANY Course Outcomes
		mme: I	
Cours	Course Title Angiosperm	mme: F	Course Outcomes
Cours e Code	Course Title		Course Outcomes SEMESTER 1
Cours e Code	Course Title Angiosperm Anatomy,	COI	Course Outcomes SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and
Cours e Code	Angiosperm Anatomy, Reproductive Botany And	CO1	Course Outcomes SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure.
Cours e Code BO	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes,	CO1	Course Outcomes SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains.
Cours e Code BO 1141	Angiosperm Anatomy, Reproductive Botany And Pali Nology	CO1 CO2 CO3	Course Outcomes SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2
Cours e Code BO 1141	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes, Archegoniate and Plant	CO1 CO2 CO3	Course Outcomes SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2 To familiarize characteristic features of microbes and their significance in environment To generate idea about types of algae, fungi, lichen and their economic as well as evolutionary significance To familiarize the students the characteristic features, life cycle and evolutionary significance of Bryophytes Pteridophytes and Gymnosperms and to impart knowledge about diseases in plants
Cours e Code BO 1141 BO 1231	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes, Archegoniate and Plant pathology	CO1 CO2 CO3 CO1 CO2	Course Outcomes SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2 To familiarize characteristic features of microbes and their significance in environment To generate idea about types of algae, fungi, lichen and their economic as well as evolutionary significance To familiarize the students the characteristic features, life cycle and evolutionary significance of Bryophytes
Cours e Code BO 1141 BO 1231	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes, Archegoniate and Plant pathology Microbiology, Phycology, Mycology,	CO1 CO2 CO3	Course Outcomes SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2 To familiarize characteristic features of microbes and their significance in environment To generate idea about types of algae, fungi, lichen and their economic as well as evolutionary significance To familiarize the students the characteristic features, life cycle and evolutionary significance of Bryophytes Pteridophytes and Gymnosperms and to impart knowledge about diseases in plants SEMESTER 3
Cours e Code BO 1141 BO 1231	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes, Archegoniate and Plant pathology Microbiology, Phycology,	CO1 CO2 CO3 CO1 CO2 CO3	SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2 To familiarize characteristic features of microbes and their significance in environment To generate idea about types of algae, fungi, lichen and their economic as well as evolutionary significance To familiarize the students the characteristic features, life cycle and evolutionary significance of Bryophytes Pteridophytes and Gymnosperms and to impart knowledge about diseases in plants SEMESTER 3 To familiarise characteristic features of microbes and their significance.
Cours e Code BO 1141 BO 1231	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes, Archegoniate and Plant pathology Microbiology, Phycology, Mycology, Lichenology And Plant	CO1 CO2 CO3 CO1 CO2 CO3	Course Outcomes SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2 To familiarize characteristic features of microbes and their significance in environment To generate idea about types of algae, fungi, lichen and their economic as well as evolutionary significance To familiarize the students the characteristic features, life cycle and evolutionary significance of Bryophytes Pteridophytes and Gymnosperms and to impart knowledge about diseases in plants SEMESTER 3 To familiarise characteristic features of microbes and their significance. To creates awareness about importance of microbes inenvironment. To generates idea about types of algae, fungi, lichen and their economic as well as evolutionary
Cours e Code BO 1141 BO 1231	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes, Archegoniate and Plant pathology Microbiology, Mycology, Lichenology And Plant Pathology Bryology, Pte	CO1 CO2 CO3 CO1 CO2 CO3	SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2 To familiarize characteristic features of microbes and their significance in environment To generate idea about types of algae, fungi, lichen and their economic as well as evolutionary significance To familiarize the students the characteristic features, life cycle and evolutionary significance of Bryophytes, Pteridophytes and Gymnosperms and to impart knowledge about diseases in plants SEMESTER 3 To familiarise characteristic features of microbes and their significance. To creates awareness about importance of microbes inenvironment. To generates idea about types of algae, fungi, lichen and their economic as well as evolutionary significance.
Cours e Code BO 1141 BO 1231	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes, Archegoniate and Plant pathology Microbiology, Phycology, Mycology, Lichenology And Plant Pathology	CO1 CO2 CO3 CO1 CO2 CO3	SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2 To familiarize characteristic features of microbes and their significance in environment To generate idea about types of algae, fungi, lichen and their economic as well as evolutionary significance To familiarize the students the characteristic features, life cycle and evolutionary significance of Bryophytes, Pteridophytes and Gymnosperms and to impart knowledge about diseases in plants SEMESTER 3 To familiarise characteristic features of microbes and their significance. To creates awareness about importance of microbes inenvironment. To generates idea about types of algae, fungi, lichen and their economic as well as evolutionary significance. SEMESTER 4 To familiarise the students characteristic features and evolutionary significance of Bryophytes,
Cours e Code BO 1141 BO 1231	Angiosperm Anatomy, Reproductive Botany And Pali Nology Thallophytes, Archegoniate and Plant pathology Microbiology, Mycology, Lichenology And Plant Pathology Bryology, Pte Ridology, Gymnosperms	CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2 CO3	SEMESTER 1 To develop skills for identification of microscopic structures. To distinguish various tissue systems and internal structure. To acquire basic knowledge about embryo development and pollen grains. SEMESTER 2 To familiarize characteristic features of microbes and their significance in environment To generate idea about types of algae, fungi, lichen and their economic as well as evolutionary significance To familiarize the students the characteristic features, life cycle and evolutionary significance of Bryophyte Pteridophytes and Gymnosperms and to impart knowledge about diseases in plants SEMESTER 3 To familiarise characteristic features of microbes and their significance. To creates awareness about importance of microbes inenvironment. To generates idea about types of algae, fungi, lichen and their economic as well as evolutionary significance. SEMESTER 4 To familiarise the students characteristic features and evolutionary significance of Bryophytes, Pteridophytes and Gymnosperms.

SEMESTER 5

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	Angiosperm morphology, systematic botany,	COI	To introduce importance of morphological characters inclassification and plant identification.
	Botany, ethno botany and	CO2	To develop skill for herbarium preparation
		CO3	To acquire knowledge about economic, ethnobotanical significance and pharmacognosy of plants.
		COI	To create awareness about ecosystem and Natural resources.
во	Environmental Studies And Phytogeography	CO2	To generate knowledge knowledge about importance ofBiodiversity conservation.
1342	rnytogeography	CO3	To understand the need to mitigate pollution and Strategies for disaster management.
	Cell Biology,	COI	To create awareness about cellular organelles.
PO	Genetics And Evolutionary	CO2	To develop skills to identify cell stages and workout problems inclassical genetics.
1545	Biology	CO3	To introduce different theories of evolution.
			SEMESTER 6
	Plant Physiology	COI	To understand physiology of absorption, photosynthesis andrespiration.
BO1641		CO2	To study physiological responses in growth, movements and flowering of plants
		CO3	To generates awareness about biomolecules.
	Molecular Biology,	COI	To generate awareness of genetic material and gene expression.
BO 1642	General	CO2	To get an overview of information technology.
	Informatics & Bioinformatics	CO3	To develop skill for using internet, biological databases and molecular visualization tools.
	Horticulture,	C O1	To get an awareness in principles and methods of gardening.
BO 1643	Plant Breeding & Research	CO2	To understand plant breeding techniques and develop skill forhybridization
	Methodology	CO3	To get knowledge about research methodology and preparation ofprojects.

Name of the Programme: BCOM

CO1

Informatics and Cyber Laws

Course Code	Course Title		Course Outcomes
			SEMESTER 1
CO 1141	Environmental	CO1	To enable the students to acquire basic ideas about environmentand emerging issues about environmental problems.
	Studies	CO2	To give awareness about the need and importance of environmental protection.
	Methodology	COI	To create a basic awareness about the business environment and the role of business in economic development.
	and Perspectives of Business Education	CO2	To provide a holistic, comprehensive and integrated perspective tobusiness education.
		CO3	To give a fundamental understanding about ethical practices inbusiness.
	Management	COI	To equipe learners with knowledge of management concepts and their application in contemporary organisations
CO 1142	Concept and Thoughts	CO2	To familiarise the students with the concepts of operationsmanagement
	Managerial	COI	To provide the students an in depth knowledge in the context ofmanagerial decision making
	Economics	CO2	To familiarise the students with the economic principlesunderlying various business decisions
0.1131		CO3	To familiarise the students with the economic theories underlyingvarious business decisions
C 1			SEMESTER 2

To review the basic concepts and fundamental knowledge in the field of informatics and to create an SUMI ALEX awareness about the nature of the emerging digital knowledge society and the impact of informatics PPAL IN CHARGE business decisions.

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		CO2	To create an awareness about the cyber world and cyberregulations.
22 - 25 m P - 43 m 24 c	Business	CO1	To provide a brief idea about the framework of Indian businessLaws.
CO 1242	Regulatory Framework	CO2	To enable the students to apply the provisions of business laws inbusiness activities.
	Pinamaia)	COI	To familiarize the students with different methods of depreciation.
CO 1241	Financial Accounting	CO2	To equip the students to prepare the accounts of specialized business enterprises
			To familiarise the student with the basic mathematical tools
CO 1231	Business Mathematics	COI	To impart skills in applying mathematical tools in business practice
		CO2	SEMESTER 3
CO 1341	Entrepreneurshi p Development	COI	To familiarize the students with the latest programmes of Government in promoting small and medium industries.
		CO2	To impart knowledge regarding starting of new ventures.
CO 1342	Advanced Financial Accounting	COI	To create awareness of accounts related to dissolution of partnership firms.
CO 1343	Company Administration	CO2	To familiarise students with various aspects of Indian Companies ACT 2013
CO 1331	E-Bussiness	COI	To provide students a clear cut idea about E commerce and E Business and their types and models
CO 1331		CO2	To acquaint students with some innovative E Business Systems
		CO2	To Impart Knowledge on the basics of starting online Business
СО	Financial	CO1	To familiarise students with conceptual frame work of financial management
1361.1	Management	CO2	To enable the students to understand the practical application of financial management
co	Principles of	COI	To give knowledge about the development of cooperative movement in India and abroad
1361.2	Cooperation	CO2	To inculcate the principles of cooperation among the students
			SEMESTER 4
CO 1441	Indian	COI	To provide a clear-cut idea about the functioning of Indian Financial Market in general and Capital market operations inparticular.
CO 1441	Financial Market	CO2	To provide a clear-cut idea about the functioning of Indian Financial Market in general and Capital market operations inparticular.
		COI	To provide a basic idea about the theory and practice of banking
CO 1442	Banking and Insurance	CO2	To familiarise the students with the changing scenario of IndianBanking and insurance
		CO3	To provide a basic understanding of insurance Business
		COI	To familiarize the students with type of project appraisal, risk analysis project financing posting and value
	Project Finance		To provide an overview of global project appraisal issues
	Cooperative	COI	To familiarize the students with principals and practice of cooperative management and administration
	Management and administration		To enable the student to identify the issues in the process of management and administration of cooperative
CO 1461.2	mm000000000000000000000000000000000000	CO2	To enable the student to identify the issues in the process of management and administration of cooperat
			SEMESTER 5
		COI	To impart the basic understanding of the concepts and practices of Income Tax Law in India
	Fundamentals Of Income Tax	CO2	To familiarize the students about the fundamental concepts ofIncome Tax
		CO3	To enable the students to acquire the skills required to computeGross Total Income
Lie		COI	To familiarise the student with cost concepts and fundementals of cost accounting
1542	Cost Accounting	CO2	To acquaint the students with the measures of cost control
31960	Marketing	CO3	To make the students learn cost accounting as a separate system of accounting Dr. SU PRINCIPA To impart the knowledge of various concepts of modern marketing management ST. GREGOR
	Management	COI	
2 8		CO2	To provide an understanding of the contemporary marketing process in the emerging business Scharle

Financial services in India		COI	To provide a general awareness about the Financial services in
0	in non	CO2	To familiarise the student with the structure and functioning of financial services in Indian Financial System- Developments-Classification
561.1	Cooperative legal	COI	To give an insight into the prevailing Cooperative legal System
co.	System	CO2	To enable the student to understand legal framework of cooperation
561.2			OFMECTED 4
	T		SEMESTER 6 To familiarise students with the principles and procedure of auditing
		COI	
CO 1641	Auditing	CO2	To understand the duties and responsibilities of auditors
		CO3	To familiarise the students with the audit of various types of companies
		CO1	To acquaint the students with different methods and techniques of costing
со	Applied	CO2	To understand students abount various types of costs in anorganisation
1642	Costing	CO3	To develop the skill required for the application of methods and techniques in managerial decision making
		CO1	To enable the students to have thorough knowledge on themanagement accounting techniques in decision making
CO 1643	Management Accounting	CO2	:To develop professional competence and skill in applying accounting information for decision making.
		CO3	To equip the students to interpret financial statements with specific tools of management accounting
		CO1	To enable the students to understand the provisions of income tax for computing total income and tax liability of various persons
CO 1661.1	Taxation law and	CO2	To Familiarize students with the procedure of income Tax assessment
		CO1	To familiarize students with the special features of accounting and audit in coporatives
		CO2	To enable the students to understand the procedures of cooperative audit
CO 1661.2	Cooperative Accounting		
661.2	Accounting	mme: B	Beom Computer Application
Name Cours	of the Progra	mme: B	Beom Computer Application Course Outcomes
Name Cours	of the Progra	mme: E	
Name Cours	of the Progra Course Title Methodology		Course Outcomes
Name Cours e Code	af the Progra Course Title	COI	Course Outcomes SEMESTER 1 To provide the students an in depth knowledge of higher learningin business education
Cours e Code	of the Progra Course Title Methodology and Percpectives	CO1	Course Outcomes SEMESTER 1 To provide the students an in depth knowledge of higher learning in business education To understand business and its role in society
Cours e Code	of the Progra Course Title Methodology and Perepectives ofBusiness	CO1 CO2 CO3	Course Outcomes SEMESTER 1 To provide the students an in depth knowledge of higher learning in business education To understand business and its role in society To understand entrepreneurship and its heuristics
Cours e Code	Ourse Title Methodology and Perepetives of Business Education	CO1 CO2 CO3	Course Outcomes SEMESTER 1 To provide the students an in depth knowledge of higher learningin business education To understand business and its role in society To understand entrepreneurship and its heuristics To enable students to aquire basic ideas about environment.
Cours e Code	of the Progra Course Title Methodology and Perepectives ofBusiness	CO1 CO2 CO3	Course Outcomes SEMESTER 1 To provide the students an in depth knowledge of higher learning in business education To understand business and its role in society To understand entrepreneurship and its heuristics To enable students to aquire basic ideas about environment. To impart knowledge about emerging issues about Industry andervironmental problems
Cours e Code	Ourse Title Methodology and Perepectives of Business Education Environmental	CO1 CO2 CO3	Course Outcomes SEMESTER 1 To provide the students an in depth knowledge of higher learning in business education To understand business and its role in society To understand entrepreneurship and its heuristics To enable students to aquire basic ideas about environment.
Name Cours	Ourse Title Methodology and Perepectives of Business Education Environmental	CO1 CO2 CO3 CO1	Course Outcomes SEMESTER 1 To provide the students an in depth knowledge of higher learningin business education To understand business and its role in society To understand entrepreneurship and its heuristics To enable students to aquire basic ideas about environment. To impart knowledge about emerging issues about Industry andervironmental problems

		COI	To provide the students an in depth knowledge in the context ofmanagerial decision making
00 1131	Managerial Economics	CO2	To familiarise the students with the economic principlesunderlying various business decisions
	Economics	CO3	To familiarise the students with the economic theories underlyingvarious business decisions
			SEMESTER 2
		COI	To review the basic concepts and fundamental knowledge in thefield of informatics.
CO 1221	Informatics and Cyber Laws	CO2	To create awareness about the nature of the emerging digitalknowledge society
		CO3	To understand the impact of informatics on business decisions.
	Financial	CO1	To familiarize the students with different methods of depreciation.
CO 1241	Accounting	CO2	To equip the students to prepare the accounts of specialized business enterprises
	Business	COI	To provide brief idea about framework of Indian business laws
CO 1242	Regulatory framework	CO2	To understand the provisions of Law of contract and Special Contracts
	D	COI	To familiarise the student with the basic mathematical tools
CO 1231	Business Mathematics	CO2	To impart skills in applying mathematical tools in business practice
			SEMESTER 3
		COI	To understand the conceptual framework of entrepreneur
CO 1341	Entrepreneurshi	CO2	To familiarise the students with the latest programs of the government authorities in promoting small and medium industries
	p Development	CO3	To equip the students to have a practical insight for becoming anentrepreuneur
		COI	To familiarise students with various aspects of Indian CompaniesACT 2013
CO 1343	Company Administration	CO2	To acquaint the students about Management and Administration of Companies
		CO3	To comprehend the students about Compliance requirements of acompany
		COI	To create an awareness about various accounts of partnershipbranch joint venture etc
CO 1342	Advanced Financial Accounting	CO2	To create awareness of accounts related to dissolution ofpartnership firms.
1167		CO3	To enable students to prepare accounts of consignments
	E Business	COI	To provide students a clear cut idea about E commerce and E Business and their types and models
CO 1331	E Business	CO2	To acquaint students with some innovative E Business Systems
		CO3	To Impart Knowledge on the basics of starting online Business
		COI	To give functional knowledge in the field of free software.
CO 1361.5	Computer Application for Publications	CO2	To develop practical skills in document preparation, publishingand business presentation
	Tubications	CO3	To update skills in electronic data processing and computerapplication in business operations
			SEMESTER 4
	Indian Financial Market	CO1	To Provide a clear cut idea about Indian financial market in general and capital market operations in particula
1/2	1	CO1	To provide a basic idea about the theory and practice of banking
(1) 1/4/27	Banking and Insurance	CO2	To familiarise the students with the changing scenario of IndianBanking and insurance PRINCIPAL IN

To provide a basic understanding of insurance Business

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CO3

			To understand the students about the accounting standards and IFRS	
		COI		
CO 1443	Corporate Accounting	CO2	To create an awareness about various provisions of CompaniesAct 2013	
T		CO3	To enable the students to prepare and interpret Financial statements of Joint stock companies	
CO 1431	O 1431 Business Statistics	CO1	To enable the students to gain understanding of statistical techniques as are applicable to Business.	
		CO2	To enable the students to apply statistical techniques in business	
	Software for	COI	To familiarise students with the basics of software fordatamanagement	
CO 1461.5	Data Management	CO2	To develop theoretical and technical expertise in applyingsoftware for data management	
		CO3	To develop practical skills in spreadsheet application	
			SEMESTER 5	
		COI	To impart the basic understanding of the concepts and practices of Income Tax Law in India	
CO 1541	Fundamentals of Income Tax	CO2	To familiarize the students about the fundamental concepts ofIncome Tax	
		CO3	To enable the students to acquire the skills required to computet	
		CO1	To familiarise the student with cost concepts and fundementals of cost accounting	
CO 1542	Cost Accounting	CO2	To acquaint the students with the measures of cost control	
		CO3	To make the students learn cost accounting as a separate systemof accounting	
		CO1	To provide an understanding of the contemporary marketing process in the emerging business scenario	
CO 1543	Marketing Management	CO2	To study various aspect of application of modern marketing technique for obtaining a competitive advantage in business organisations	
	Distribute 6	COI	To familiarise the students with various management principlesand equip them to apply in various business situations	
CO 1551.2	Principles of Management	CO2	To develop the students the art of decision making	
		CO3	To understand various control techniques and methods	
CO 1551.1	Fundamentals of financial	CO1	To enable students to acquire knowledge in the basic principles and practices of financial accounting To equip the students to maintain various type of ledgers and to prepare final accounts	
	accounting	CO2	To develop the students the art of decision making	
CO 1561.5	Web designing and production for business	CO3	To understand various control techniques and methods	
		CO3	To acquaint students with mark up languages like html and xml	
CHAPSEL .			SEMESTER 6	
		COI	To familiarise students with the principles and procedure of auditing	
CO 1641	Auditing	CO2	To understand the duties and responsibilities of auditors	
200		CO3	To familiarise the students with the audit of various types of companies	
A CONTRACTOR	1	COI	To acquaint the students with different methods and techniques of costing	
O 1642	Applied	CO2	To understand students abount various types of costs in anorganization	
	Costing	CO3	To develop the skill required for the application of methods and techniques in managerial decision RINGPA ST. GREGO	IMI ALEX

ZO 1541	Cell and Molecular Biology	CO2	They understand the principles of molecular biology and gene manipulation.
		CO3	Students understand the fundamental differences between prokaryotic and eukaryotic cells
		CO4	Students learn the structure, replication and modification of the genetic material of eukaryotes.
		CO5	Students understands the mechanism of gene expression and gene regulation.
		CO6	Gets an awareness of bacterial recombination.
		·CO7	Students acquire scientific knowledge on cancer and ageing.
ZO 1543	Immunology and Micro	COI	Students understand the scope and importance of clinical immunology
	biology	CO2	Students understand the principles and mechanisms of immunology
		CO3	Learn the malfunctioning and disorders of the immune system
		CO4	Students acquire knowledge on immunodeficiency diseases.
		CO5	Students acquire knowledge on immunodeficiency diseases.
		CO6	Transplantation and mechanism of Graft retention and rejection are learned.
		CO7	Students get a brief history of microbiology.
		CO8	Students develop a broad understanding of the positive as well as negative aspects of microbes.
		CO9	Economic importance (applied aspects) of microbes in industry can be studied.
		COI	To learn the principles of nutrition and dietetics
ZO 1551	Public Health and Hygiene	CO2	To understand the ill effects of modern lifestyle
		CO3	To study the advantages of being hygienic
			SEMESTER 6 Students develop a place and actualing of the correlation and
	Physiology and	COI	Students develop a clear understanding of the correlation and coordination between the structure and function of different organs and organ systems of the body. •. •. •
ZO 1641	Biochemistry	CO2	Proper study on the physiology help students understand the physiology of different organ systems of the body
		CO3	Students learn the correlation between diseases and the abnormal structure or improper functions of organs.
		CO3	Students understand the possible causes of abnormal physiology and the resultant diseases.
		CO4	Students understand the structure and functions of bio-molecules and their role in metabolism
		CO5	This course opens new areas of research to students.
		COI	To study the various stages involved in the developing embryo
ZO 1642	Developmental Biology and Experimental	CO2	To study the initial developmental procedures involved inAmphioxus, Frog and chick
00	Embryology	CO3	To procure information on state- of- the art experimental procedures in embryology.
2		COI	To learn the principles, applications and management of environmental science. Dr. St PRINCIPA

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ZO 1643	Ethology,	CO2	To study the inherent morphological and physiological bases of behavioral pattern exhibited by vertebrates.
	Evolution and Zoogeography	CO3	To get an exhaustive knowledge of organic evolution with specialreference to man.
zo	Vermiculture and Apiculture	COI	To learn the basic procedure and methodology of vermiculture
1651.1		CO2	To learn the scope and methodology of apiculture
Name o	of the Program	nme: I	BA POLITICAL SCIENCE
Course Code	Course Title		Course Outcomes
Couc			SEMESTER 1
The control of	PERSPECTIVE	COI	Understand the nature and relevance of social and political sciences
PS 1141	S OF SOCIAL AND	CO2	Basic knowledge in the application of scientific method in social sciences and its limitations
	POLITICAL SCIENCES	CO3	Enable the students in placing political science in the wider domains of social sciences and their interrelations
		CO4	Familiarize students with emerging terrains of political science and its critical evaluation
			SEMESTER 2
	INTRODUCTI	COI	Understand the nature and relevance of Political theory
PS 1241	ON TO POLITICAL	CO2	Basic knowledge about various approaches to the study of Political theory
	THEORY	CO3	Enable the students in the application of various theories and concepts of Political Theory
		CO4	Critically evaluate the different perspectives of key concepts of political theory
			SEMESTER 3
		COI	Understand and describe the basic concepts and ideas related cyber politics
PS 1321	CYBER POLITICS	CO2	familiarize the features of various social media platforms and the emergence of internet based public sphere
		CO3	capability to explain the dynamics and processes associated with cyber politics both nationally and globally
		CO4	Acquired knowledge in the field of cyber politics by engaging the critical issues affecting the rights an freedoms of the citizens in the country
		CO1	Understand the major features and the essence of Indian constitution
PS 1341	INDIAN CONSTITUTIO N	CO2	create awareness about one's own rights and duties as well as a sense of respect and protection of other rights
	Ī	CO3	Familiarize the students about the composition and functions of various Institutions of Union and federal Governments.
		CO4	Critically evaluate Indian judicial system and recent developments
The state of			SEMESTER 4
PS 1441	DYNAMICS OF INDIAN	VNAMICS CO1 Understand the peculiar feature	Understand the peculiar features of Indian federal system and nature of Centre-state relations
15 1441	POLITICS	CO2	Critically examine the tendency of regionalism and secessionism in India
	-	соз	Understand and evaluate emerging trends in Indian Democracy
		CO4	Critically analyse the major factors which pose threat to Indian Democracy and political System
18/	O. Web Service	COI	To understand the basic concepts and changing nature of comparative politics
S 1442	ON TO COMPARATI	CO2	To understand and compare the basic features of constitutional development in major countries.
V	VE POLITICS	CO3	To familiarise the students about the Federal and Unitary systems of major Political Systems and evaluate the changing dimensions

		CO4	To acquire ability to compare and analyse the political structures in different political systems in a comparative perspective.
		line 70	SEMESTER 5
	PUBLIC	COI	Converse with meaning and nature of Public Administration and familiar with different approaches in public administration
PS 1541		CO2	Understand critically various principles of organisations and the role of Chief Executive and independent Regulatory Commissions
	nathon	CO3	Comprehend the significance of Bureaucracy in Public Administration and familiarize the recruitment process and training
		CO4	Understand the features of Financial Administration in India, focusing on the budgetary process and the role of the CAG
		CO5	Understand the emerging trends in Public Administration in India
	ANCIENT	COI	Acquire understanding on the ancient Greek ideas on state and society
PS 1542		CO2	Understand and analyses the Roman Political ideas and compare it with Greek idea
	POLITICAL THOUGHT	CO3	Understand ancient Indian wisdom and compare it with other idea
		CO4	Analyse and evaluate the Medieval political ideas critically
	INTERNATIO	COI	To understand the nature and the Scope of International Relation
PS 1543	NAL RELATIONS	CO2	To impart basic knowledge about basic concepts and theories of International Relations.
		CO3	To enable the students to evaluate foreign policy decisions and its implications on Diplomatic relation
		CO4	To critically evaluate the various issues of global politics.
		COI	To introduce the nature and modalities of research in Social Sciences in general and Political Science particular.
PS 1544	METHOD	CO2	To understand the major steps involved in arriving at a research topic and developing it further
	OLOGY	CO3	To expose students to the practicalities of research in Political Science, particularly in regard to data collection.
		CO4	To facilitate students critically analyse the collected data and create a scientific report of their own
100000000000000000000000000000000000000	HUMAN RIGHTS IN INDIA	COI	Impart basic understanding about the concept of Human Rights, its evolution and importance in our society
		CO2	To Understand the role and functions of international human rights mechanisms in the changing international order
		CO3	To have a need based understanding of the instituional arrangements in India at various levels to prote Human Rights
		CO4	To develop a critical understanding of the issues faced by socially excluded groups like Dalits, Wome Children, Differently Abled, Transgender at the national level
-			SEMESTER 6
	MODERN	COI	To introduce the idea of state and government through the conceptual cues of the social contract theories of the 17th century in Europe
S 1641	POLITICAL THOUGHT	CO2	To provide adequate understanding of the utilitarian tradition and lead the students to maintaining proper awareness of countervailing traditions of the liberals, with special reference to German Idealist philosopher W. H. Hegel
		ÇO3	To equip students to analyse contemporary political reality with the help of the theoretical tools provided by Socialist theorists.
		CO4	To familiarise students with the application of the notion of governmentality introduced by Michel Foucault.
and the same of		CO5	To evaluate the creative potential of Gandhi's and Ambedkar's views on Social order, modern state created and methods of conflict resolution
3	X.	COI	Understand the major social and political trajectories that moulded the modern state of Kerala
S 1642	STATE AND SOCIETY IN KERALA	CO2	Understand the present political structure of Kerala and evaluate the deep rooted societal identities of Kerala and relate its relevance
15	/	CO3	Analyse the aspects of political economy of Kerala PRINCIPA
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		CO4	Demonstrate the understanding of the Contemporary discourses in Kerala's society To acquire knowledge on the concept of decentralisation and to be able to understand its theoretical
	DECENTRALI SATION AND	COI	perspectives
PS 1643	PARTICIPATO RY	CO2	To understand the concept of participatory democracy and to internalise its values
	DEMOCRACY	CO3	To evaluate the emergence of decentralisation in India and to analyse the features of 73rd and 74th Constitutional Amendment Ac
		CO4	To familiarise and practice the contrivances of participatory democracy
		COI	To understand the notion of New Social Movements (NSMs) using major approaches and theories
PS 1644	NEW SOCIAL MOVEMENTS	CO2	To explore the gender-based New Social movements with examples from the Western and non-Western World
	MOVEMENTS	CO3	To evaluate the trajectory and impact of New Social Movements in India.
		CO4	To analyse the nature of New Social Movements in Kerala and the underlying reasons for its emergence
Name	of the Program	nme: F	BSc PHYSICS
Course Code	Course Title		Course Outcomes
			SEMESTER 1
	BASIC	COI	To understand the dynamics of Rigid bodies.
PY 1141		CO2	Identify and describe oscillations of different kinds seen inphysical systems.
	PROPERTIES OF MATTER	CO3	To acquire basic knowledge of elasticity, surface tension and fluiddynamics
			SEMESTER 2
PY 1241	HEAT AND THERMO	CO1	To understand heat-transfer, Laws of thermodynamics and Entropy.
	DYNAMICS	CO2	To get preliminary understanding of Statistical Physics
ENT			SEMESTER 3
		CO1	To get detailed knowledge of Electrostatics, Magnetostatics and Electromagnetic induction.
PY 1341	DYNAMICS	CO2	Thoughtful concept of Maxwell's equations and its application.
		CO3	To obtain detailed knowledge of transient currents, alternating current and circuit theory
on and			SEMESTER 4
	CLASSICAL AND	COI	Develop understanding of dynamics of particles, motion undercentral force field and basic theory of collisions.
PY 1441	RELATIVISTI C MECHANICS	CO2	Describe how the symmetries of space and time lead to conservation laws and to develop preliminary understanding of Lagrangian dynamics
			SEMESTER 5
		COI	Understand the statistical interpretation of wave function and todevelop knowledge of Schrodinger equation.
PY 1541	QUANTUM MECHANICS	CO2	To analyse and work on some exactly solvable problems inone dimension.
		CO3	To impart knowledge of the mathematical formalism of quantummechanics
	STATISTICAL MECHANICS	COI	To obtain an insight in the basics of Maxwell's, Fermi -Dirac and Bose -Einstein statistics
PY 1542	RESEARCH METHODOLO GY AND	CO2	To understand basics of research methodology in scientific research.
COL	DISASTER MANAGEMEN	CO3	To enable students to respond, act and mitigate natural disasters.
C c c c c c c c c c c c c c c c c c c c	to 1	COI	To understand working, design and application of Diodes, Transistor circuits, Field Effect TransitorSUMI Small and largesignal amplifiers, Feedback circuits and Oscillators. PRINCIPAL IN ST. GREGORIO

TOMIC AND PHYSICS COI To understand the different forms of renewable and conventional energy SEMESTER 6 COI To study about Crystal structure and inter atomic forces X-ray, nutron and electron diffraction To anderstand the different forms of renewable and conventional energy SEMESTER 6 COI To study about Crystal structure and inter atomic forces X-ray, nutron and electron diffraction To anderstand Nuclear structure and nuclear models, Radio-Activity, Nuclear forces Radiation detectors and particle accelerators Nuclear reactions, Nuclear fission and fusion PARTICLE PHYSICS CO2 Cosmic mys and elementary particles PHYSICS CO3 Cosmic mys and elementary particles CO3 Cosmic mys and elementary particles CO4 COMPUTER CO4 CO4 CO4 CO4 CO5
Solid State Physics Col energy SEMESTER 6
SEMESTER 6 SOLID STATE PHYSICS CO1 To study about Crystal structure and inter atomic forces X-ray, neutron and electron diffraction Superconductivity
COLD STATE PHYSICS CO2 Free electron theory and Band theory Magnetic, Dielectric and Optical properties of materials, and basics of superconductivity
SOLID STATE PHYSICS CO2 Free electron theory and Band theory Magnetic, Dielectric and Optical properties of materials, and basics of superconductivity Tounder stand Nuclear structure and nuclear models, Radio-Activity, Nuclear forces Radiation detectors and particle accelerators Nuclear reactions, Nuclear fission and fusion Tounder stand Nuclear structure and nuclear models, Radio-Activity, Nuclear forces Radiation detectors and particle accelerators Nuclear reactions, Nuclear fission and fusion Tounder stand Nuclear structure and nuclear models, Radio-Activity, Nuclear forces Radiation detectors and particle accelerators Nuclear reactions, Nuclear fission and fusion Tounder stand Nuclear structure and nuclear models, Radio-Activity, Nuclear forces Radiation detectors and particle accelerators Nuclear reactions, Nuclear fission and fusion Tounder stand Nuclear structure and nuclear models, Radio-Activity, Nuclear forces Radiation detectors and particle accelerators Nuclear reactions, Nuclear fission and fusion Tounder stand Nuclear structure and nuclear models, Radio-Activity, Nuclear forces Radiation detectors and particle accelerators Nuclear reactions, Nuclear fission and fusion Tounder stand Nuclear reactions, Nuclear fission and fusion Tounderstand Sunwing and comparts and Lasers. Basicsconcepts of Holography To study and work on Number systems, Boolean algebra and logicgates and some arithmetic and sequential circuits. To study and work on Number systems, Boolean algebra and logicgates and some arithmetic and seque
Free electron theory and Band theory Magnetic, Dielectric and Optical properties of materials, and basics of superconductivity NUCLEAR AND PARTICLE PHYSICS CO1 Tounder stand Nuclear structure and nuclear models, Radio-Activity, Nuclear forces Radiation detectors and particle accelerators Nuclear reactions, Nuclear fission and fusion CO2 Cosmic rays and elementary particles CO3 Detailed knowledge of Interference and Diffraction, Polarization and Dispersion. Preliminaries of Fiber optics and Lasers. Basicsconcepts of Holography COMPUTER SCIENCE CO2 To study and work on Number systems, Boolean algebra and logicgates and some arithmetic and sequential circuits. CO3 To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orie
MUCLEAR AND PARTICLE PHYSICS CO2 Cosmic rays and elementary particles CO3 Cosmic rays and elementary particles CO4 COSMIC rays and elementary particles CO5 COSMIC rays and elementary particles CO5 COSMIC rays and elementary particles CO6 COMPUTER SCIENCE CO7 COMPUTER SCIENCE CO8 CO8 CO8 CO8 CO8 CO9 COMPUTER SCIENCE CO1 To understand basics of computers and memory systems. CO2 To understand basics of computers and memory systems. CO3 To learn and apply C programming and computer orientednumerical methods CO6 CO7 COMPUTER SCIENCE CO9 To understand the Universe, Stars and earth's atmosphere CO7 CO8 CO8 CO9
CLASSICAL AND MODERN CO1 Detailed knowledge of Interference and Diffraction, Polarization and Dispersion Preliminaries of Fiber optics and Lasers. Basicsconcepts of Holography Dotailed knowledge of Interference and Diffraction, Polarization and Dispersion Preliminaries of Fiber optics and Lasers. Basicsconcepts of Holography CO2 To study and work on Number systems, Boolean algebra and logicgates and some arithmetic and sequential electricity. CO2 To understand basics of computers and memory systems. CO3 To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To understand the Universe, Stars and earth's atmosphere CO1 Familiarization with some simple experiments in electricity and magnetism Analysis of experimental data with error calculations Experiments in Electronics. Solving some simple problems in physics using numerical methods by implementing them in Cprogramming language Name of the Programme: BA. ENGLISH & COMMUNICATIVE ENGLISH COURSE Course Title CO3 CO3 Comprehend the nature and characteristics of literature CTION TO LTTERAR Y STUDIES CO1 Introduce varied literary representations. CO2 CO3 Comprehend the nature and characteristics of literature CTION TO LTTERAR Y STUDIES CO3 CO3 CO4 Advance unique soft sills which is beneficial for a successful life and better career performances Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for Specific Purpose
AND MODERN CO1 and Dispersion. Preliminaries of Fiber opties and Lasers. Basicsconcepts of Holography and Dispersion. Preliminaries of Fiber opties and Lasers. Basicsconcepts of Holography CO2 To study and work on Number systems, Boolean algebra and logicgates and some arithmetic and sequential circuits. CO3 To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To understand the Universe, Stars and earth's atmosphere SCIENCE CO1 Familiarization with some simple experiments in electricity and magnetism Analysis of experimental data with error calculations Experiments in Electronics. Solving some simple problems in physics using numerical methods by implementing them in Cprogramming language Name of the Programme: BA. ENGLISH & COMMUNICATIVE ENGLISH COURSE Code CO2 CO3 Possess a foundational understanding of literary forms and representation STUDIES SOFT SKILLS CO1 Advance unique soft sills which is beneficial for a successful life and better career performances CO2 Increase personal, social and professional skills CO3 CO3 Confront their surroundings enthusiastically with confidence Understand ISP and differentiate English for Specific Purpose
DIGITAL ELECTRONIC CO1
DIGITAL ELECTRONIC SPACE COMPUTER SCIENCE CO3 To understand basics of computers and memory systems. CO4 To understand basics of computers and memory systems. CO5 To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods CO5 To understand the Universe, Stars and earth's atmosphere CO6 To understand the Universe, Stars and earth's atmosphere Familiarization with some simple experiments in electricity and magnetism Analysis of experimental data with error calculations Experiments in Electronics. Solving some simple problems in physics using numerical methods by implementing them in Cprogramming language Name of the Programme: BA. ENGLISH & COMMUNICATIVE ENGLISH Course Title Course Title CO3 To understand basics of computers and memory systems. CO6 To understand the Universe, Stars and earth's atmosphere Experiments in electricity and magnetism Analysis of experimental data with error calculations. Experiments in Electronics. Solving some simple problems in physics using numerical methods by implementing them in Cprogramming language CO6 SEMESTER 1 CO1 LITERAR TOTON TO LITERA
COMPUTER SCIENCE CO3 To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To learn and apply C programming and computer orientednumerical methods To understand the Universe, Stars and earth's atmosphere CO1 Familiarization with some simple experiments in electricity and magnetism Analysis of experimental data with error calculations ADVANCED LAB2 CO1 Familiarization with some simple experiments in electricity and magnetism Analysis of experimental data with error calculations Experiments in Electronics, Solving some simple problems in physics using numerical methods by implementing them in Cprogramming language Name of the Programme: BA. ENGLISH & COMMUNICATIVE ENGLISH Course Title Course Title Course Outcomes SEMESTER 1 CO2 Comprehend the nature and characteristics of literature CO3 Possess a foundational understanding of literary forms and representation TO3 Advance unique soft sills which is beneficial for a successful life and better career performances CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
To learn and apply C programming and computer orientednumerical methods
ADVANCED PHYSICS LAB2 CO1 Familiarization with some simple experiments in electricity and magnetism Analysis of experimental data with error calculations Experiments in Electronics. Solving some simple problems in physics using numerical methods by implementing them in Cprogramming language Name of the Programme: BA. ENGLISH & COMMUNICATIVE ENGLISH Course Outcomes SEMESTER 1 CO1 Introduce varied literary representations. CO2 Comprehend the nature and characteristics of literature CO3 Possess a foundational understanding of literary forms and representation STUDIES CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
ADVANCED PHYSICS LAB2 CO1 Familiarization with some simple experiments in electricity and magnetism Analysis of experimental data with error calculations ADVANCED PHYSICS LAB3 Name of the Programme: BA. ENGLISH & COMMUNICATIVE ENGLISH Course Outcomes SEMESTER 1 CO1 Introduce varied literary representations. CO2 Comprehend the nature and characteristics of literature CO3 Possess a foundational understanding of literary forms and representation STUDIES CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
Name of the Programme: BA. ENGLISH & COMMUNICATIVE ENGLISH Course Title Course Title Course Title Course Outcomes SEMESTER 1 INTRODU CTION TO LITERAR Y STUDIES SOFT SKILLS CO1 Advance unique soft sills which is beneficial for a successful life and better career performances CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
Name of the Programme: BA. ENGLISH & COMMUNICATIVE ENGLISH Course Outcomes SEMESTER 1 CO1 Introduce varied literary representations. CO2 Comprehend the nature and characteristics of literature CO3 Possess a foundational understanding of literary forms and representation CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
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INTRODU CTION TO LITERAR Y STUDIES CO1 Introduce varied literary representations. CO2 Comprehend the nature and characteristics of literature CO3 Possess a foundational understanding of literary forms and representation SOFT SKILLS CO1 Advance unique soft sills which is beneficial for a successful life and better career performances CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose CO3 Confront their surroundings enthusiastically with confidence CO3 Confront their surroundings enthusiastically with confidence CO3 CO5 CO
INTRODU CTION TO LITERAR Y STUDIES CO3 Possess a foundational understanding of literary forms and representation
CTION TO LITERAR Y STUDIES CO3 Possess a foundational understanding of literary forms and representation CO3 Possess a foundational understanding of literary forms and representation CO3 CO4 Advance unique soft sills which is beneficial for a successful life and better career performances CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
Y STUDIES G 1171 SOFT SKILLS CO1 Advance unique soft sills which is beneficial for a successful life and better career performances CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
SOFT SKILLS CO1 Advance unique soft sills which is beneficial for a successful life and better career performances CO2 Increase personal, social and professional skills CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
CO3 Confront their surroundings enthusiastically with confidence Understand ESP and differentiate English for General Purpose and English for Specific Purpose
Understand ESP and differentiate English for General Purpose and English for Specific Purpose
Understand ESP and differentiate English for General Purpose and English for Specific Purpose
ENGLISH FOR COI
SPECIFIC CO2 Be able to speak and write English for various specific purposes
PURPOSES CO3 Understand ESP and differentiate English for General Purpose and English for Specific Purpose SEMESTER 2
CO1 Familiarize the historical phases of British literature
BRITISH CO2 Provide glimpses of writers and literary texts that are pivotal to an understanding of British literature
LITERAT URE I CO3 Discuss the development of British literature across time from Pre-Elizabethan to Restoration Era
Be able to identify themes of resistance in different forms and genres of literature and to identify injustices related to race, ethnicity, sexuality, gender etc. prevalent in society
OF CO2 Develop an idea of literature as a form of resistance to all forms of totalitarian authority
RESISTANCE CO3 Understand the inter connection between various genres in manifesting resistance and how it becomes
an undeniable presence in the everyday narratives of literary and other artistic expressions
NARRATIVE COI Make students cognizant regarding pressing social issues and to apply language skills, knowledge, and
social skills to identify and defend human rights violations SOF SOCIAL CO2 Acquire skills of social work intervention in human needs and societal issues Dr. SU

	JUSTICE AND RESTITUTIO	CO3	Consider the importance of law and imbibe a clear set of values which informs the social work practice
CG 1231	LANGUAGE	CO1	Develop specific language skills for various media
	FOR THE MEDIA	CO2	Comprehend the trends and evolution of language use in media
		CO3	Understand the role and use of language in the evolutionary history of media
			SEMESTER 3
		COI	Knowledge of the paradigm shifts in the development of English
CG 1321	EVOLUTION	CO2	Imbibe the plural socio cultural factors that went in to the shaping of the English Language
00 1321	OF THE ENGLI SH LANG	CO3	Recognize the politics of many 'Englishes
	UAGE	CO1	Sensitize students to the changing trends in British literature in the 18th and 19th centuries and connect it with the sociocultural and political developments
CG 1341	BRITISH LITERATURE II	CO2	Develop the critical thinking necessary to discern literary merit and to recognize paradigm shifts in literary representations
	11	CO3	Connect literature to the historical developments that shaped the British history
	POPULAR	CO1	Understand the categories of the —popular and the —canonical
CG 1342	LITERAT URE	CO2	Identify the conventions, formulas, themes and styles of popular genres such as detective fiction, the science fiction and fantasy, and children's literature and assess the literary and cultural formation of the popular
		CO3	Sensitize students to the ways in which popular fiction reflects and engages with questions of gender, identity, ethics and education.
	TD ANCL AT	COI	To appreciate Translation Studies as an independent academic discipline
CG 1371	JRANSLATI	CO2	To critically reflect on the process of translation and its types
		CO3	To build a genuine interest and to focus on a career in the field of translation
	ENVIR ONMEN T STUDIE S AND DISAST ER MANAG EMENT	CO1	understand environmental crises and disaster management situations
CG 1331		CO ₂	take lead in spreading environmental values and creating awareness among the public respond in a better way to a natural calamity or disaster and articulate environmental concerns using
-1455-00-1			SEMESTER 4
	PEADING	COI	Recognize various types of prose writings.
CG 1441	READING PROSE	CO2	Analyse, understand and appreciate prose writings Write creatively and critically in an expository or argumentative way
	WORLD	COI	Read and appreciate classical works.
CG 1442	CLASSICS	CO2	Evaluate classical texts critically.
	LUCTORY OF	CO3	Place and assess their own culture and classics. Identify the various language families
CG 1431	HISTORY OF ENGLISH	CO2	Trace the evolution of the English language
	LANGUAGE	CO3	List the changes in the different areas of the language
CG 1471	PRINT AND ONLINE	COI	Get acquainted with print and online media and its characteristics
	WRITING	CO2	Equip students with basic knowledge about news reporting and the challenges in online media
CG 1472	THEATRE	COI	To sensitize students that theatre is praxis
	STUDIES	CO2 CO3	To develop the listening and writing skill of students To help students appreciate theatre
		COI	Get acquainted with varied socio-cultural and political experiences and expressions
CG 1441	20 TH CENTURY WORLD	CO2	Gain a theoretical grounding to read literatures in English from different regions and accept the fact th world literature is literature that gains in translation
	LITERATU RE	CO3	Learn to avoid homogenising cultures and languages and protect the diversity of languages and culture present in literary works
CG 1442	20 TH	COI	Discern the varied milieu of the development and growth of Malayalam literature and be sensitive to i socio cultural and political implications
0 25	CENTUR Y MALAY	CO2	Get a basic knowledge of the literary and the non-literary works produced in Malayalam and the polition of its plurality
	ALAM LITERAT	CO3	Sense the distinctness of the socio-cultural- political arena in which Malayalam literature developed Dr. SU
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	URE IN TRANSL ATION		
	LANGUAGE	CO1	Students must be able to identify the different steps and stakeholders involved in the editorial process
G 1471	EDITING AND PUBLISHING	CO2	Acquire a working knowledge of the mechanics of editing and proof reading and utilize the same on a practical level to create error-free, well edited texts Be sensitized to the legal aspects involved in editing and publishing and find gainful employment in the
		CO3	editing and publishing industry
an in the care	CONTENT	CO1	Understand what content writing is and attain an awareness of its scope
1472	WRITING	CO2	Gain familiarity with various digital platforms and the formats of online publications
	The Brown and	CO3	Strengthen content writing skills through practice tasks and gain an awareness about style and specifications in digital media platforms
		CO1	Familiar with various forms of travel writing
G 1431	RES OF TRAVEL	CO2	Able to effectively produce content using them Acquire language proficiency for professional opportunities and academic settings related to Travel and
	AND TOURISM	CO3	Tourism
		TONIN	SEMESTER 5
a convers	FILM	COI	Recognize the language of films and use it creatively
G 1541	STUDIES	CO2	Analyze films from both technical and non-technical perspectives
		CO3	Use film as a medium of communication and derive an interest in various careers related to film
	INDIAN	CO1	Trace the historical and literary genesis and development of Indian Writing in English
G 1542	LITERATURE	CO2	Comprehensive understanding of the major movements in Indian Writing in English across varied periods and genres
		CO3	Address the plurality of literary and socio-cultural representations within Indian life as well as letters
G 1543	CRITICISM AND	COI	Analyze and appreciate texts critically, from different perspectives and methodologies
	THEORY	CO2	Appreciate Indian Aesthetics and find linkages between Western thought and Indian critical tradition
		CO3	Gain a critical and pluralistic understanding and perspective of life
G 1571	THEATRE STUDIES	COI	Develop a culture of theatre in students
		CO2	Help students in applying theories and contexts in play texts
G 1572	ENGLISH	CO3	Enhance creativity in students by helping them in the production of a play Understand the theoretical basis of language teaching, and apply it to the actual teaching process
0.072	LANGUAGE TEACHING	COI	Be able to assess critically the implications of the various approaches, methods, techniques
		CO2	Have the ability to develop material for teaching, to plan lessons and conduct them effectively
G 1573	LANGUAGE FOR	COI	Prepare a primary advertising model
	ADVERTISIN G AND MARKETING	CO2	Application of skills
		CO3	To give students an appreciation of Advertising and Marketing Communications development focusing on the CLIENT's perspective
CG 551.1	ENGLISH FOR COMMUNICA TION	COI	Learners majoring in some subject other than English will have a working knowledge of the type of English that is required in real life situations, especially the globalized workplace
		CO2	Well trained to write clear, well-framed, polite but concise formal letters and e-mails for a variety of purposes
		CO3	Acquire some of the soft-skills that go hand in hand with English –namely, the ability to prepare for an interview and face it confidently, the ability to participate boldly a group discussion and contribute meaningfully to it, the ability to make a simple and interesting presentation of 5-10 minutes before a mixed audience on anything that they have learnt in the previous semesters of the UG programme
G	FILM APPRECIATI	COI	Decipher the meaning of a movie
51.2	ON	CO2	Watch, understand and analyze films from a critical perspective
		CO3	Equip them to be resourceful to find a career in areas related to film
		COL	SEMESTER 6
	GENDER	COI	Analyse the ways in which gender, race, ethnicity class, caste and sexuality construct the social, cultural and biological experience of both men and women in all societies
G 1641	STUDIES	CO2	Interrogate the social constructions of gender and the limiting of the same in to the malefemale binary in its intersections w
	1	CO3	Recognize and use the major theoretical frames of analysis in gender studies in relation to the sustainable goals of development
03	1	CO1	Be able to analyse actual speech in terms of the principle of linguistics
G 1642	LIGUISTIC	CO2	Improve the accent and pronunciation of the language
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	ENGLISH LANGUAG E		
		CO3	Introduce the students to internationally accepted forms of speech and writing in English.
	SCREEN	COI	Understand the concepts and techniques of scriptwriting and subtitling
CG 1671	WRITING AND SUBTITLING	CO2	Undertake writing scripts to build a genuine interest in the field and focus on a career in screenwriting
		CO3	Analyse the audio-visual material provided and overcome the challenges in translating cultural symbols in the source language
		COI	Produce effective, sensitive and ethical public relation and communication skills beneficial to the institution
CG 1672	RELATION	CO2	Conduct public relation campaigns through press releases and other interactive methods with special focus on corporate communication
	S AND CORPORA TE COMMU NICATION	CO3	Help them find employment in the public/corporate sector
		COI	Gain Through knowledge of the theoretical and practical knowledge of copy editing
CG	PROOF READING AND COPY EDITING	CO2	Copy-edit non-technical materials of moderate difficulty and produce consistently well-organized written discourse
1661.1		CO3	Find employment in the editing field as copy-editors, sub-editors and web editors
CG 1661.2	PROFESSIONAL COMMUNIACTI	COI	Develop the skill ecosystem of the students
	ON PRACTICE	CO2	Mold ethical consciousness
		CO3	Be able to meet the demands of the industry and professional options
	ACADEMIC WRITTING	COI	Comprehend the concept of academic writing CO2: Improve academic writing skills
		CO2	Learn to become responsible scholars
		CO3	Undertake research writing and documentation with better perception

Course Code	Course Title		Course Outcomes					
			SEMESTER 1					
		COI	Understand the various methods of differential calculus and its properties such as extremum problems, Rolle's Theorem, Mean Value Theorem and its consequences.					
им 141	Methods of Mathematics	CO2	Understand the various methods of integral calculus, its propertiesthrough area, volume, length related concepts.					
		CO3	Acquire the skill of problem solving.					
			SEMESTER 2					
		COI	Begin the rigorous study of Mathematics, understand the conceptof sets and functions.					
MM 1221	Foundations of Mathematics	CO2	Realize the logical aspects such as connectives, truth tables, conditional statements and understand the usage of various quantifiers like universal and extential quantifiers in statements.					
		CO3	Understand the fundamental concepts of Cartesian system and polar coordinate system and the relation between them.					
Julia .			SEMESTER 3					
	Elementary	COI	Acquire the knowledge of algebraic structures through congruence classes.					
лм 341	Number Theory And Calculus -	CO2	Acquire the skill in differentiating and integrating vector valued functions.					
67 8		CO3	Analyse vector functions to find derivatives, tangent lines, integrals, are length and curvature.					
C			SEMESTER 4					
Grada	Elementary	CO1	Conceive the concept of irreducibility of polynomials in differentrings and the Fundamental Theorem of Algebra.					
1M 441	Number Theory And Calculus -	CO2	Acquire knowledge in the calculus of functions of two variables and three variables PRINCH	FALM CHARGE				

	11	CO3	Visualisation of functions of several variables.
			SEMESTER 5
		COI	Understand the notion of real numbers and ideas of limits in aformal manner.
MM 1541	Real Analysis -I	CO2	Conceive the concept of limits of sequences and series, limit offunctions.
		CO3	Produce rigorous proofs of results that arise in the context of realanalysis.
		COI	Understand the basic properties of complex numbers.
MM 1542	Complex Analysis – I	CO2	Understand the definition of complex functions, power series representation of complex functions.
1312	, , , , , , , , , , , , , , , , , , , ,	CO3	Develops a knowledge about analytic functions and Cauchy- Riemann equations.
		COI	Acquire the knowledge of binary structures such as groups, subgroups, cyclic groups by using the skill of binary operations.
MM 1543	Abstract Algebra –	CO2	Understand various properties of above said binary structures and its characterisations.
1343	Group	CO3	Acquire the skill of problem solving.
	Theory		Know how differential equations arise in various physical
мм	Differential	COI	problems.
1544	Equations	CO2	Solve differential equations of first order and exact differential
		COI	equations.
		COI	The aim of learning LATEX is to enable student to typeset the project report which is a compulsory requirement for finishing their undergraduate mathematics programme successfully.
MM 1545	Mathemati cs software- LATEX & Sage Math	CO2	The aim of learning SageMath is to enable students to see how the computational techniques they have learned in the previous semesters can be put into action with the help of software so as to reduce human effort.
	Open Course — Operations Research	COI	Acquire skills to formulate Linear Programming Problem and solve them using graphical method and simplex method.
MM 1551.1		CO2	Understand variety of problems such as Assignment Problem, Transportation Problem etc.
		CO3	Acquire the knowledge to CPM and PERT techniques to plan, schedule and control project activities.
			SEMESTER 6
		COI	Identify the continuity and discontinuity of various functions.
MM 1641	Real Analysis -	CO2	Understand differentiation from a conceptual point of view.
		CO3	Acquire the skill of problem solving.
		COI	Represent functions as Power and Laurent series and classifyisolated singular points.
MM 1642	Complex Analysis - II	CO2	Critically evaluate application of Residue Theorem in theevaluation of some integrals.
		CO3	Evaluate improper integrals in various situations.
		CO1	Familiar with the concept of rings and subrings
MM 1643	Abstract Algebra –	CO2	Familiar with the concept of ring homomorphism
	Ring Theory	CO3	Introduce more rigorous topics like various type of integral domains.
	Theory .	COI	Understand the algebraic and geometric representation of vectors in Euclidean n-space.
мм		CO2	Learn to solve system of linear equations using the language ofmatrices.
1644	Linear Algebra	CO3	Conceive the concept of linear transformations, eigen values, eigen vectors and diagonalizations.
		COI	Understand the concent of London Transforms
O MM			Understand the concept of Laplace Transforms
645	Integral Transforms	CO2	Introduce the concept of Fourier series and Fourier Transforms.
31200	1	COI	Build an awareness of some of the fundamental concepts in GraphTheory.

Accredity Grado

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1001.1	Graph Theory (Elective)	CO2	Study the Konigsberg Bridge Problem, The Chinese Postman Problem, and the Teleprinter's Problem and their graph modelsand solutions.
	(Licente)	CO3	Learn about trees and its properties.

			Name of the Programme: BSc. STATISTICS
Course	Course Title		Course Outcomes
			SEMESTER 1
		COI	Describe origin and meaning of Statistics, its uses and relation with other disciplines and its limitations and misuses
		CO2	Describe methods of collection of primary data and sources of secondary data
		CO3	Design a questionnaire and a schedule
	CTATICTIC	CO4	Classify and tabulate data
ST 141	AL METHODS I	CO5	Diagrammatically represent data through line diagram, bar diagrams, pie diagrams, pietograms, cartograms and graphically represent frequency distribution by frequency polygon, frequency curve and ogives
		CO6	Learn measures of central tendency and measures of dispersion, describe their properties
		CO7	Learn positional averages – quartiles, deciles and percentiles
		CO8	Learn moments - raw and central moments and their inter-relationships and describe Sheppard's corrections for moments for grouped data
		CO9	Describe skewness and kurtosis and learn various measures of them
		CO10	Practicals: Use R built in functions to solve numerical problems associated with topics covered in various modules
			SEMESTER 2
	+	COI	Describe the concept of correlation and compute Karl Pearson's correlation coefficient and Spearman's rank correlation coefficient
	STATISTIC	CO2	Discuss partial and multiple regressions for three variables
ST 241	AL METHODS	CO3	Describe the concepts of curve fitting
	11	CO4	Fit the regression equations using the method of least squares.
		CO5	Describe data mining and data warehousing
		CO6	Define data mining models and algorithms
		CO7	Practicals: Use R built in functions to solve numerical problems associated with topics covered in various modules
			SEMESTER 3
		COI	Describe random experiment, sample space, events, types of events
		CO2	Describe various definitions of probability, conditional Probability and multiplication theorem, and their applications in problem solving
200	PROBABILI	CO3	Learn the concept of geometric probability
T 41	TY AND DISTRIBUT IONS I	CO4	Describe univariate random variables in Discrete as well as in continuous cases, distribution function, probability mass function and probability density function, apply their properties in problem solving
and the same of		CO5	Describe bivariate random variable, joint distribution function, joint probability mass function, marginal and conditional distributions, independence of random variables and apply their properties in problem solving
100	6.	CO6	Describe functions of random variables both in univariate and bivariate cases, transformations of random variable and apply the concepts in problem solving
A C	4	CO7	Describe mathematical expectation, expectation of function of random variables (up to bivariate case) and apply its properties in problem solving
Grade	#BOD IN I		SEMESTER 4 Dr. S
ST 441	PROBABILI TY AND DISTRIBUT	COI	Describe the univariate discrete distributions- Degenerate, Bernoulli, Binomial, Poisson, GERINGIE and Hyper geometric KOT

	IONS II	T	Define multipopulat distribution and its proposition
	-	CO2	Define multinomial distribution and its properties
		CO3	Describe the univariate continuous distributions-Uniform, Triangular, Gamma, Beta 2 types, Exponential, Normal, Lognormal and Cauchy.
		CO4	Explain the concepts of multivariate normal distribution.
		CO5	Derive the marginal and conditional distribution of bivariate normal distribution
	×	CO6	Practicals: Use R built in functions to solve numerical problems associated with topics covered in various modules
		T	SEMESTER 5
		CO1	Understand the convergence of a sequence of events
	LIMIT	CO2	Explain the laws of large numbers
ST	THEOREMS AND	CO3	Apply Chebychev's inequality and central limit theorem
541	SAMPLING	CO4	Describe central and non-central sampling distributions
	DISTRIBUT IONS	CO5	Make use of tables of χ2, t and F distributions
	202000	CO6	Explain the probability distributions of rth order statistic
		CO7	Explain probability distributions of 1st and nth order statistic from $U(0, \theta)$ and exponential distributions
		CO8	Practicals: Use R built in functions to solve numerical problems associated with topics covered in various modules
		COI	Define the desirable properties of a good estimator
ST	ESTIMATIO	CO2	Explain whether an estimator satisfy any of the desirable properties or not
1542	N	CO3	Construct confidence intervals for mean, variance, proportion in a population and difference between means and difference between proportions in two populations.
		CO4	Explain Gauss Markov set up
		CO5	Illustrate the estimability of a linear parametric function
		CO6	Practicals: Use R built in functions to solve numerical problems associated with topics covered in various modules
		COI	Describe the fundamental concepts of testing of hypothesis
		CO2	State Neyman-Pearson lemma
ST	TESTING OF	CO3	Apply Neyman Pearson's lemma for mean and variance of a normal population, the Mean of binomial and Poisson distribution
543	HYPOTHES IS	CO4	Define most powerful test and UMP test
		CO5	Explain likelihood ratio test and its properties
		CO6	Apply large sample tests and small sample tests
		CO7	Describe non-parametric test
		CO8	Practicals: Use R built in functions to solve numerical problems associated with topics covered in
		CO1	various modules Explain the basic concept of sample survey
- Control of the Cont		CO2	Distinguish between sample survey and census survey
944	SAMPLE SURVEY	CO3	Apply various sampling schemes like SRS, Stratified sampling and Systematic sampling
544	METHODS	CO4	Compare the efficiencies of estimates obtained using different sampling techniques.
	# //	CO5	Describe the merits and demerits of different sampling techniques
Grade	G .	CO6	Obtain the estimates for population mean using Ratio and Regression estimators, and compare their efficiencies
100	6/	CO7	Practicals: Use R built in functions to solve numerical problems associated with topics revered in
#			various module 51. GREGO

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94 THE R.		CALCULATION OF THE PARTY OF THE	SEMESTER 6
		CO1	Carry out one-way and two-way analysis of variances
	DESIGN OF	CO2	Explain the basic concepts and principles of experimental design
ST	NTS AND	CO3	Carry out the analysis of CRD, RBD and LSD
641	VITAL STATISTIC	CO4	: Carry out analysis in RBD and LSD with one or two missing observations
	S	CO5	Carry out the analysis of 22 and 23 factorial experiments
		CO6	Compute various measures of fertility, mortality and population growth
		CO7	Construct life tables
		CO8	Practicals: Use R built in functions to solve numerical problems associated with topics covered in various modules
		COI	Identify the various index numbers and compute them for data sets
	APPLIED STATISTIC	CO2	Explain the concepts of base shifting, splicing and deflation of index numbers, consumer price index number
ST 1642		CO3	Explain the component of time series and estimate trend and seasonal effect
	S	CO4	Explain the roles and responsibilities of various organizations
		CO5	Explain the methods of data collection and dissemination in population census
		CO6	Explain the methods of estimation of National Income
		CO7	Practicals: Use R built in functions to solve numerical problems associated with topics covered in various modules
		COI	Explain the evolution and significance of OR
	DESIGN OF	CO2	Describe the concept of OR
ST	NTS AND	CO3	Solve LPP using graphical method and simplex method
643	VITAL STATISTIC	CO4	Solve LPP using Big M method and Two-phase method
	STATISTIC	CO5	Explain the concept of SQC and mention its application
		CO6	Construct control chart for variables and attributes
		CO7	Describe acceptance sampling plans
		CO8	Practicals: Use R built in functions to solve numerical problems associated with topics covered in various modules





			Name of the Programme: MSc. CHEMISTRY
Course Code	Course Title		Course Outcomes
			SEMESTER 1
		COI	The students get a clear idea about Co-ordination compounds, noble gase, isoploy/heteropoly acids, and interhalogens.
CH 211	Inorganic Chemistry I	CO2	The students could be able to familiarize the various analytical testing procedures.
		CO3	The studies on environmental aspects of chemistry enable them toface the burning environmental issues by adopting suitable ecofriendly measures.
CH 212	Organic Chemistry I	COI	Make them aware about various reaction mechanisms, reagents and steriochemistry of organic compounds.
CH213	Physical Chemistry I	CO2	Give the students an authoritative idea on quantum mechanics, Kinetics, Thermodynamics, Photochemistry and Surface Chemistry
			SEMESTER 2
CH 221	Inorganic Chemistry II	COI	Students get better knowledge on crysatalline compounds, Co-ordination compounds and compounds of elements such as sulphur, nitrogen, phosphorous and boron.
CH 222	Chemistry II	CO2	Give idea about physical organic chemistry, organic photochemistry, chemistry of natural products and biomolecules.
CH 223	Physical	COI	Give advanced level of knowledge on Quantum mechanics & thermodynamics.
	Chemistry II	CO2	It also gives an elaborate idea on spectroscopy and electrochemistry.
	Inorganic Chemistry practicals I	COI	Give practical skill on colorimetric, and complexometric estimations.
CH 214		CO2	Also equip them to identify the rare earth elements.
CH 215	Organic	COI	Give opportunity to separate, identify and synthesize various
CH 216	Practicals I Physical Chemistry Practicals I	COI	organic compounds. Enable the students to carry out physical chemistry experiments and thereby to verify the exactness of differenttheorems and laws in Chemistry
			SEMESTER 3
CH 231	Inorganic Chemistry II	COI	Give knowledge in organometallic compounds, bioinorganic compounds, Co-ordination compounds, nuclear chemistry and spectroscopic aspects of inorganic compounds,
CH 232	Organic Chemistry III	COI	Give an elaborate idea on methods in organic synthesis, separation techniques and structure elucidation of compounds using spectroscopic studies.
CH 233	Physical Chemistry III	COI	Give advanced level of knowledge in quantum mechanics, statistical mechanics, spectroscopic techniques and electrochemistry.
			SEMESTER 4
CH 241	Chemistry of Advanced Materials	COI	Give advanced knowledge on nanomaterials, smart materials and specialty polymers.
СН 242	Organic Chemistry IV	COI	Give knowledge on medicinal chemistry, supramolecularchemistry, Green chemistry, and polymerchemistry.
CH 234	Inorganic Chemistry	COI	The student get practical skill on estimation of simple mixture of ions, analysis of alloys and ores.
	Practicals II	CO2	It also enable the students to carryout spectral interpretation of various inorganic compounds
CH 235	Organic Practicals II	COI	Could be able to conduct volumetric and colorimetric estimations and spectral identification of various organic compounds.
AL 233		COI	Enables the students to conduct potentiometric and conductometric titrations and give insight into experimentsbased on the study of surface tension, viscosity, refractive index parameters.
CH 236	Physical practica		parameters,

Course Code Course Title Course Outcomes

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SEMESTER 1

To convey basic understandings on the theories of Business Ethics



CO2 11	Business Ethics and Corporate Governance	CO2	To provide a understanding on Corporate Governance practices and the provisions of the Companies Act relating to corporate governance
		COI	To enable student acquire updated knowledge and developunderstanding of the regulatory framework for business
CO2 12	Legal Framework for	CO2	To make students aware of opportunities available in variouslegal compliances so as to enable them employable.
	Business	CO3	To expose students in emerging trends in good governancepractices including governance.
		COI	To provide an insight into the fundamentals of social scienceresearch.
CO2 13	Research Methodology	CO2	To understand the need, significance and relevance of researchand research design.
		CO3	To acquire practical knowledge and required skills in carrying out research.
	Planning and	COI	To generate an overall insight on planning process in Indian
CO2 14	Development	CO2	Economy To make the students aware about new planning initiatives in
	Administration	12.00	India
		COI	To acquaint the students about important accounting standards
CO2 15	Advanced Corporate Accounting and	CO2	To gain ability to prepare financial statements including consolidated financial statements of group companies and financial reports of various types of entities by applying relevant accounting standards.
	Reporting	CO3	To expose the students to advanced accounting issues and practices such as insurance claims, investment accounting and liquidation of companies
H E I K			SEMESTER 2
	E -Business and Cyber laws	COI	To equip the students with the emerging trends in business
CO2 21		CO2	To equip the students to introduce and explore the use of information technology in all aspects of business
		CO3	To familiarise with the students cyber world and cyber regulations
		COI	To create a conceptual awareness on various strategies To familiarise students with the formulation, implementation and evaluation of
CO2 22	Strategic Management	CO2	strategies
		COI	To familiarise the students with the various techniques used in data analysis
CO2 23	Quantitative	CO2	To create an awareness about statistical quality control
	Techniques and Financial	CO3	To understand the use of SPSS software in processing and analysis of data
	Ecnometrics	COI	To understand the students regarding the origin and development
	International		of international Trade To understand the students with the various theories of
CO2 24	Business	CO2	International Trade To familiarise the students with the capital flow between
		CO3	countries
	Investment Management	COI	To provide a general understanding about investment avenues and personal finance.
CO2 25		CO2	To give a broader understanding about behavioural finance andhow it equip to decide personal investment
			SEMESTER 3
CO2	Income tax Planning and	COI	To provide the students an in depth knowledge of the provisions relating to computation of income tax To gain knowledge on fundamental priciples and practices on
31U	Management	CO2	Income Tax Laws
LEGA	X .	CO3	To familiarise with tax planning principles To help the students to understand various issues in Security
The Fo	Security Analysis and	CO1	Analysis and Portfolio Management
E 63 32 F	Portfolio - Management	CO2	To equip the students to value the real worth of securities To provide a comprehensive understanding on the principles of Security analysis
eer 33F	International	COI	To familiarise the students with the international financialmarkets and instruments DT. SUM PRINCIPAL I ST. GREGORIO

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PRINCIPAL IN CHEST. GREGORIOS COLLEGE KOTTARAKARA

	Financial Management	CO2	To convey an understanding about foreign exchange risk management
CO2 34F	Strategic Cost and Management Accounting	COI	To comprehend and familiarize the established techniques, methods and practices in Strategic Cost and Management Accounting to the students
		CO2	To introduce the evolving Strategic approaches and techniques inCost and Management field and to developed industrial behaviour among the students in the emerging business areas.
			SEMESTER 4
		COI	To gain expert knowledge of the principles and laws relating to indirect taxes
CO2 41W	GST and Customs Duty Law and Practice	CO2	To impart skill in applying and analysing the provisions of Goodsand Service Tax Act and Customs Act in handling practical situations
	Risk	COI	To understand the risk management process and its application
CO2 42F	The second secon	CO2	To give a broader awareness on derivatives and its applications
		CO1	To acquaint the students to understand the structure, process andorganizational set up involved in evolving accounting standards in India
CO2 43F	Accounting Standards	CO2	To enable the students to apply some key standards while preparing and presenting thefinancial statements Course
		COI	To convey basic principles and application of optimization tools of
CO2 44S	Management Optimization Techniques	CO2	resource utilization. To provide an insight into optimal project implementationTechniques under deterministic and probabilistic conditions
Course	Na	ame of	the Programme: MSc Physics
- Anna	Course Title		Course Outcomes
			SEMESTER 1
	CLASSICAL	CO1	Learn Lagrangian mechanics, analyse two-body central forceproblem, small oscillations and rigid body dynamics.
PH 211	MECHANICS	CO2	Learn Hamiltonian mechanics and Hamilton-Jacobi method Learn Special and General theories of Relativity.
		CO3	Acquire preliminary knowledge of nonlinear dynamics and chaos
		COI	Develop detailed knowledge of Linear algebra, Complex analysis, Fourier Series and Tensor analysis.
PH 212	MATHEMATI - CAL PHYSICS	CO2	Learn Probability theory, Group Theory and Special Functions. Develop in-depth knowledge of Differential equations and solution methods.
		COI	Know common electronic circuits using Diodes, BJTs, FETs, OPAMPs and 555 timer ICs.
PH 213	BASIC ELECTRON	CO2	Familiarization with solid- state devices. Preliminaries of DigitalElectronics , Optoelectronics and instrumentations.
			SEMESTER 2
РН 221	MODERN OPTICS AND ELECTROMAGN ETIC THEORY	CO1	Understand and comprehend common topics in modern optics and preliminaries of nonlinear optics Electromagnetic waves and Relativistic electrodynamics, Radio wave propagation, Transmission lines waveguides and antennas.
211 222	THERMODYNA MICS, STATISTICAL PHYSICS AND BASIC QUANTUM	COI	Assimilate and comprehend Thermodynamic relations and Classical and Quantum statistics and understand Phase transitions.
PH 222		CO2	Learn Foundations of quantum mechanics, the paradoxes and some exactly solvable problems in quantum mechanics.
РН 223	COMPUTER SCIENCE AND NUMERICAL TECHNIQUES	CO1	Learn basic computer architecture and microprocessors. To attainworking knowledge on Python and C++ programming languages.
		CO2	To implement numerical methods in problem solving in physics
PH 250	PHYSICS	COI	Learn experimental techniques in general physics
-	PHYSICS PRACTICALS ELECTRONICS AND	CO2	Learn analysis of data and error estimation Learn construction of analog electronic circuits and c
PH 252	COMPUTER		++programming
a coad	0 /		SEMESTER 3

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SEMESTER 3

PRINCIPAL IN PARGE ST. GREGORIOS COLLEGE KOTTARAKARA

PH231	ADVANCED QUANTUM	CO1	Learn approximation methods in quantum mechanics, the connection between symmetry and conserved quantities, the angular momentum, and the properties of systems of identical particles. To understand the theory of quantum scattering and learn topics
	MECHANICS	CO2	in relativistic quantum mechanics and preliminaries of quantumfield theory
		COI	Learn and apply general tools of spectroscopy.
PH 232	ATOMIC & MOLECULAR SPECTROSCOPY	CO2	To enhance understanding of Molecular, rotational, IR, Electronic, Raman, ESR, NMR, Mossbauer, Photo electron and Photo acoustic spectroscopy
PH 233E	ADVANCED ELECTRONICS -I	COI	To summarize various techniques of digital and analog communication systems.
1112332		CO2	Illustrate various techniques for digital signal processing based Fourier and Z transform
			SEMESTER 4
PH 241	CONDENSED MATTER PHYSICS	coı	Learn crystal structure, lattice vibrations and free electron and band theories. Learn semiconductors, Dielectric and Magnetic properties of matter and superconductivity.
	NUCLEAR AND	COI	Learn Nuclear forces, nuclear models and nuclear reactions
PH242	PARTICLE PHYSICS	CO2	To understand details of Nuclear fission and fusion, Nuclear detectors, particle accelerator and Elementary particle physics
	ADVANCED	COI	Outline the basic concepts of embedded systems, artificial intelligence and neural networks.
PH243E	ELECTRONICS -	CO2	Illustrate fundamental data communications codes, radar and satellite communication systems.
	ADVANCED	COI	
DU 261	DUVEICE		
PH 261	PHYSICS ADVANCED ELECTRONICS PRACTICALS	COI	Learn advanced experimental techniques in general physics Learn construction an implementation of analog and digital circuits along with microprocessors.
PH 262	ADVANCED ELECTRONICS PRACTICALS	COI	Learn construction an implementation of analog and digital circuits along with microprocessors. mme: MSc Zoology with Specialoization in Biosystematics & Biodivesity
PH 262	ADVANCED ELECTRONICS PRACTICALS	CO1 Progran	Learn construction an implementation of analog and digital circuits along with microprocessors. nme: MSc Zoology with Specialoization in Biosystematics & Biodivesity bjrctives
PH 262	ADVANCED ELECTRONICS PRACTICALS	CO1 Progran	Learn construction an implementation of analog and digital circuits along with microprocessors. mme: MSc Zoology with Specialoization in Biosystematics & Biodivesity
PH 262	ADVANCED ELECTRONICS PRACTICALS	COI Program Course O	Learn construction an implementation of analog and digital circuits along with microprocessors. nme: MSc Zoology with Specialoization in Biosystematics & Biodivesity bjrctives
PH 262 Course Ti	ADVANCED ELECTRONICS PRACTICALS Name of the itle EVOLUTION AND	COI Program Course O	Learn construction an implementation of analog and digital circuits along with microprocessors. Imperoximately a series of the
PH 262 Course Ti	ADVANCED ELECTRONICS PRACTICALS Name of the itle EVOLUTION AND ZOOGEOGRAP	COI Program Course O	Learn construction an implementation of analog and digital circuits along with microprocessors. The impact knowledge on the basic aspects of evolution and zoogeography. To study the fundamentals of origin of species and role of variation in
PH 262 Course Ti	ADVANCED ELECTRONICS PRACTICALS Name of the itle EVOLUTION AND ZOOGEOGRAP	COI Program Course O COI CO2	Learn construction an implementation of analog and digital circuits along with microprocessors. In the construction an implementation of analog and digital circuits along with microprocessors. In the construction an implementation of analog and digital circuits along with microprocessors. In the construction an implementation of analog and digital circuits along with microprocessors. Semester 1 To impart knowledge on the basic aspects of evolution and zoogeography. To study the fundamentals of origin of species and role of variation in evolution. To understand the basics of the phylogeny, zoogeography and animal
PH 262 Course Ti	ADVANCED ELECTRONICS PRACTICALS Name of the itle EVOLUTION AND ZOOGEOGRAP HY	COI Program Course O COI CO2 CO3	Learn construction an implementation of analog and digital circuits along with microprocessors. The impart knowledge on the basic aspects of evolution and zoogeography. To study the fundamentals of origin of species and role of variation in evolution. To understand the basics of the phylogeny, zoogeography and animal distribution. To impart knowledge on various biochemical molecules and path ways in life processes.
PH 262 Course Ti	ADVANCED ELECTRONICS PRACTICALS Name of the itle EVOLUTION AND ZOOGEOGRAP HY	COI Program Course O COI CO2 CO3 CO1 CO2	Learn construction an implementation of analog and digital circuits along with microprocessors. Imme: MSc Zoology with Specialoization in Biosystematics & Biodivesity birctives SEMESTER I To impart knowledge on the basic aspects of evolution and zoogeography. To study the fundamentals of origin of species and role of variation in evolution. To understand the basics of the phylogeny, zoogeography and animal distribution. To impart knowledge on various biochemical molecules and path ways in life processes. To demonstrate knowledge and understanding of the molecular machinery of living cells, the principles that govern the structures of macromolecules and their participation in molecular recognition and understanding of the principles and basic mechanismsof metabolic control and molecular





Course	Course Title		Course Outcomes
Code	Course Title		
			SEMESTER 1 Acquire knowledge about vector spaces, subspace, bases and
		COI	dimensions.
1511	LINEAR ALGEBRA	CO2	Understand linear maps, their algerbras, matrix of linear maps
	ABOLDIAN	CO3	Relate matrices and linear transformations
		1205	Understand the concepts and results in analysis and apply these results to
	REAL ANALYSIS I	COI	other branches of mathematics and real world applications.
M 512		CO2	Demonstrate the importance of Riemann Stieltijles Integrals, Riemann condition, sufficient condition for the existence of Riemann Sti
		CO3	Enhance the ability to apply the concepts in geometrical situation.
	ORDINARY	COI	To understand the concepts of Ordinary Differential Equations.
	DIFFERENTIA	000	Classify the problems and recognize appropriate methods to solve differential
M 513	L EQUATIONS	CO2	equations.
	AND CALCULUS OF VARIATIONS	CO3	Apply the methods of solving differential equations to real-world problems.
	MINITIONS	COI	Understanding metrics as a generalization of distance in real and complex
			plane and discuss the basic concepts of metric spaces. Compare the concepts of open and closed sets of real line and complex plane
M 514	TOPOLOGY-1	CO2	to abstract spaces
		CO3	To develop the students ability to handle abstract ideas of mathematics and mathematical proofs
			SEMESTER 2
1 521	ABSTRACT	COI	Get familiarised with different algebraic structures.
1 521	ALGEBRA	CO2	Understand the Fundamental Theorem of finitely generated abelian groups
		CO3	and list abelian groups of finite orders. Apply Sylow's Theorems to classify simple groups.
	MEASURE	CO1	Create a frame work to generalise integration theory.
им 522	THEORY	CO2	2 Understand why and for what the theory of measures was introduced.
		CO3	Formulate complex problems using appropriate measure theory techniques.
	PARTIAL	COI	To understand the concepts of PDE's.
M 523	DIFFERENTIA	CO2	To solve the real world problems using PDE's
I I	EQUATIONS AND INTEGRAL EQUATIONS	CO3	To solve the wave equation and the heat equation.
	ADVANCED	COI	Understand more about point-set topology and the concepts of algebraic topology
	TOPOLOGY	CO2	Apply abstract algebra to understand the topological properties
		CO3	Construct new topological spaces from existing ones and comparing their properties
			SEMESTER 3
		COI	Power series of complex functions. Complex integration to understand analytic functions in a better
1 231	COMPLEX ANALYSIS I	CO2	way.
		CO3	Properties of Mobius transformations briefly and complex numbers as points on a sphere. Understand the basic idea on some description of the basic idea on some description of the basic idea on some description.
Marine Pilot		COI	Understand the basic idea on normed space through examples and study various properties and characterisation of normed space. Also understand the idea of continuity of linear maps between normed spaces.
VI 252	FUNCTIONAL - ANALYSIS I	CO2	Understand two fundamentals results in functional analysis - Hahn-Banach Theorem and Hahn-Banach Separation Theoremand its consequences.
A CO	1 2	СОЗ	Understand the idea of Banach Space (complete normed space.) through examples and its various properties.
310	124	COI	Study scientific approach to problem solving.
1	OPERATIONS	CO2	Use quantitative methods and techniques for effective decision making. ST. GREGO

MM 233	RESEARCH	CO3	Understand the formulation of Mathematical models for decision and controls problems to deal with the situations arising out ofrisk and uncertainity.
		COI	Understand the relation between graphs and groups.
MM 234	GRAPH THEORY	CO2	Provide the idea of cut vertex, blocks, connectivity, Euler graph and Hamiltonian graph and learn to identify them.
		CO3	Conceive the concept of strong digraph, tournament, matching, factorisation and their properties.
			SEMESTER 4
MM 241	COMPLEX ANALYSIS II	COI	Demonstration of compactness and convergence in the space of analytic functions and Riemann Mapping Theorem.
		CO2	Clear understanding of Weirstass factorisation Theorem, Gammafunction, Riemann Zeta function, Runge's Theorem, simple connectedness and MittagLeffler's Theorem.
		CO3	Study the notion of analytic continuation; begins with SchwarzReflection Principle and ends in Monodromy Theorem.
MM 242	FUNCTIONAL ANALYSIS II	CO1	The idea of compact operators and the spectral theorem for compact operators.
		CO2	The notion of inner product space and learns its various properties.
		CO3	The orthogonality of two vectors in an inner product space and its various properties.
MM 243	FIELD THEORY [ELECTIVE]	COI	Explain the concept of solvable group and acquire knowledge of properties of solvable groups
		CO2	Introduce the concept of irreducible polynomial and demonstrate the creation of field containing the roots of irreducible polynomial
		CO3	coneieve the idea of splitting field of a polynomial and understandits relationship with dimension of vector space
MM 244	ANALYTIC NUMBER THEORY (ELECTIVE)	COI	Review some basic cocepts and results of number theory such as divisibility, greatest common divisor, prime numbers euclidsalgorithm etc
		CO2	Study arithmetical functions and its applications
		CO3	Learn the application of the congruence, qudratic residues and primitive roots for solving numerical problem





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