B.Sc UNDER GRADUATE PROGRAMMES

COMMON COURSE – ENGLISH				
Name of the Programme	**Course Code**	**Course Title**	**Course Outcome**	
	Semester I			
BA BSc B.Com	EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
BA BSc	EN1CC02	Pearls from the Deep	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
	Semester II			
BA BSc BCom	EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
	Semester III			
BA BSc	EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
BCom	EN3CC07	Gems of Imagination	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
	Semester IV			
BA BSc Bcom	EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.

SECOND LANGUAGES

Name of the Programme	Course Code	Course Title	Course Outcome	
	Semester I			
	MALAYALAM			
BA BSc (Model 1)	ML1CCT 01	01 Katha Sahithyam	CO1	Recognize general awareness in literature
			CO2	Appreciate importance of literature and life To sensitize aspects in Malayalam
BCom (Model 2)	ML1CCT11	Katha, Kavitha, Natakam	CO1	General awareness about Malayalam literature
			CO2	Introducing new common trends in Malayalam literature
B.A. English (Model 2)	ML1CCT07	Katha, Kavitha	CO1	Recognise general awareness in literature
HINDI				
BA BSc (Model 1)	HN1CCT 01	Prose and One Act Play	CO1	To develop students competence with reference to Hindi language and literature.
			CO2	To give an authentic knowledge about the development of literature.
B.Com (Model 2)	HN1CCTO5	Prose, Commercial Correspondence & Translation	CO1	To make familiar with the Students, the literary form of essays.
			CO2	To give knowledge about Translation.
			CO3	To understand the principles and assumptions governing modern linguistic.
B.A. English (Model 2)	HN1CCT03	Drama & Long Poem	CO1	To give an authentic knowledge about the development of literature.
SEMESTER II				
MALAYALAM				
BA BSc (Model 1)	ML2CC T02	Kavitha	CO1	To develop general awareness in poetry
			CO2	To identify new trends in poetry
			CO3	Appreciate importance of poetry and life to sensitise aspects in Malayalam.
B.Com. (Model 2)	ML2CCT12	Gadhyam, Yathravivaranam	CO1	Introducing Malayalam Non- Fiction writings
B.A. English	ML1CCT08	Kavithayum Natakavum	CO1	To make students familiar with Poetry and Drama

(Model 2)				
HINDI				
BA/ BSc (Model 1)	HN2CCT01	Short Stories & Novel	CO1	To develop student's competence with reference to Hindi language and literature.
			CO2	To make students familiar with novels and stories.
B.Com. (Model 2)	HN2CCT05	Poetry & Mass Media	CO1	To give knowledge about Mass Media.
B.A. English (Model 2)	HN2CCT03	Prose & Poetry	CO1	To make students familiar with Prose and Poetry.
SEMESTER III				
MALAYALAM				
BA/ BSc (Model 1)	ML3CCT03	Drishyakala Sahithyam	CO1	General awareness on various visual art forms like Kathakali, Thullal, Cinema etc.
			CO2	Introducing new common trends in Malayalam literature.
HINDI				
BA/ BSc (Model 1)	HN3CCT01	Poetry, Grammar and Translation	CO1	To make the students familiar with ancient and modern culture.
			CO2	To understand the principles and assumptions governing modern linguistics.
SEMESTER IV				
MALAYALAM				
BA/ BSc (Model 1)	ML4CCT04	Malayala Gadyarachanakal	CO1	Introducing Malayalam non- fiction writings
			CO2	Familiarising new trends in non-fiction.
HINDI				
BA/ BSc (Model 1)	HN4CCT01	Drama and Long Poem.	CO1	To make the students familiar with drama and other forms of arts.
			CO2	To make the students familiar with poetry.

Name of the Programme: BA English			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
EN1CR01	Methodology of Literary Studies	CO1	To traditional approaches, formalism, contextual-political critiques of literary studies, the questions raised by Cultural Studies and Feminism and the issues of subalternity and regionality in the literary domain.
ENICM01	Education in India	CO1	To acquaint the learners with the history and philosophy of education in India and educational types and methods.
EN1VO01	School Organisation	CO1	To introduce the students to the administrative framework and general functioning of schools.
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
EN2CR02	Introducing Language and Literature	CO1	The enable the student to discern the evolution and the differential traits of the English language, evolution of literature from antiquity to postmodern times, diversity of genres and techniques of representation and narration, the links between literature and film as narrative expressions and the emergence of British and American Literature through diverse periods.
EN2CM02	Educational Psychology	CO1	To make the students understand the meaning, relevance and scope of educational psychology
EN2VO02	Conversational English	CO1	To enhance the communicative capabilities of students by providing practical suggestions regarding the use of English in different contexts.
Semester III			
EN3CC05	Literature and/as Identity	CO1	The student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities
EN3CR03	Harmony of Prose	CO1	The make the student familiar with varied prose styles of expression, eloquent expressions, brevity and aptness of voicing ideas in stylish language.
EN3CR04	Symphony of Verse	CO1	To acquaint the student with the rich texture of poetry in English.

EN3CM03	The Evolution of Literary Movements: The Shapers of Destiny	CO1	To enable the learner to understand English literature and culture in the light of historical events
EN3CM03	Methodology of Teaching English	CO1	To make the students aware of the issues involved in the learning and teaching of language.
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.
	Modes of Fiction	CO1	Toacquaint students with the categories of British and non-British short fiction, and also the novel as a form of literary expression.
EN4CR06	Language and Linguistics	CO1	To give an overview of thebasic concepts of linguistics and linguistic analysis to the students
EN4CM04	The Evolution of Literary Movements: The Cross Currents of Change	CO1	To enable students to have a notion of the evolution of literature and to help them perceivethe interplay of social processes and literature.
EN4VO04	Educational Technology	CO1	To acquaint the students with the use of learning aids, programmed training and different technology enabled learning strategies. .
Semester V			
ENCR7	Reading Drama	CO1	To develop in the students a taste for reading and appreciating drama with practical knowledge of theatrical performances
ENCR8	Language and Linguistics	CO1	To equip the students to analyse languages, their sounds (phonetics and phonology), their ways of forming words (morphology), their sentence structures (syntax), and their systems of expressing meaning (semantics).
ENCR9	Literary Criticism: Theory and Practice	CO1	To familiarize the students with some of the key literary terms,to introduce the various streams in literary criticism, to make them aware of the interdisciplinary nature of literary criticism and to develop the skills for appreciating literature.
ENCR10	Postcolonial Literatures	CO1	To familiarise the students with the basic tenets of Postcolonial theory and literature and to inculcate in the student an awareness of diverse cultures and literatures.
ENOG3	English for	CO1	To develop communicative skills, which will enable students to prepare

	Careers		for a career and function effectively in it.
Semester VI			
ENCR11	Women's Literature	CO1	To introduce the students to the development of women's writing in various countries and to equip them with analytical, critical and creative skills to interrogate the biases in the construction of gender and patriarchal norms.
ENCR12	Indian Writing	CO1	To inspire students to read and appreciate Indian literature in English, to explore its uniqueness and its place among the literatures in English, to motivate students for a critical and comparative study of other literatures in English and to examine the similarities and differences in attitudes, vision and style.
ENCR13	Comparative Literature	CO1	To inculcate in the pupil a feel of various methods employed to identify shared features of various literatures and to equip him/her to make comparative and contrastive analysis of literary texts
ENCR14	American Literature	CO1	To make students acquire knowledge about American literature, its cultural themes, literary periods and key artistic features and to understand the various aspects of American society through a critical examination of the literary texts representing different periods and cultures.
ENOF2	Regional Literaturesin Translation	CO1	To familiarize students with the cultural heterogeneity and linguistic plurality of India through its literatures written in regional languages and acquire a sense of national integration through the diverse experiences represented in the regional literatures of India.

Name of the Programme: B.Com			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
ML1CCT11	Katha, Kavitha, Natakam	CO1	General awareness about Malayalam literature
		CO2	Introducing new common trends in Malayalam literature
HN1CCTO5	Prose, Commercial Correspondence & Translation	CO1	To make familiar with the Students, the literary form of essays.
		CO2	To give knowledge about Translation.
		CO3	To understand the principles and assumptions governing modern linguistic.
CO1CRT01	Dimensions and	CO1	The students understand business and its role in society and

	Methodology of Business studies		get an idea of the business ethics and CSR
CO1CRT02	Financial Accounting I	CO1	The students get the skill of preparing accounts and financial statements of various types of business units other than corporate undertakings
CO1CRT03	Corporate Regulations and Administration	CO1	The students familiarise with the management and administration of joint stock companies in India as per Companies Act, 2013
CO1CMT01	Banking and Insurance	CO1	The students familiarise with the basic concepts and practice of banking and the principles of Insurance
CO1CMT03	Model III- OM&SP- Business Communication and MIS	CO1	The students familiarise the importance of communication in business and methods of communication relevant to various business situations and to build up communication skills.
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
ML2CCT12	Gadhyam, Yathravivaranam	CO1	Introducing Malayalam Non- Fiction writings
HN2CCT05	Poetry & Mass Media	CO1	To give knowledge about Mass Media.
CO2CRT04	Financial Accounting II	CO1	The students acquainted with the preparation of books of accounts of various types of business activities and application of important accounting standards
CO2CRT05	Business Regulatory Framework	CO1	the students familiarise with the legal framework influencing business decisions.
CO2CRT06	Business Management	CO1	The students familiarise with concepts and principles of management.
CO2CMT02	Principles of Business Decisions	CO1	The students familiarise with the economic concepts and principles underlying business decision making
Semester III			
EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
CO3CRT07	Corporate Accounts I	CO1	The students familiarise with corporate accounting procedures and to understand the accounting for banking companies

CO3CRT08	Quantitative Techniques for Business- 1	CO1	The students understand the role of statistics and quantitative techniques in business and familiarize them with basic tools applied
CO3CRT09	Financial Markets and Operations	CO1	The students familiarise with financial market operations in India
CO3CRT10	Marketing Management	CO1	The students get a sound understanding of the basic principles of marketing management and their applications in the business and industry.
CO3OCT02	Computer Application- Information Technology for Business (Theory)	CO1	The students aware about the role of information technology in business and make them capable of developing web pages for business
CO3OCP01	Computer Application- Information Technology for Business (Practical)	CO1	The students aware about the role of information technology in business and make them capable of developing web pages for business
CO3OCT01	Goods and Services tax	CO1	The students get general awareness about GST law in our country with a practical perspective and employability to the students in the commercial tax practices.
CO3OCT03	Basis of Co-operation	CO1	Students are aware about the principles of co-operation and they get idea about the management and working of co-operatives.
CO3OCT05	Customer Relationship Management	CO1	The students are familiarized with the concepts and strategies involved in Customer Relationship Management
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.
CO4CRT11	Corporate Accounts II	CO1	The students equipped with the preparation of financial statements of insurance companies and to understand the accounting procedure for reconstruction and liquidation of companies.

CO4CRT12	Quantitative Techniques for Business- II	CO1	The students familiarize the students with more advanced tools of data analysis and forecasting and also to have an understanding of the fundamentals of theory of probability
CO4CRT13	Entrepreneurship Development and Project Management	CO1	The students empowered with sufficient knowledge to start up their venture with confidence and
CO4OCT02	Computer Application- Information Technology for Office (Theory)	CO1	The students capable of managing the office activities with the help of information technology
CO4OCP01	Information Technology for Office (Practical)	CO1	The students capable of managing the office activities with the help of information technology
CO4OCT01	Financial Services	CO1	The students get an overall idea about financial services available in the country and also get understanding about recent trends in financial services sector.
CO4OCT03	Management of Co-operative Enterprises	CO1 CO2	The students are familiarized with the principles and practice of co-operative management and administration. The students are aware about process of management and administration of co-operatives.
CO4OCT05	Services Marketing	CO1	The students get sound understanding about emerging trends in the service sector and tackle issues involved in the management of services
Semester V			
CM05BAA01	Cost Accounting -	CO1	The students familiarise with cost concepts and to make the students learn the Fundamentals of cost accounting as a separate system of accounting
CM05BAA02	Special Accounting	CO1	The students get an idea about advanced accounting principles and procedure
CM05BBA02	Computerised Accounting	CO1	The students equipped to meet the demands of the industry by mastering them with industry sought after computerized accounting packages
CM05BBA03	Co-operative Legal System	CO1	The students understand about the history of co-operative the legal framework in India and in Kerala. The students get an overall idea about Kerala Co-operative Societies Act.
CM05BBA05	International Marketing	CO1	The students are acquired knowledge about the method and techniques of international marketing.
CM05BBA01	Income Tax Law and Practices	CO1	The students get understanding about with Income Tax Act 1961 and they are capable of computing

			Taxable income under the first three heads of Income.
Complementary Course I	Programming in C language	CO1	The students understand the basic principles of C programming
Open Core	Open Course Capital Market and investment Management		The students are familiarised with the nature and functioning of the capital market in India and enable them to learn management of investment
Open Core	Open course Fundamentals of Accounting		The students are familiarised with the basic accounting principles and practices in business.
Semester VI			
CM06BAA01	Applied Cost Accounting	CO1	The students are familiarised with different methods and techniques of costing. and to enable the students to identify the methods and techniques applicable for different types of industries
CM06CAA01	Principles of Business Decisions		The students are aware about the economic principles and theories underlying various business decisions.
CM06BAA02	Practical Auditing	CO1	The students understand the duties and responsibilities of auditors and to undertake the work of auditing
CM06BAA03	Accounting for Management Decisions	CO1	The students are familiarised with management accounting techniques for the analysis and interpretation of financial statements and to study the basic framework of financial reporting.
CM06BBA02	Database Management System for Business	CO1	The students familiarised with the concepts of database management and to equip them to handle the database for business firms.
CM06CAB02	Programming with visual basic 6.0	CO1	To familiarise the students with the basic concepts of windows programming
CM06BBA01	Income Tax-Assessment &Procedure	CO1	The students get idea about calculation of total income ,taxable income and assessment procedure.
CM06BBA05	Marketing Research	CO1	The students are aware about the method and techniques of marketing research.
CM06BBA03	Co-Operative Accounting	CO1	Students are get knowledge about the different registers and books and also get idea about the preparation of co-operative accounts
CM06BBA02	Secretarial Practice	CO1	The students are aware about the duties of a company secretary in different situations.
CM06BFA01	Project and Viva	CO1	Students get practical knowledge about how to done a research

			work.

Name of the Programme: BA Politics

Course Code	Course Title	Course Outcome	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
EN1CC02	Pearls from the Deep	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
ML1CCT 01	Katha Sahithyam	CO1	Recognize general awareness in literature
		CO2	Appreciate importance of literature and life To sensitize aspects in Malayalam
HN1 CCT 01	Prose and One Act Play	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To give an authentic knowledge about the development of literature.
PS1CRT01	Methodology and perspectives of political science	CO1	It helps the students understand the fundamental aspects of methodology and philosophy of social sciences in general and the Disciplinary history of political science in particular.
		CO2	It also provides some ideas on the major debates in the social scientific methodologies and also to inquire certain core concepts in political science
HY1CMT01	Roots of the Modern World	CO1	The course intends to give the students a general idea on the origins of the modern world and the force and course of various developments in different parts of the world.
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised

EN2CCT04	Savouring the Classics	C01	The course is designed to introduce the students to the taste of time tested world classics. On completion of the course, the student should become familiar with the classics from various lands and should understand the features that go into the making of a classic.
ML2CC T02	Kavitha	CO1	General awareness in poetry
		CO2	To identify new trends in poetry
		CO3	Appreciate importance of poetry and life To sensitize aspects in Malayalam.
HN2 CCT 02	Novel and Stories	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To make students familiar with novel and stories.
PS2CRT02	Indian constitution institutions and processes	CO1	Major aim of the course is to help the students understand the historical evolution of democratic political system in India and also to trace constitutional developments, inquire on the basic structures and values of the political system etc.
		CO2	It also deals with the evolution of constitutional and statutory institutions and the major amendments to the constitution.
HY2CMT03	Transition to the Contemporary World	CO1	This course explains the trials and turbulences and transition that the world had experienced over the years and analyses the problems of the present day world developments.
Semester III			
EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
ML3CCT03	Drishyakalasahithya m	CO1	General awareness about visual arts
		CO2	Introducing new common trends in Malayalam visual art writing.
HN3 CCT 03	Poetry Grammar and Translation	CO1	To make the students familiar with ancient and Modern Culture.

		CO2	To understand the principles and assumptions governing modern linguistic.
PS3CRT03	Issues and political processes in modern India	CO1	To study the power of the Centre and the autonomy of the states within the Indian federal system, which reflect and articulate well-defined regional identities. India's diversity, in terms of socio-economic, political and cultural systems provides an opportunity for the learners to study the Centre-State relations critically.
		CO2	There is an increasing need to understand that despite the wide array of powers, with which the Centre is armed by the constitution, there has been a growing trend of assertion of autonomy on the part of the states.
		C03	It also emphasizes on local influences that derive from social stratification of castes and jatis, from languages, religions and ethnic determinants and critically assess its impact on the political processes.
PS3CRT04	Political thought: Indian traditions	CO1	The course acquaints students with the fundamental texts and diverse traditions of Indian political thought in the pre modern and modern periods.
		CO2	The course tries to examine the problems and prospects of studying political thought in India and also seeks to recognize the continuity and change in various traditions like Brahmanic and Shramanic streams of political thought in the sub-continent.
		CO3	It also engages with the empirical and normative justifications provided by various political thinkers in the case of state, nationalism, culture, community, secularism, social justice, social justice, authority, equality, political obligation and so on.
EC3 CMT01	Principles of Economics (Complementary course 1)	CO1	To have a basic knowledge in basic micro economic theory.
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.

ML4CCT04	Malayalagadhyarachanakal	CO1	Introducing basics of prose
		CO2	Familiarizing new trends in writing
HN4 CCT 04	Drama and Long Poem.	CO1	To make the students familiar with Drama and other forms of arts.
		CO2	to make the students familiar with Drama and other forms of arts.
PS4CRT05	Introduction to political theory	CO1	The coursealso intends to generate some fruitful discussions on public policies in contemporary democracies on the basis certain normative concepts like rights, equality, justice, democracy and so on.
		CO2	The purpose of this course is to help the students understand the fundamental concerns of political theory and political philosophy from a methodologically pluralist point of view.
		CO3	The course introduces various approaches and traditions in political theory and also engages with aspects of state, nation, sovereignty and political system etc.
		CO4	The course seeks to achieve this understanding by studying the changing concerns of political theory in the pre-modern, modern and postmodern conditions.
PS4CRT06	Political thought: western traditions	CO1	The purpose of this course is to help the students understand the fundamental texts and traditions of Western political thought.
		CO2	The course tries to introduce various reading strategies like textual, contextual, and hermeneutic methods for analysing, interpreting and evaluating political thinkers/texts of different periods.
		CO3	The course seeks to recognize the continuity and change in the grand traditions of political thought in the Western world. It further engages with the central ideas and values of political texts and also traces the empirical and normative justifications provided by various political thinkers in the case of state, authority, justice, equality, political obligation and so on.

EC4CMT02	Basic Economic Studies (Complementary Course II)	CO1	The course intents to make UG students equipped with basic understanding in macroeconomics, general issues in Indian economy and Kerala economy.
Semester V			
PS5B09UG	Introduction to public administration	CO1	The course provides basic understanding of the discipline of public administration. The major importance is on administrative theory, including non-western developing country's perspectives
		CO2	Another emphasis is on the classical theories of administration is endows with some practical knowledge which is a link to the public policy.
		CO3	The course explores some contemporary social values and how the call for greater democratization and how far it is restructuring the realm of public administration.
		CO4	The course will also attempt to provide the student some practical hands-on understanding on contemporary administration and policy concerns.
PS5B07UG	Comparative political systems(major political systems-UK, USA, France, Switzerland & china)comparative political systems	CO1	The purpose is to familiarize students with the basic concepts and approaches to the study of comparative politics.Since the idea is to introduce many aspects of politics while engaging with various themes of comparative analysis in developed and developing countries
PS5B08UG	Research methods in political science	CO1	The course intends to familiarise the students with basic concepts of the Research Methods in Political Science. It also provides an idea of preparing Research design, various techniques of Data collection, Data analysis and report writing.
PS5D07UG PS5B10UG	Human rights in India Elements of International Politics	CO1	The purpose of the course is to inculcate a comprehensive knowledge of the concept of Human Rights in the Indian context. For that, the course provides structure of the Indian constitution as well as it provides a better understanding of the origin, evolution of rights and various steps taken by the national and international agencies for the protection and promotion of the Human Rights.
		CO2	This course also aims at comprehensive knowledge of the concept in the Indian context through dealing with various Human Rights movements .It also deals with the problems confronted by the marginalised sections in the Indian context.

		CO1	It seeks to equip students with the basic intellectual tools for understanding International Relations. The course begins by historically contextualizing the evolution of the international state system before discussing the agency-structure problem through the levels-of-analysis approach. After having set the parameters of the debate, students are introduced to different theories in International Relations.
		CO2	Students are expected to learn about the key milestones in world history and equip them with the tools to understand and analyze the same from different perspectives.
PS6B11UG	Human rights	CO1	The purpose of the course is to inculcate a comprehensive knowledge of the concept of Human Rights. For that, the course provides a better understanding of the origin, evolution of rights and various steps taken by the national and international agencies for the protection and promotion of the Human Rights.
		CO2	This course also aims at comprehensive knowledge of the concept in the Indian context through dealing with various Human Rights movements. Some of the debates prompt us to consider that there is no settled way of understanding concepts and that in the light of new insights and challenges which help the students for the better understanding of Human Rights.
		CO 3	It also provides a detailed analysis of the socio-political evolution political processes, structures & social movements in the state of Kerala and to equip the student's skills in analyzing key issues in Kerala politics and society.
PS6B12UG	Society and Politics in Kerala	CO 1	The objective of this course is to familiarize students with the society and politics of Kerala.
		CO 2	The course is intended to provide a comprehensive analysis of the social structure, social development, electoral politics and also the key issues in Kerala society and politics.
PS6B13UG	Issues in International Politics	CO1	This course provides insights into significant issues that inherently occupy the global political space in the post-Cold War era. The course introduces students to the important debates within the globalization discourse.
		CO2	The course also offers vital understanding of contemporary global concerns such as environmental issues, the proliferation of nuclear weapons, global terrorism, and human security.

PS6B14UG	Theories and Principles of Public Administration	CO1	The course provides basic understanding of the discipline of public administration. The major importance is on administrative theory, including non-western developing country's perspectives.
		CO2	Another emphasis is on the classical theories of administration is endows with some practical knowledge which is a link to the public policy. The course explores some contemporary social values and how the call for greater democratization and how far it is restructuring the realm of public administration.
		CO3	The course will also attempt to provide the student some practical hands-on understanding on contemporary administration and policy concerns.
PS6B15UG Choice Based	Gandhian Ideas and Applicable Techniques	CO1	This course intends to give an alternative approach to the problems faced by the society and how to tackle them by using the Gandhian Techniques. In this age of uttermost violence, it is strange to think of the man who talked always of non-violence. He demonstrated to the world that there can be strength for greater than that of armaments and that a struggle can be fought, and indeed should be fought, without bitterness and hatred.

Name of the Programme: BA Economics			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
EN1CC02	Pearls from the Deep	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
ML1CCT 01	Katha Sahithyam	CO1	Recognize general awareness in literature
		CO2	Appreciate importance of literature and life To sensitize aspects in Malayalam
HN1 CCT 01	Prose and One Act Play	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To give an authentic knowledge about the development of literature.
EC1CRT01	Perspectives and Methodology of Economics	CO1	The course intends to familiarize the students with the broad contours of Social Sciences, specifically Economics and its methodologies, tools and analysis procedures
		CO2	The course also aims to create an enthusiasm among students about different schools of Economic thought and various aspects of social science research, methodology, concepts, tools and various issues.
EC1CMT01	Principles of Economics (Complementary course 1)	CO1	To have a basic knowledge in basic micro economic theory.
HY1CMT02	Social Formations In Pre-Modern India	CO1	The course intends to give the students a general idea on the origins of the modern world and the force and course of various developments in different parts of the world.
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
EN2CCT04	Savouring the Classics	C01	The course is designed to introduce the students to the taste of time tested world classics. On completion of the course, the student should become familiar with the classics from various lands and should understand the features that go into the making of a classic.

ML2CCT02	Kavitha	CO1	General awareness in poetry
		CO2	To identify new trends in poetry
		CO3	Appreciate importance of poetry and life To sensitize aspects in Malayalam.
HN2 CCT 02	Novel and Stories	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To make students familiar with novel and stories.
EC2CRT02	Micro Economic Analysis I	CO1	This is an introductory course that teaches the fundamentals of microeconomics. It gives the foundation for economic analysis and problem solving.
		CO2	This course provides an introduction to supply and demand and the basic forces that determine equilibrium in a market economy.
		CO3	It introduces a framework for learning about consumer behaviour and analysing consumer decisions.
		CO4	The course also attends to firms and their decisions about optimal production. By the end of the course, we will be able to understand introductorymicroeconomic theory, solve basic microeconomic problems, and use these techniques to think about a number of policy questions related to the operation of the real economy.
EC2CMT02	Basic Economic Studies (Complementary Course II)	CO1	The course intents to make UG students equipped with basic understanding in macroeconomics, general issues in Indian economy and Kerala economy.
HY2CMT03	Transition to the Contemporary World	CO1	- This course explains the trials and turbulences and transition that the world had experienced over the years and analyses the problems of the present day world developments.
Semester III			
EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the

			fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
ML3CCT03	Drishyakalasahithyam	CO1	General awareness about visual arts
		CO2	Introducing new common trends in Malayalam visual art writing.
HN3 CCT 03	Poetry Grammar and Translation	CO1	To make the students familiar with ancient and Modern Culture.
		CO2	To understand the principles and assumptions governing modern linguistic.
EC3CRT03	Micro Economic Analysis II	CO1	This course helps the students to develop skills enabling them to understand economicconcepts and use those concepts to analyse specific questions.
		CO2	By the end of this course, students should be able to understand consumer and firms' behaviour and to analyzedifferent types of market structures.
		CO3	It also analyzes the behaviour of firms in a monopoly or oligopoly, and calculates the resulting changes in producer or consumer surplus. It helps students to use economic tools to analyze economic policies
EC3CRT04	Economics of Growth and Development	CO1	This course enables the student to acquaint with the basic concepts and issues of growth and development from Adam Smith.
		CO2	It makes a student more insightful about themodern approaches to development presented by D Goulet and AmartyaSen
PS3CMTO1	An introduction to political science	CO1	The course follows a basic historical-analytical framework of the discipline. It stresses upon a critical understanding of constitutional design and institutional framework of government.
		CO2	Integral to the course is the understanding that ideas of democracy and freedom and corresponding social relations and political and institutional practices took shape the discipline in a more meaningfully.
		CO3	The course aims therefore to develop among students the ability to comprehend contemporary politics as a relationship between institutional structures and historically constituted political processes.
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.

ML4CCT04	Malayalagadhyarachanakal	CO1	Introducing basics of prose
		CO2	Familiarizing new trends in writing
HN4 CCT 04	Drama and Long Poem.	CO1	To make the students familiar with Drama and other forms of arts.
		CO2	to make the students familiar with Drama and other forms of arts.
EC4CRT05	Macro Economics I	CO1	This course is designed to give students grounding in the techniques of Macroeconomic analysis and to provide the basic ideas of classical and Keynesian Macroeconomics.
EC4CRT06	Public Economics	CO1	Public finance analyses the impact of public policy on the allocation of resources and thedistribution of income in the economy. In modern times, the activities of State have considerably increased and the theoretical understanding of different State activities throughthe budgetary mechanism is essential. The objective of the course is for students to learn about the working of the public finance system and to gain knowledge about the working of the Indian public finance.
EC4CRT06	Public Economics	CO1	Public finance analyses the impact of public policy on the allocation of resources and thedistribution of income in the economy. In modern times, the activities of State have considerably increased and the theoretical understanding of different State activities throughthe budgetary mechanism is essential. The objective of the course is for students to learn about the working of the public finance system and to gain knowledge about the working of the Indian public finance.
PS4CMT05	Indian Constitution: Social Issues in India	CO1	This course acquaints students with the constitutional design of state structures and institutions, and their actual working overtime. The Indian Constitution accommodates conflicting impulses (of liberty and justice, territorial decentralization and a strong union, for instance) within itself.
		CO2	The course traces the embodiment of some of these conflicts in constitutional provisions, and shows how these have played out in political practice.
		CO3	It further encourages a study of state institutions in their mutual interaction, and in interaction with the larger extra-constitutional environment.
Semester V			
EC5B07U	Quantitative Techniques for Economic Analysis	CO1	The objective of this course is to equip the students with primary statistical and mathematical tools for analysing

			economic problems.
EC5B08U	Principles of Macro Economics	CO1	This paper is designed to make the students aware of the theoretical aspects of Macro Economics.
EC5B09U	Indian Economy	CO1	The objective of the course is to equip the students with the theoretical, empirical and policy issues relating to the society,policy and economy of India.
EC5B10U	Economics of Financial Markets	CO1	Financial institutions and markets play a significant role in all the modern economies of the world. The study of this area is significant especially after the financial sector reforms in most of the countries.
		CO2	The present course is designed to acquaint the students with the changing role of the financial sector of the economy. The stake holders are to familiarize with the basic concepts, the financial institutions and markets.
EC5D02U	Fundamentals of Economics (Open Course)	CO1	This course is designed to make the under graduate students of other disciplines aware of the basic ideas and concepts in Economics
Semester VI			
EC6B11U	Quantitative Economics	CO1	Students of Economics need a variety of statistical skills to collect ,analyse and interpret empirical data. This course intends to provide an introduction to statistical methods and tools that are essential for the study of economics at the undergraduate level.
EC6B12U	Macro Economic Analysis	CO1	This paper is designed to make the students aware about the analytical and theoretical aspects in macro economics
EC6B13U	Development Issues of The Indian Economy with Special Reference to Kerala	CO1	The objective of the course is to equip the students with the theoretical, empirical and policy issues relating to the society, polity and economy of Kerala. The paper, in particular, has been prepared in the background of the globalization process and its diverse ramifications on the knowledge economy.
EC6B15U	International Economics	CO1	This course provides the students a thorough understanding and deep knowledge about thebasic principles that tend to govern the flow of trade in goods and services at the global level.
		CO2	The contents of the Paper, spread over various modules, lay stress both on theory and appliednature of the subject
EC6B14U	Marketing Management(choice – based course)	CO1	To impart knowledge of various aspects of marketing and acquaint the students with the applied problems of marketing with special reference to India.
		CO2	To familiarize the students the different channels of distribution and the promotion mix.

Name of the Programme: BSc Botany			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC02	Pearls from the Deep	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
ML1CCT 01	01 Katha Sahithyam	CO1	Recognize general awareness in literature
		CO2	Appreciate importance of literature and life To sensitize aspects in Malayalam
HN1 CCT 01	Prose and One Act Play	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To give an authentic knowledge about the development of literature.
BO1CRT01	Methodology of science and an introduction to botany	CO1	The specific objectives of this course is to understand the universal nature of science, demonstrate the use of scientific method, impart an insight into the different types of classifications in the living kingdom and appreciate the world of organisms and its course of evolution and diversity.
CH1CMT01	Basic Theoretical And Analytical Chemistry	CO1	To study about the Methodology of Chemistry. To make the students observe the Analytical Methods in Chemistry
ZY1CMT01	NON CHORDATE DIVERSITY	CO1	To study the scientific classification of invertebrate fauna. To learn the physiological and anatomical peculiarities of some invertebrate phyla through type study. To learn the unity of life with rich diversity of organisms & evolutionary significance of certain invertebrate fauna. To stimulate the curiosity of students' in the biota living around them.
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
ML2CC T02	Kavitha	CO1	General awareness in poetry
		CO2	To identify new trends in poetry
		CO3	Appreciate importance of poetry and life To sensitize aspects in Malayalam.
HN2 CCT 02	Novel and Stories	CO1	To develop students competence with reference to Hindi language and literature.

		CO2	To make students familiar with novel and stories.
BO2CRT02	Microbiology, mycology and plant pathology	CO1	During this course student understand the world of microbes, fungi and lichens, appreciate the adaptive strategies of the microbes, fungi and lichens and to study the economic and pathological importance of microorganisms
CH2CMT02	BASIC ORGANIC CHEMISTRY	CO1	To study the fundamentals of Organic Chemistry
ZY2CMTO2	CHORDATE DIVERSITY	CO1	To make the student observe the diversity in chordates and their systematic position. To make the students aware of the economic importance of some chordates. To learn the physiological and anatomical peculiarities of some vertebrate species through type study. To stimulate the students' curiosity in vertebrates living associated with them.
Semester III			
EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
ML1C CT05	Kathayum Kavithayum	CO1	General awareness about Malayalam literature.
		CO2	Introducing new common trends in Malayalam literature.
HN3 CCT 03	Poetry Grammar and Translation	CO1	To make the students familiar with ancient and Modern Culture.
		CO2	To understand the principles and assumptions governing modern linguistic.
BO3CRT03	Phycology and bryology	CO1	To study the evolutionary importance of Algae as progenitors of land plants, understand the unique and general features Algae and Bryophytes and familiarize it, to study the external morphology, internal structure and reproduction of different types of Algae and Bryophytes and realize the application of Phycology in different fields.
CH3CMT04	INORGANIC AND ORGANIC CHEMISTRY	CO1	To study the fundamentals of inorganic and Organic Chemistry. Make the students aware about the organic reactions.
ZY3CMT03	PHYSIOLOGY AND IMMUNOLOGY	CO1	To appreciate the correlation between structure and function of organisms To make the student aware of the health related problems, their origin and treatment. To understand how efficiently our immune system works in our body. To acquire knowledge about preventing common diseases rather than

			curing.
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.
ML2C CT06	Pathra Pravarthanam	CO1	Introducing basics of Journalism.
		CO2	Familiarizing new trends in journalism.
HN4 CCT 04	Drama and Long Poem.	CO1	To make the students familiar with Drama and other forms of arts.
		CO2	to make the students familiar with Drama and other forms of arts.
BO4CRT04	Pteridology, gymnosperms and palaeobotany	CO1	To understand the diversity in habits, habitats and organization of various groups of plants. The semester helps students to impart an insight into the modern classifications in lower forms of plants and understand the significance of Palaeobotany and its applications.
CH4CMT06	ADVANCED BIO-ORGANIC CHEMISTRY	CO1	To study the advanced approaches of bio-organic chemistry
ZY4CMT04	APPLIED ZOOLOGY	CO1	To acquire basic knowledge and skills in applied branches of zoology. To understand the technology for utilising eco friendly organisms around them for beneficial purposes. To equip the students for self employment opportunities with scientific knowledge to perform profitably & confidently.
Semester V			
BO5B05U	Mycology, Lichenology and Pathology	CO1	To impart an insight into the internal structure and reproduction of the most evolved group of plants, the Angiosperm, understand the individual cells and also tissues simultaneously and understand the techniques used to preserve and study plant materials
BO5B06U	Bryology, Pteridology, Gymnosperms and Palaeobotany	CO1	Understand the unique and general features Bryophytes and familiarize it To study the external morphology, internal structure and reproduction of different types of Bryophytes
		CO2	To understand the diversity in habits, habitats and organization of various groups of plants. The semester helps students to impart an insight into the modern classifications in lower forms of plants and understand the significance of Palaeobotany and its applications.
BO5B07U	Angiosperm Morphology,	CO1	Acquaint with the aims, objectives and significance of taxonomy. Identify the common species of plants growing in

	Taxonomy and Eco. Botany		Kerala and their systematic position. Develop inductive and deductive reasoning ability.
BO5B08U	Cell and Molecular Biology and Evolution	CO1	For understanding the ultrastructure and functioning of cell in the sub-microscopic and molecular level, get an idea of origin, concept of continuity and complexity of life activities and familiarization of life processes
BO5D01U	Horticulture and Nursery Management	CO1	Understand the importance of horticulture in human welfare.
		CO2	Understand the propagation and cultural practices of useful vegetable, fruit and garden plants. Understand the impact of modern technologies in biology on horticultural plants.
Semester VI			
BO6B09U	Plant Physiology and Biochemistry	CO1	Acquire basic knowledge needed for proper understanding of plant functioning. Familiarize with the basic skills and techniques related to plant physiology.
		CO2	Understand the role, structure and importance of the biomolecules associated with plant life.
BO6B10U	Environmental Studies and Ecotourism	CO1	Acquaint the student with the significance of Environmental Science. Enable the students to understand the structure and function of the Ecosystems. Make the students aware about the nature and structure of various environmental laws in India. Make the students assess the positive and negative impacts of Ecotourism and its role in the sustainable utilization of resources for tourism..
BO6B11U	Genetics, Plant Breeding and Horticulture	CO1	Imparting an insight into the principles of heredity. Understand the patterns of inheritance in different organisms.
		CO2	Understand the inheritance pattern of nuclear and extra nuclear genes.
		CO3	Understand the methods of crop improvement
BO6B12 U	Biotechnology and Bioinformatics	CO1	Familiarize with the fundamental principles of biotechnology, various developments in biotechnology and potential applications. Make aware that life forms and activities can be exploited for human advancement. Impart an introductory knowledge about bioinformatics to the students. Use of computers to handle biological databases.
BO6B13 U	Agribusiness	CO1	Inculcate and impart an idea about the business opportunities in the field of plant sciences. Develop an entrepreneurial mindset and also to stick on to the core subject among the Botany students. Give an idea about the need of sustainable development and organic farming. Harness the opportunities and potentials in the field of ecotourism, processing technology and food sciences.

Name of the Programme: BSc Chemistry			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
EN1CC02	Pearls from the Deep	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
ML1CCT 01	01 Katha Sahithyam	CO1	Recognize general awareness in literature
		CO2	Appreciate importance of literature and life To sensitize aspects in Malayalam
HN1 CCT 01	Prose and One Act Play	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To give an authentic knowledge about the development of literature.
CH1CRT01	General and analytical chemistry	CO1	Students get familiarized with the methodology,basic experimental and analytical techniques in Chemistry.
CH1CMT01	Basic theoretical and analytical chemistry	CO1	The students an insight into some of the fundamental concepts and principles that are very essential in the study of chemistry
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
ML2CC T02	Kavitha	CO1	General awareness in poetry
		CO2	To identify new trends in poetry
		CO3	Appreciate importance of poetry and life To sensitize aspects in Malayalam.
HN2 CCT 02	Novel and Stories	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To make students familiar with novel and stories.
CH2CRT02	Theoretical and inorganic chemistry	CO1	The atomic structure, bonding and ideas of periodic table are introduced to the students

CH2CRP01	Volumetric analysis	CO1	Practical knowledge on Analytical Chemistry, Inorganic analysis and basic instrumental analysis were introduced
CH2CMT02	Basic organic chemistry	CO1	Understand some fundamental aspects of organic chemistry
Semester III			
EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
EN3CC07	Gems of Imagination	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
ML1C CT05	KathayumKavithayum	CO1	General awareness about Malayalam literature.
		CO2	Introducing new common trends in Malayalam literature.
HN3 CCT 03	Poetry Grammar and Translation	CO1	To make the students familiar with ancient and Modern Culture.
		CO2	To understand the principles and assumptions governing modern linguistic.
CH3CRT03	Organic chemistry – I	CO1	Students will get guided to the mechanism in organic chemistry
CH3CMT03	Physical chemistry – I	CO1	Students will achieve a thorough knowledge about molecular structure and its electrical and nuclear properties and to develop proper aptitude towards the study of molecular structure
CH3CMT04	Inorganic and organic chemistry	CO1	The understanding of facts and concepts in inorganic and organic chemistry will be enhanced.
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.
ML2C CT06	PathraPravarthanam	CO1	Introducing basics of Journalism.
		CO2	Familiarizing new trends in journalism.
HN4 CCT 04	Drama and Long Poem.	CO1	To make the students familiar with Drama and other forms of arts.
		CO2	to make the students familiar with Drama and other forms

			of arts.
CH4CRT04	Organic chemistry –II	CO1	Familiarizes advanced organic chemistry
CH4CRP02	Qualitative organic analysis	CO1	Students will understand the basics of experimental procedures of organic chemistry
CH4CMT05	Physical chemistry – II	CO1	Understanding of the basic facts and concepts in spectroscopy and develop interest in students to study the structure and properties of matter.
CH4CMT06	Advanced bio-organic chemistry	CO1	Promote understanding of facts and concepts in bio-organic chemistry
Semester V			
CH5B01	Chemistry of d and f block elements	CO1	Improve the level of understanding of the chemistry of transition and inner transition metals, coordination compounds, organometallic compounds, metal carbonyls and bioinorganic chemistry.
CH5B01	Qualitative Inorganic Analysis	CO1	Study the reactions of radicals their identification and confirmation and study the experimental techniques for mixtures.
CH5B02	Basic Organic Chemistry-II	CO1	The students get a thorough knowledge about the mechanisms of reactions of some selected functional groups in organic compounds and also to give an outline of applied organic chemistry and the applications of organic chemistry in various spheres of chemical sciences.
CH5B02	Preparation and basic Lab Skills	CO1	Get familiarized with Basic Laboratory Skills and Organic preparations
CH5B03	States of matter	CO1	Understand the general characteristics of different states of matter
CH5 B03	Physical Chemistry Practical	CO1	Get familiarized with Experimental physical chemistry
CH5B04	Quantum Mechanics and Spectroscopy	CO1	Students understand the fundamentals of quantum mechanics and its applications in the study of structure of atoms, bonding in molecules and molecular spectroscopy
CH5D01.6	Nanoscience and Nanotechnology (Open Course)	CO1	To exploits the unique characteristics of nano size particle to create new excellent characteristics of substances
		CO2	To provide knowledge about the application of nanomaterials in biology and medicine.
Semester VI			

CH6B01	APPLIED INORGANIC CHEMISTRY	CO1	The course is to sensitise the students to the spectrum of applications of chemical methods and materials.
CH6B01	Qualitative Inorganic Analysis	CO1	Will be expertized in chemical methods in Inorganic analysis.
CH 6B02	Chemistry of Natural products and Biomolecules	CO1	Get an outline of bio-organic chemistry and chemistry of natural products
CH6B02	Preparation and Basic Laboratory Skills	CO1	Get expertized in practical organic chemistry
CH6B03	Equilibrium and Kinetics	CO1	Students get an insight into the thermodynamic and kinetic aspects of chemical reactions and phase equilibria
CH6 B03	Physical Chemistry Practical	CO1	Get familiarized with Experimental physical chemistry
CH6B04	SOLUTION CHEMISTRY	CO1	Students get an insight into the characteristics of different types of solutions and electrochemical phenomena
CH6B05	Gravimetric Analysis	CO1	Students will understand the concepts like molarity,normalityetc
CH6B07	Project/ Dissertation	CO1	Promote the research aptitude of the students and will get an opportunity to get involved in research activities.
CH6B06.1	Nano chemistry and Nanotechnology (Choice based courses)	CO1	To understand the basics of nano technology and to understand the optical and electrical properties of nanomaterials.
		CO2	different methods for characterization of nanomaterials and its applications in different fields.

Name of the Programme: BSc Physics			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
EN1CC02	Pearls from the Deep	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
ML1CCT 01	Katha Sahithyam	CO1	Recognize general awareness in literature
		CO2	Appreciate importance of literature and life To sensitize aspects in Malayalam
HN1 CCT 01	Prose and One Act Play	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To give an authentic knowledge about the development of literature.
PH1CRT01	Methodology and Perspectives of Physics	CO1	Course will introduce the pursuit of Physics, its history and methodology. The course will also introduce the importance of measurement which is central to physics.
PH1CMT01	Properties of Matter & Error Analysis	CO1	Provides knowledge in basic errors that may occur in while taking measurements and their propagation in mathematical calculations. Also helps to understand the basic Physics behind many daily life applications of mechanics.
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
EN2CCT04	Savouring the Classics	C01	The course is designed to introduce the students to the taste of time tested world classics. On completion of the course, the student should become familiar with the classics from various lands and should understand the features that go into the making of a classic.
ML2CC T02	Kavitha	CO1	General awareness in poetry
		CO2	To identify new trends in poetry
		CO3	Appreciate importance of poetry and life To sensitize aspects in Malayalam.
HN2 CCT 02	Novel and Stories	CO1	To develop students competence with reference to Hindi language and literature.

		CO2	To make students familiar with novel and stories.
PH2CRP01	Mechanics and Properties of Matter (Core Practical I)	CO1	The practicals of I and II semester helps the student to learn the theories they learned in mechanics through experiments. And will get familiarized with experiments in fluid dynamics.
PH2CRT02	Mechanics and Properties of Matter	CO1	Empower the student to acquire engineering skills and practical knowledge, which help the student in their everyday life.Student will get atheoretical basis for doing experiments in related areas.
PH2CMP01	Practical 1	CO1	The student will learn to setup basic experiments in mechanics,electricity and electronics and get expertise in doing calculations.
PH2CMT01	Mechanics and Astrophysics	CO1	Imparts basic knowledge of mechanics and mathematical tools.And will cater into the basic requirements for his/her higherstudies.
Semester III			
EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
ML3CCT03	Drishyakalasahithyam	CO1	General awareness about visual arts
		CO2	Introducing new common trends in Malayalam visual art writing.
HN3 CCT 03	Poetry Grammar and Translation	CO1	To make the students familiar with ancient and Modern Culture.
		CO2	To understand the principles and assumptions governing modern linguistic.
PH3CRT03	Optics, Laser and Fiber Optics	CO1	Provide necessary foundation in optics and photonicsand prepare the students for an intensive study of advanced topics at a later stage.
PH3CMT01	Modern Physics and Electronics	CO1	Introduces the topics of quatum mechanics, spectroscopy and the basic principles of electronics
PH3CMT02	Modern Physics and Magnetism	CO1	The course will cater the basic requirements for their higher studies.
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.

ML4CCT04	Malayalagadhyarachanakal	CO1	Introducing basics of prose
		CO2	Familiarizing new trends in writing
HN4 CCT 04	Drama and Long Poem.	CO1	To make the students familiar with Drama and other forms of arts.
		CO2	to make the students familiar with Drama and other forms of arts.
PH4CRP02	Optics and Semiconductor Physics (Core Practical II)	CO1	With the experiments in optics using apparatus like spectrometer,prism,gratingetc the students get an oppurtunity to learn the theory by doing.and the experiments in electronics introduces the student how to set up a circuit and how to analyse it.
PH4CRT04	Semiconductor Physics	CO1	The physicalprinciples and applications of Electronics are learned
PH4CRP02	Optics and Semiconductor Physics (Core Practical II)	CO1	With the experiments in optics using apparatus like spectrometer,prism,gratingetc the students get an opportunity to learn the theory by doingand the experiments in electronics introduces the student how to set up a circuit and how to analyse it.
PH4CMP01	Practical 2	CO1	Experiments in optics,electricity and magnetism and electronics helps the student to understand the essence of theories they learned in Physics and will provide a stepping stone in further research activities.
PH4CMT01	Optics & Electricity	CO1	The student will get familiarized to the topics of interference, diffraction,polarization,laser,fiber optics and also will understand the basics of electricity.
PH4CMP01	Practical 2	CO1	Experiments in optics,electricity and magnetism and electronics helps the student to understand the essence of theories they learned in Physics and will provide a stepping stone in further research activities.
PH4CMP02	Practical 2	CO1	Experiments in optics,electricity and magnetism and electronics helps the student to understand the essence of theories they learned in Physics and will provide a stepping stone in further research activities.
PH4CMT02	Optics and Solid State Physics	CO1	The learner will acquire basic knowledge in optical phenomena such as interference , diffraction etc and its real life applications. Also the course introduces the concepts of crystal structure.
PH4CMP02	Practical 2	CO1	Experiments in optics,electricity and magnetism and electronics helps the student to understand the essence of theories they learned in Physics and will provide a stepping stone in further research activities.
Semester V			

PH05BAA01	Classical and Quantum Mechanics	CO1	This course will help the student to understand advanced theoretical studies in Condensed Matter Physics, Spectroscopy, Astrophysics, Electrodynamics and Nuclear Physics.
PH05BA901	Physical Optics and Photonics	CO1	Provide necessary foundation in optics and photonics
PH05BA902	Thermal and Statistical Physics	CO1	Develop a working knowledge of statistical mechanic and use this knowledge to explore various applications related to topics in material science and the physics of condensed matter.
PH05BA903	Digital Electronics	CO1	Provide necessary back ground for applications of electronics in mathematical computation.
PH05DAP02	Open course Energy and Environmental Studies	CO1	The course creates concern among the students on energy conservation and environmental protection.
PH56BA901	Classical and Quantum Mechanics and Computational Physics (P)	CO1	The student will learn to perform experiments in mechanics and will learn basic programming in C++
PH56BA902	Physical Optics and Photonics and Nuclear and Particle Physics (P)	CO1	Get expertise in using lab equipment such as spectrometer, CRO etc and through these experiments they learn the basics in many advanced systems in experimental Physics.
PH56BA903	Thermal and Statistical Physics and Condensed Matter Physics (P)	CO1	The learner will get expertise in doing electronics experiments
PH56BA904	Digital Electronics,Relativity and Spectroscopy (P)	CO1	The experiments in digital electronics and microprocessor will make the student familiarized with the actual processes that is happening in computers.
Semester VI			
PH06PR901	Project	CO1	Creates research aptitude in students and learners get an opportunity to extend the theories they learned to a practical scenario.
PH06BA901	Computational Physics	CO1	Give an insight to computer hardware,computer applications and various numerical methods.
PH06BA902	Nuclear and Particle Physics	CO1	This course will help the student to explore the interior of nucleus and interaction between nucleons and hence to better understand the existence of matter and energy production.
PH06BA903	Condensed Matter Physics	CO1	Introduce the Physics behindphenomenalikeelectro-magnetic properties, super-conductivity and super fluidity.
PH06BA904	Relativity and Spectroscopy	CO1	Introduce principles of spectroscopy and specialtheory of relativity to the learners

PH06BB906	Choice Based Course Information Technology.	CO1	Familiarizes the fascinating world of information technology and how to use the tools available in Internet and the World Wide Web for a deep study of the subjects related to physics in better way by the students themselves.

Name of the Programme: BSc Mathematics			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
EN1CC02	Pearls from the Deep	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
ML1CCT 01	01 Katha Sahithyam	CO1	Recognize general awareness in literature.
		CO2	Appreciate importance of literature and life To sensitize aspects in Malayalam
HN1 CCT 01	Prose and One Act Play	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To give an authentic knowledge about the development of literature.
MM1CRT01	Foundation of Mathematics	CO1	The students should have attained a foundation in basic mathematics and other relevant subjects to complement the core for their future courses.
PH1CMT01	Properties of Matter & Error Analysis	CO1	Provides knowledge in basic errors that may occur in while taking measurements and their propagation in mathematical calculations. Also helps to understand the basic Physics behind many daily life applications of mechanics.
STICMT01	Descriptive Statistics	CO1	Implement knowledge in basic Statistical techniques for solving everyday problems by analysing relevant data.
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and

			positively to the issues raised
ML2CC T02	Kavitha	CO1	General awareness in poetry
		CO2	To identify new trends in poetry
		CO3	Appreciate importance of poetry and life To sensitize aspects in Malayalam.
HN2 CCT 02	Novel and Stories	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To make students familiar with novel and stories.
MM2CRT01	Analytic Geometry,Trigonometry and Differential Calculus	CO1	The students attained a deep knowledge in Geometry,Trigonometry and Differential Calculus.
PH2CMT01	Mechanics and Astrophysics	CO1	Imparts basic knowledge of mechanics and mathematical tools.And will cater into the basic requirements for his/her higherstudies.
ST2CMT02	Probability Theory	CO1	Understand the applications of probability theory in the day to day life.
Semester III			
EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
ML1C CT05	Kathayum Kavithayum	CO1	General awareness about Malayalam literature.
		CO2	Introducing new common trends in Malayalam literature.
HN3 CCT 03	Poetry Grammar and Translation	CO1	To make the students familiar with ancient and Modern Culture.
		CO2	To understand the principles and assumptions governing modern linguistic.
MM3CRT01	Calculus	CO1	They will be familiar with additional relevant mathematical techniques like calculus.
PH3CMT01	Modern Physics and Electronics	CO1	Introduces the topics of quatum mechanics, spectroscopy and the basic principles of electronics

ST3CMT03	Probability Distributions	CO1	Understand the applications of probability distributions in the real data and the use of different sampling distributions.
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.
ML2C CT06	PathraPravarthanam	CO1	Introducing basics of Journalism.
		CO2	Familiarizing new trends in journalism.
HN4 CCT 04	Drama and Long Poem.	CO1	To make the students familiar with Drama and other forms of arts.
		CO2	to make the students familiar with Drama and other forms of arts.
MM4CRT01	Vector Calculus, Theory of Numbers and Laplace Transforms	CO1	They will be familiar with techniques in Vector Calculus, Theory of Numbers and Laplace transforms.
PH4CMT01	Optics & Electricity	CO1	The student will get familiarized to the topics of interference, diffraction,polarization,laser,fiber optics and also will understand the basics of electricity.
ST4CMT04	Statistical Inference	CO1	Upon the completion of the course, the students will be able to do the estimation procedures and hypothesis testing problems.
Semester V			
MM5B01	Mathematical Analysis	CO1	The students attained a deep knowledgeabout real valued functions.
MM5B02	Differential Equations	CO1	The students will be able to apply differential equations to different real life problems.
MM5B03	Abstract Algebra	CO1	The students attained a deep knowledge in Abstract Algebra.
MM5B04	Fuzzy Mathematics		To introduce the students to the basics of Fuzzy set theory and Fuzzy Logic.
MM5D02	Applicable Mathematics (Open Course)	CO1	Improves the numerical ability of students and it helps the students to attend various competitive examinations.
Semester VI			
MM6BO1	Real Analysis	CO1	The students attained a deep knowledge about real valued functions.

MM6B02	Complex Analysis	CO1	They will be familiar with relevant techniques in Complex Analysis
MM6B03	Discrete Mathematics	CO1	The students attained a deep knowledge in application of Graph Theory in various fields and attained a good knowledge about number theory.
MM6B04	Linear Algebra and Metric Spaces	CO1	They will be familiar with application of matrices. attained a good knowledge about metric spaces.
MM6D01	Operations Research (Choice Based Course)	CO1	Job oriented course-To introduce optimization techniques in various fields using different methods
MM6B05	Project		

Name of the Programme: B.Sc. Food Science and Quality Control

Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
FS1CRT01	Basic Nutrition	CO1	Understand the relationship between nutrition and human well being and to understand the functions and importance of all nutrients.
FS1CRT02	Basic Food Chemistry	CO2	Students acquire knowledge on the macro and micro constituents of the food and know the structure and chemical characteristics of constituents of food
FS1CRT03-	Methodology in the Discipline of Food Science	CO3	Students get familiarise to different aspects of food science, emerging trends in the field and to understand research oriented techniques and data analysis
CH1CMT01	- Basic Thoeretical and analytical chemistry	CO4	Students get a basic knowledge in atomic structure, fundamental concepts and analytical techniques
ZY1CMT01	- Non Chordate Diversity	CO5	Leaners get familiarize with rich diversity of organisms and evolutionary significance in invertibrate fauna
MM1CMT01	Partial Differentiation, matrices, trignometry and numerical methods	CO6	Upon completion students can apply differentiation, trignometry, matrics and numerical methods in different fields of science
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
FS2CRT04	Food Commodities	CO1	Learners understand the basic commodities both raw and processed in food industries and various aspects of their quality, production and distribution

FS2CRT05	-Food Preservation	CO2	Students acquire knowledge on different preservation techniques used to enhance the shelf span of food products
FS2CRT06	- Food Microbiology, Sanitation and Hygiene	CO3	Students get an elementary knowledge about micro organisms and develop an understanding of industry and in maintenance of health
FS2OJP07	Industrial Training(one month)	CO4	Leaners acquire practical knowledge in food production and its analysis in application level
CH2CMT02	Basic Organic Chemistry	CO5	Students will get guided to the mechanism in organic chemistry
ZY2CMT02	Chordate Diversity	CO6	Students learn the physiological and anatomical peculiarities of vertibrate and their economic importance
MM2CMT02	Integral Calculus and Differential Equations	CO7	Students understand the scope of differents calculus and its application
MM2CMT02	Integral Calculus and Differential Equations	CO8	Students get expertize in different volumetric analysis methods
ZY2CMP01	Non chordate diversity and chordate diversity(practicals)	CO9	Students acqire a practical skill and familiarise in dissection and identification of organisms
Semester III			
FS3CRT08	Processing Technology of Animal Foods	CO1	The course enable students to understand the importance and methods of post processing technology of animal foods
FS3CRT09	Sensory Evaluation	CO2	Understand different aspects of sensory science and its application and its importance as an analytical tool
FS3CRT10	Food Packaging Materials and Testing	CO3	Students become familiar with different methods and materials used for packaging, technology behind packaging and its interaction with food and shelf life testing
CH3CMTO4	Inorganic and organic chemistry	CO4	The understanding of facts and concepts in inorganic and organic chemistry will be enhanced.
ZY3CMT03	Physiology and Immunology	CO5	Leaners could understand the organ systems and immunological activities in the body
MM3CMT03	Vector calculus, analytical geometry and abstract algebra	CO6	Students will be familiar with techniques in vector calculus, geometry and algebra
Semester IV			
FS4CRT11	Processing Technology of Plant Foods	CO1	To enable students to understand the importance and to gain knowledge in the processing of plant foods
FS4CRT12	-Analytical	CO2	Students gain knowledge about principles and

	Instrumentation		application of different instruments used in food analysis.
FS4CRT13	Food Safety and Quality Assurance	CO3	To provide a basic understanding of quality concepts and practice in food companies, planning and organization of quality control system and provide basic aquaintance with standard and specifications
FS4OJP14	Industrial Training (One Month)	CO4	Acqire practical knowledge in food industry and become able to compete in the field
CH4CMT06	Advanced Bio-organic chemistry	CO5	Students understand the basic bio organic components, its structure and functions
ZY4CMT04	Applied Zoology	CO6	Students get exposed to various applied methods in zoology like aquaculture, horticulture etc
MM4CMT04	Fourier series, Laplace Transform and complex analysis	CO7	Students get knowledge in relevant techniques in mathematics
CH4CMP03	Organic chemistry practicals	CO8	Students get familiarized with qualitative analysis of organic compounds
ZY4CMP02	Physiology and Immunology and Applied Zoology Practicals	CO9	Students will be able to handle microscope and various physiological tests and understand the identification and economic importance of applied zoological techniques
Semester V			
FQ5B63	FoodToxicology	CO1	To make students aware of the toxicity in foods and assess the safety of food
FQ5B64	Food Analysis and Adulteration Testing (T&P) I	CO2	Students understand different sampling techniques employed in chemical analysis of foods and various chemical methods of food analysis and to do adulteration techniques and familiarize different laboratory euipments and hands on experience on analysis of food.
FQ5D67	Human Health and Nutrition	CO3	To make students aware of relationship eith nutrion and health, nutritional programmes and nutritional deficiency diseases
FQ5B65	- Basic Microbiology Practicals	CO4	To study the different laboratory equipments in the lab, understand the preparation of media, - To get thorough with various staining techniques, isolation and enumeration of microbes
FQ5B66	Food Chemistry Practicals	CO5	To understand different chemical analysis methods of food
Semester VI			
FQ6B68	Entreprenuership Development	CO1	Understand role of entreprenuership in food industry and familiarise with procedures and legal issues

			involved in setting up an enterprise
FQ6B69	Food Analysis and Adulteration Testing (T&P) II	CO2	To enable students to familiarize about the testing methods for adulteration and familiar with tests used for quality control
FQ6B70	Food Microbiology Practicals	CO3	Study the standard plate count method, identify microorganisms based on their enzymatic activity, evaluate micro flora of various food samples, assess sanitary quality of water
FQ6B71	Advanced Food Chemistry Practicals	CO4	Students become able to perform various chemical analysis of food
FQ6B72	Introduction to Food Engineering	CO5	To provide an understanding of basics in food engineering techniques
FQ6B73	Project/Dissertation	CO6	Promote the research aptitude of the students and will get an opportunity to get involved in research activities.

Name of the Programme: BCA			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	English-I-Fine tune your English	CO1	to know the basics of grammar of structure of English language and enhance their writing skill.
MM1CMT03	Discrete Mathematics I	CO1	Mathematics is a basic requirement of all programs in science stream. This course will help students to go for the higher studies.
ST1CMT01	Basic Statisticsand introductory Probability Theory	CO1	Understand basic Statisticaltechniques and probability theoryfor solving everyday problems byanalysing relevant data.
CA1CRT01	Computer Fundamentals and Digital Principles	CO1	Identify and analyse computer hardware, software, and network components
CA1CRT02	Methodology of Programming and C Language	CO1	Design, implement, test and debug programs that use calculations and selections
CA1CRP01	Software Lab I	CO1	Makes the students capable of implementing the C programming concepts
Semester II			
EN2CC03	English-II- Issues	CO1	To enable the students to identify the major issues of

	that Matter		contemporary significance and respond rationally and positively to the issues raised
MM2CMT03	Discrete Mathematics II	CO1	Mathematics is a basic requirement of all programs in science stream. This course will help students to go for the higher studies.
CA2CRT03	Data Base Management Systems	CO1	This course enables the students to familiarize with various database system concepts and to write queries in SQL
CA2CRT04	Computer Organization and Architecture	CO1	To understand the structure, function and characteristics of computer systems.
		CO2	To understand the design of the various functional units and components of computers
CA2CRT05	Object oriented programming using C++	CO1	Apply good programming principles to the design and implementation of C++ programs.
CA2CRP02	Software Lab- II	CO1	Makes the students capable of implementing the C++ programming concepts
Semester III			
ST3CMT02	Advanced Statistical Methods	CO1	Understand the applications of probability distributions in the real data and the students will be able to do the estimation procedures and hypothesis testing problems.
CA3CRT06	Computer Graphics (Core)	CO1	Provides an overview of 2D transformations and 2D and 3D object representations.
CA3CRT07	Microprocessor and PC Hardware	CO1	Understand microprocessor architecture and assembly language instructions
CA3CRT08	Operating Systems	CO1	understand and analyse theory and implementation of: processes,resource control, physical and virtual memory, scheduling, I/O and files
CA3CRT09	Data Structure using C++	CO1	An understanding of the basic search and sort algorithms.
		CO2	The appropriate use of a particular data structure and algorithm to solve a problem
CA3CRP03	Software Lab III	CO1	Makes the students capable of implementing the concepts ofdata structures
Semester IV			
M4C01	Operational Research	CO1	On the completion of the course students will be able to formulate mathematical model of the optimization problems and do the problems such as assignment,

			transportation and game theory.
CA4CRT10	Design and Analysis of Algorithms	CO1	Deals with various Algorithm design techniques and provides the students, comparison of time and space complexity of various algorithms.
CA4CRT11	System Analysis & Software Engineering	CO1	It seeks to complement this with a detailed knowledge of techniques for the analysis and design of complex software intensive systems
CA4CRT12	Linux Administration	CO1	Students will be able to understand the basic commands of linux operating system and shell scripts
CA4CRT13	Web Programming using PHP	CO1	Students will able to write PHP code to produce outcomes and solve problems. Display and insert data using PHP and MySQL.
CA4CRP04	Software Lab IV	CO1	Makes the students capable of implementing PHP programs
Semester V			
BCA501	Computer Networks	CO1	The course objectives include learning about computer network organization and implementation, obtaining a theoretical understanding of data communication and computer networks
BCA502	Operating Systems	CO1	understand and analyse theory and implementation of: processes,resource control, physical and virtual memory, scheduling, I/O and files.
BCA503	Java Programming using Linux	CO1	Makes the students familiarize with concepts such as Interfaces, packages and Swing
BCA504	Internet, Web Designing & Cyber Laws (Open Course)	CO1	Introduce the basic of internet. Demonstrate an understanding of web designing. Obtain an understanding of basics of Cyber laws.
BCA505	Software Lab V	CO1	Makes the students capable of implementing the concepts learned in the Java Programming course
BCA506	Software Development Lab I (Mini Project)	CO1	Makes students capable of develop and implement a small software using VB
Semester VI			
BCA601	WEB TECHNOLOGY	CO1	Make students aware on the Basics of internet, HTML, Java Script, and PHP.
BCA602	Software Engineering	CO1	It seeks to complement this with a detailed knowledge of techniques for the analysis and design of complex software intensive systems

BCA603	Linux Operating System (Elective)	CO1	Students will be able to understand the basic commands of Linux operating system and shell scripts
BCA604	Seminar	CO1	Make students aware on modern topics of current day interest in the areas of Computer Science / Information Technology using appropriate presentation media.
BCA605	Software Development Lab II (Main Project)	CO1	Make the students capable of develop software applications.

Name of the Programme: BA Mass Communication and Journalism			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
EN1CC01	Fine-tune Your English	CO1	To introduce the students to the basics of grammar, usage and effective communication.
EN1CC02	Pearls from the Deep	CO1	To introduce students to the different genres of literature and to the niceties of literary Expression
ML1CCT 01	Katha Sahithyam	CO1	Recognize general awareness in literature
		CO2	Appreciate importance of literature and life To sensitize aspects in Malayalam
HN1 CCT 01	Prose and One Act Play	CO1	To develop students competence with reference to Hindi language and literature.
		CO2	To give an authentic knowledge about the development of literature.
MC1CRT04	Methodology and Perspectives of Media studies	CO1	Providing students with the perspectives of Mass Communication
MC1CRT05	Foundations of Mass communication	CO1	Providing understanding of basic elements and models of mass communication
Semester II			
EN2CC03	Issues that Matter	CO1	To enable the students to identify the major issues of contemporary significance and respond rationally and positively to the issues raised
EN2CCT04	Savouring the Classics	C01	The course is designed to introduce the students to the taste of time tested world classics. On completion of the course, the student should become familiar with the classics from various lands and should understand the features that go into the making of a classic.
ML2CC T02	Kavitha	CO1	General awareness in poetry
		CO2	To identify new trends in poetry
		CO3	Appreciate importance of poetry and life To sensitize aspects in Malayalam.
HN2 CCT 02	Novel and Stories	CO1	To develop students competence with reference to Hindi language and literature.

		CO2	To make students familiar with novel and stories.
MC2CRT09	Reporting and Feature Writing	CO1	Understanding of what is news and how to approach different stories
MC2CRT10	History and Growth of Media in India	CO1	Understanding social, political, economic and technological history of different mass media
Semester III			
EN3CC05	Literature and/ as Identity	CO1	To make the student aware of the subtle negotiations of Indigenous and Diasporic identities with-in Literature, the fissures, the tensions and the interstices present in South Asian regional identities and the emergence of Life Writing and alternate/alternative/marginal identities.
ML3CCT03	Drishyakalasahithyam	CO1	General awareness about visual arts
		CO2	Introducing new common trends in Malayalam visual art writing.
HN3 CCT 03	Poetry Grammar and Translation	CO1	To make the students familiar with ancient and Modern Culture.
		CO2	To understand the principles and assumptions governing modern linguistic.
MC3CRT13	Editing, Design and Pagination for print	CO1	Understanding the art of editing and headlining.
MC3CRT14	Photojournalism	CO1	Understanding the use of photography for journalistic purposes both in print and electronic media
MC3CRT15	Introduction to Online Journalism	CO1	understanding of common trends innew media journalism, computer technology and applications
Semester IV			
EN4CC06	Illuminations	CO1	To enable the students to maintain a positive attitude to life by acquainting them with inspiring literature.
ML4CCT04	Malayalagadhyarachanakal	CO1	Introducing basics of prose
		CO2	Familiarizing new trends in writing
HN4 CCT 04	Drama and Long Poem.	CO1	To make the students familiar with Drama and other forms of arts.
		CO2	to make the students familiar with Drama and other forms of arts.

MC4CRT18	Advertising	CO1	understanding of key areas of advertising.
MC4CRT19	Radio Production	CO1	Understanding the aesthetics of sound and its application in various radio programme formats.
MC4CRT20	Language and Translation Studies	CO1	Understanding the theories and problems of translation.
Semester V			
MCIVB07	Radio Production	CO1	Understanding various radio programme formats and scripting styles.
MCIVB08	Introduction To Television Production	CO1	Understanding various television programme formats and scripting styles.
MCIVB09	Corporate Communication	CO1	To initiate the students into the world of corporate communications, public relations andtechnical writing.
MCIVB10	Advertising	CO1	To provide students with an understanding of key areas of advertising, copywriting and visualization
	OPEN COURSE		
Semester VI			
MCIVB11	Media Laws And Ethics	CO1	To provide students with an understanding of the basic legal concepts and press laws.
MCIVB12	Photo Journalism	CO1	Understanding the use of photography for journalistic purposes both in print and electronic media
MCIVB13	Online Journalism	CO1	Understanding of how new media operateswithin the societal contexts and the pattern of content creation in new media
MCIVB14	Introduction To Cinema	CO1	Understanding the history and nuances of film production.
MCIVB15	DOCUMENTARY FILM PRODUCTION	C01	Understanding the types and phases of documentary film making.

B.VOC Programme

Name of the Programme: B.VOC Food Technology and Analysis			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
BOCG101	Listening and speaking skills in English	CO1	Leaners will acquire the basic knowledge in speaking and listening
BOCG102	IT for Business	CO2	Acquire knowledge in using various softwares
BOVG101	Basic Theoretical and Analytical Chemistry	CO3	Students become familiarize to fundamentals of theoretical and analytical chemistry
BOVS101	General Mathematics and Statistics	CO4	After completion Leaners get an idea about general calculus in mathematics
BOVS102	Food Chemistry	CO5	Acquire knowledge on the macro and micro constituents of the food and know the structure and chemical characteristics of constituents of food
BOVS103	Food Chemistry practical	CO6	To understand different chemical analysis methods of food
Semester II			
BOCG201	Writing and Presentation Skills in English	CO1	Students get familiarize to writing patterns and Develop a presntation skill
BOVG201	Basic organic chemistry	CO2	Students will get guided to the mechanism in organic chemistry
BOVG202	Nutritional Biochemistry	CO3	Enable students to understand the biochemical pathways and the relevance to their lives
BOVS201	Food Preservation	CO4	Acquire knowledge on different preservation techniques used to enhance the shelf span of food products
BOVS202	Dairy Technology	CO5	Understand the composition, nutritive value and uses of dairy and broaden and deepen the coverage of production, processing and utilization milk and milk products
BOVS203	Internship I- Dairy industry	CO6	Undestand the processing and analysis of milk and milk products in practical scenario
Semester III			
BOCG301	Principles of Management	CO1	Understand functions, roles and duties of manager and management

			in industry
BOVG301	Bio organic Chemistry	CO2	Students understand the basic bio organic components, its structure and functions
BOVG302	Food Packaging Technology	CO3	To be familiar with different methods and materials used for packaging, technology behind packaging and its interaction with food and shelf life testing
BOVS301	Post Harvest Technology I	CO4	Familiar with manufacturing and processing of various foods
BOVS302	Food Additives and Food Safety Standards	CO5	Understand the structure and chemical characteristics of chemicals added to food
BOVS302	Food Additives Practical	CO6	Students able to perform analysis of food additives by different methods
Semester IV			
BOCG401	Softskills and Personality Development	CO1	Improve ethical and social values of students and improve their personality
BOVG401	Advanced Physical Chemistry	CO2	Students will expertize in different techniques in Physical Chemistry
BOVG402	Post Harvest Technology II	CO3	Understand manufacturing, processing and quality factors of various foods
BOVS401	Food Microbiology(T)	CO4	Acquire an elementary knowledge about physiology of microorganisms, their control and their role in food borne illnesses and food spoilage
BOVS402	Food Microbiology Practical	CO5	To study the different laboratory equipments in the lab, understand the preparation of media, - To get thorough with various staining techniques, isolation and enumeration of microbes
BOVS403	Internship II	CO6	Gain practical knowledge in food industry
Semester V			
BOCG501	Environmental Studies	CO1	Acquaint proper awareness among the students on environment
BOVG501	Analytical Instrumentation	CO2	Students gain knowledge about principles and application of different instruments used in food analysis.
BOVG502	Sensory Evaluation	CO3	Understand different aspects of sensory science and its application and its importance as an analytical tool
BOVS501	Food Toxicology	CO4	To make students aware of the toxicity in foods and assess the safety of food
BOVS502	Food Analysis-I	CO5	To understand different sampling techniques employed in chemical

			analysis of foods and various chemical methods of food analysis
BOVS503	Food Analysis-I Practical	CO6	Familiarise different laboratory equipments and analysis methods of various foods
Semester VI			
BOCG601	Entreprenuership Development	CO1	Understand functions, roles and acquire basic understanding about entreprenuership
BOVG601	Food Engineering	CO2	Understand the operations of food industries as a major functional area.
BOVG602	Food Safety Management Systems	CO3	Contribute a deep insight to the principles of food quality systems and management of food safety and quality assurance, render a basic knowledge in assessment of food quality, hazards impending the food safety and regulation implemented to assure food quality
BOVS601	Food Analysis II	CO4	To understand different sampling techniques employed in chemical analysis of foods and various chemical methods of food analysis
BOVS602	Food Analysis II practical	CO5	Understand analysis methods of various food, adulteration tests and sensory evaluation of food
BOVS603	Internship III-Project	CO6	Promote the research aptitude of the students and will get an opportunity to get involved in research activities.

POST GRADUATE PROGRAMMES

Name of the Programme: M.Com			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
AF01C01	Advanced Financial Accounting-1	CO1	The students study the methods of valuation of goodwill and shares, amalgamation and reconstruction procedures of companies and learn the proceedings of insolvency of an individual and international reporting standards
PM01C02	Principles of Management and Organisational Behaviour	CO1	The students understand the conceptual frame work of management and organizational behaviour and managerial applicability of the concepts.
FM01C03	Financial Management Principles	CO1	The students acquainted with various methods and techniques of financial management.
RM01C04	Research Methodology	CO1	The students understand how to do research in the area of commerce and management.
QT01C05	Quantitative Techniques	CO1	The students understand statistical tools for quantitative analysis and the statistical tools for research and business decision making.
Semester II			
AF02C06	Advanced Financial Accounting-11	CO1	The students get an idea about Green accounting, Double accounts, Farm accounts, voyage accounts, and liquidation proceedings of companies
SM02C07	Strategic Management	CO1	The students understand the frame work across strategic analysis, strategy formulation, and strategic implementation
FM02C08	Financial Management Strategies	CO1	The students acquainted with the advanced concept of financial management and to develop financial strategies for the organization
HR02C09	Human Resource Management	CO1	The students understand the human resource functions in an organization.
OR02C10	Operations Research	CO1	The students understand various techniques used in operation management decisions
Semester III			
MA03C11	Management Accounting	CO1	The students understand accounting methods and techniques used for decision
DT03C12	Direct Taxes-Law and Practice	CO1	The students familiar with the direct tax law of the country and to give advanced level of knowledge on direct tax laws

			and computation and assessment.
1B03C13	International Business	CO1	The students understand different aspects of international business
CG03C14	Corporate Governance	CO1	The students understand the importance of corporate governance
BE03C15	Business Environment	CO1	The students understand the impact of environment in business
Semester IV			
AC04C16	Advanced Cost Accounting	CO1	The students learn about the higher application of cost accounting techniques and methods and know the application of cost control techniques
DT04C17	Direct Taxes-Assessment and Procedures	CO1	The students familiar with the assessment and procedures of direct taxes in the country
1F04E01	International Finance	CO1	The students get detailed idea about macro environment on which financial transactions are carried out and comprehensive knowledge about ways and means of raising of finance by MNCs'.
FM04E02	Financial Markets and Derivatives	CO1	The students familiar with the financial system of the country in general and capital market operations in particular and also give good understanding of commodity trading through multi commodity exchanges.
SA04E03	Security Analysis and Portfolio Management	CO1	The students get a detailed idea about techniques of Security analysis

Name of the Programme: MSc Chemistry			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
CH1C01	Organometallics and Nuclear Chemistry	CO1	The learners will apply and analyse the methods of synthesis and the mechanism of selected catalytic organic reactions from the structure-bonding aspects and reactivity of simple organometallic compounds, the functions of transition metal ions in biological systems and the applications of radioactive isotopes in various fields
CH1C02	Structural and Molecular Organic Chemistry	CO1	Learn and apply the fundamental concepts and mechanisms of organic and photochemical reactions, stereochemistry and conformational analysis of organic compounds
CH1C03	Quantum Chemistry and Group Theory	CO1	Able to categorise common molecules into various point groups and apply the great orthogonality theorem to derive the character tables of various point groups.
CH1C04	Classical and Statistical Thermodynamics	CO1	Get familiar with the properties and theories of gases.
Semester II			
CH2P01	Inorganic Chemistry Practical-1	CO1	Become able apply the principles of qualitative and quantitative analytical techniques in inorganic chemistry for identification of ions and preparation and characterization of inorganic complexes
CH2P02	Organic Chemistry Practical-1	CO1	Students be able to apply class room learning separation and purification of organic compounds and binary mixtures.They should be able to use the computational tools to draw the reaction schemes and spectral data to various organic reactions
CH2P03	Physical Chemistry Practical-1	CO1	Learners will be able to apply the conceptual understanding acquired from the theory classes
CH2C05	Coordination Chemistry	CO1	Acquire a foundation of chemistry of sufficient breadth and depth of co-ordination compounds which enable them to understand and apply their knowledge
CH2C06	Organic Reaction Mechanisms	CO1	Learn and understand the involvement of reactive intermediates, their structure and reactivity through various organic reactions, the orbital interactions in concerted reactions and apply knowledge for solving problems.

CH2C07	Chemical Bonding and Computational Chemistry	CO1	Learners should be able to apply, analyze and evaluate group theoretical concepts in spectroscopy, extent the ideas of quantum mechanics from one electron system to many electron systems and various theories of chemical bonding.
CH2C08	Molecular Spectroscopy	CO1	Learn basic principles and theory of microwave, NMR, IR,Raman, UV spectroscopy.
CH2P01	Inorganic Chemistry Practical-1	CO1	Learn to apply the principles of qualitative and quantitative analytical techniques in inorganic chemistry for identification of ions and preparation and characterization of inorganic complexes
CH2P02	Organic Chemistry Practical-1	CO1	Students be able to apply class room learning separation and purification of organic compounds and binary mixtures. They should be able to use the computational tools to draw the reaction schemes and spectral data to various organic reactions
CH2P03	Physical Chemistry Practical-1	CO1	Learners will be able to apply the conceptual understanding acquired from the theory classes
Semester III			
CH3C09	Structural Inorganic Chemistry	CO1	Learners will be able to apply theoretical learning to separate simple binary mixtures of metallic ions in solution, analysis of alloys and application of paper chromatography to separate a mixture of three cations
CH3C11	Chemical Kinetics, Surface Chemistry and Photochemistry	CO1	Learn to apply classroom learning for the preparation of organic compounds by two step synthetic sequences. They should also be capable of applying green alternative methods of synthesis
CH3C12	Spectroscopic Methods in Chemistry	CO1	Students will learn to analyse and apply the theoretical principles of various branches of physical chemistry whereby class room learning can be transformed to laboratory practice
CH3C09	Structural Inorganic Chemistry	CO1	Learners will be able to apply theoretical learning to separate simple binary mixtures of metallic ions in solution, analysis of alloys and application of paper chromatography to separate a mixture of three cations
Semester IV			
CH4P04	Inorganic Chemistry Practical-2	CO1	Learners will be able to apply theoretical learning to separate simple binary mixtures of metallic ions in solution, analysis of alloys and application of paper chromatography to separate a mixture of three cations
CH4P05	Organic Chemistry Practical-2	CO1	Learn to apply classroom learning for the preparation of organic compounds by two step synthetic sequences. They should also be capable of applying green alternative methods of synthesis

CH4P06	Physical Chemistry Practical-2	CO1	Students will learn to analyse and apply the theoretical principles of various branches of physical chemistry whereby class room learning can be transformed to laboratory practice
CH4P04	Inorganic Chemistry Practical-2	CO1	Learners will be able to apply theoretical learning to separate simple binary mixtures of metallic ions in solution,analysis of alloys and application of paper chromatography to separate a mixture of three cations
CH4P05	Organic Chemistry Practical-2	CO1	Learn to apply classroom learning for the preparation of organic compounds by two step synthetic sequences. They should also be capable of applying green alternative methods of synthesis
CH4P06	Physical Chemistry Practical-2	CO1	Students will learn to analyse and apply the theoretical principles of various branches of physical chemistry whereby class room learning can be transformed to laboratory practice
CH4D01	Project	CO1	Independent master's thesis, students will gain knowledge about relevant working methods for research, industry, administration, and education.
CH4E01	Advanced inorganic chemistry	CO1	Students learn to analyse and apply group theoretical principles in hybridisation technique of molecules, in complexes for explaining well known theories. And will acquire a knowledge about the preparation and characteristics of nanomaterials, metal organic frameworks and types of supramolecules
CH4E02	Advanced organic chemistry	CO1	Students will get able to analyse and interpret molecular recognition and supramolecular chemistry, to study the basic principles of green chemistry, the method of biosynthesis and biomimetic synthesis,to learn the importance of drug design and different categories of polymers .And understand the basic principles of research and how to write a scientific report
CH4E03	Advanced physical chemistry	CO1	Learners will know the excited states involved in a photochemical reaction, to analyse and apply diffraction methods and atomic spectroscopic techniques. The students will be able to apply theories in electrochemistry to analyse the kinetics of electrode reactions.

Name of the Programme: MSc Physics			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
PH1C01	Mathematical Methods in Physics- I	CO1	Make students to have an idea of vector, matrices and tensors, it's physical interpretation and applications.
PH1C02	Classical Mechanics	CO1	The students will understand the fundamental concepts of the Lagrangian and the Hamiltonian methods and will be able to apply them to various problems.
		CO2	The students will understand the physics of small oscillations and the concepts of canonical transformations and Poisson brackets
		CO3	The students will understand the basic ideas of central forces and rigid body dynamics;
		CO4	The students will understand the Hamilton-Jacobi method and the concept of action-angle variables.
PH1C03	Electrodynamics	CO1	Impart proper understanding of electricity magnetism and electrodynamics; wave nature of electromagnetic field and its properties; electromagnetic field radiating out of accelerated charges and the impact of relativity in electromagnetism along with confined propagation of electromagnetic wave.
PH1C04	Electronics	CO1	The linear integrated circuits and its applications are discussed in detail so the learner will become able to design and set up advanced electronic circuits.
PH1P01	General Physics Practicals	CO1	Through this course the student will learn to perform experiments related to various fields of Physics.
Semester II			
PH2C05	Mathematical Methods in Physics- II	CO1	Students will learn the concepts of Laplace and Fourier transforms, fourier series and it's application to solutions of partial differential equations.
PH2C06	Quantum Mechanics - I	CO1	Develop the basic structure of quantum Mechanics. After completing the course, the student will understand the fundamental concepts of the Dirac formalism.
		CO2	The student will understand how quantum systems evolve in time.
		CO3	The student will understand the basics of the quantum theory of angular momentum.
PH2C07	Thermodynamics	CO1	A detailed study of classical and quantum statistics enable

	and Statistical Mechanics		the students to apply the theory to the experimental field of thermodynamics.
PH2C08	Condensed Matter Physics	CO1	The advanced contents of solid state Physics are introduced to the students which forms a strong foundation for the recent researches.
PH2P02	Electronics Practicals	CO1	Learners will get exposed to the basics of advanced level electronics experiments. They learn to design, set up the circuits, record data and analyse it.
Semester III			
PH3C09	Quantum Mechanics - II	CO1	Extend the concepts developed in the course 'Quantum Mechanics-I . After completing this course, the student will understand the different stationary state approximation methods and be able to apply them to various quantum systems.
		CO2	The students will understand the basics of time-dependent perturbation theory and its application to semi-classical theory of atom-radiation interaction.
		CO3	The students will understand the theory of identical particles and its application to helium and the idea of Born approximation and the method of partial waves.
		CO4	Also, this course will introduce the student to the basic concepts of relativistic quantum mechanics.
PH3C10	Computational Physics	CO1	Students will get the basic idea about the techniques used in physics to solve problems with the help of computers when they cannot be solved analytically with pencil and paper since the underlying physical system is very complex.
		CO2	After the completion of this course students might be able to develop their own Algorithms of every method described in the syllabus.
PH3P03	Computational Physics Practicals	CO1	Students become able write theiron algorithms and C++ programs to solve advanced problems in experimental and theoretical Physics
PH3EA1	Integrated electronics and digital signal processing	CO1	Students learn about discrete time systems and to learn about FFT algorithms and study the design techniques for FIR and IIR digital filters. Also extend the learners knowledge to IC fabrication techniques
PH3EA2	Microelectronics and semiconductor devices	CO1	Expose to the students to the architecture and instruction set of basic microprocessors.
		CO2	This course also covers fundamentals of semiconductor devices and their processing steps in detail.
		CO3	The student will be able to use the knowledge of semiconductor fabrication processes to work in industry in the area of semiconductor devices.

PH4EA3	Instrumentation and communication electronics	CO1	Understand the basic concepts of different communication systems.
PH4PA4	Advanced electronics practicals	CO1	After undergoing this course, the student will acquire a skill to set up advanced circuits and to use advanced equipment to record their data. Also learn to analyse the data obtained.
Semester IV			
PH4C11	Atomic and Molecular Physics	CO1	Equip the student with the understanding of atomic structure and spectra of typical one- electron and two-electron systems and the theory of microwave and infra-red spectroscopies as well as the electronic spectroscopy of molecules.
		CO2	Equip the student with the basics of Raman spectroscopy and the nonlinear Raman effect and the spin resonance spectroscopies such as NMR and ESR.
		CO3	This course also introduces the student to the ideas of Mossbauer spectroscopy.
PH4C12	Nuclear and Particle Physics	CO1	After undergoing this course, the student will have a knowledge about the basic properties of the nucleus and the nuclear forces, Major models of the nucleus and the theory behind the nuclear decay process, the physics of nuclear reactions and the interaction between elementary particles and the conservation laws in particle physics.
		CO2	This course intents to impart some idea about nuclear astrophysics and the practical applications of nuclear physics.
PH4D05	Project/Dissertation	CO1	Research oriented project make the students capable of doing research in the preliminary way.
PH4V06	Viva Voce	CO1	The students get an opportunity to recollect what he/she learned throughout his journey in Physics and make the student confident in his subject.
PH4OE2	Software Engineering and Web design	CO1	Introduces the student the concepts of software engineering and through learning HTML and JAVA SCRIPT students become able to develop their on webpages.

Name of the Programme: MSc Mathematics			
Course Code	**Course Title**	**Course Outcome**	
Semester I			
MT01C01	Linear Algebra	CO1	The concepts of Linear Algebra are crucial for understanding the theory behind Machine Learning, especially for Deep Learning.
MT01C02	Basic Topology	CO1	The concepts of Linear Algebra are crucial for understanding the theory behind Machine Learning, especially for Deep Learning.
MT01C03	Measure Theory & Integration	CO1	The Students study the measures. It generalizes the intuitive notions of length, area, and volume
MT01C04	Graph Theory	CO1	Studying graphs through a framework provides answers to many arrangement, networking, optimization, matching and operational problems
MT01C05	Complex Analysis	CO1	Studying graphs through a framework provides answers to many arrangement, networking, optimization, matching and operational problems
Semester II			
MT01C06	Abstract Algebra	CO1	The students get an idea about Green accounting, Double accounts, Farm accounts, voyage accounts, and liquidation proceedings of companies
MT01C07	Advanced Topology	CO1	It is used in string theory in physics, and for describing the space-time structure of universe.
MT01C08	Advanced Complex Analysis	CO1	complex analysis is an extreamly powerful tool with an unexpectedly large number of practical applications to the solution of physical problems
MT01C09	Partial Differential Equations	CO1	The outcome is nothing but a multi variable deterministic equation or expression. Partially Differential Equations mainly center around multi variable systems.
MT01C10	Real Analysis	CO1	It introduces the students to the important ideas and methodologies of pure math in the context of material .In mathematics, real analysis is the branch of mathematical analysis that studies the behavior of real numbers, sequences and series of real numbers, and real functions. Some particular properties of real-valued sequences and functions that real analysis studies include convergence, limits, continuity, smoothness, differentiability and integrability.

Semester III			
MT01C11	Multivariate Calculus &Integral Transforms	CO1	It helps to students derive the formulas to estimate the relationship among the set of empirical data.
MT01C12	Functional Analysis	CO1	A functional analysis provides to information about what in the environment maintains an individual's problem behavior .
MT03C13	Differential Geometry	CO1	TIn structural geology, differential geometry is used to analyze and describe geologic structures. In computer vision, differential geometry is used to analyze shapes. In image processing, differential geometry is used to process and analyse data on non-flat surfaces.
MT03C14	Number Theory and Cryptography	CO1	Number Theory plays an important role in encryption algorithm. Cryptography is the practice of hiding information, converting some secret information .
MT03C15	Optimization Techniques	CO1	The students understand the impact of environment in business
Semester IV			
MT03C16	Spectral Theory (Core)	CO1	The students learn about the information about the environment maintains an individual's problem behavior .
MT04E01	Analytic Number Theory (Electives)	CO1	Number Theory plays an important role in encryption algorithm.
MT04E02	Combinatorics	CO1	The students get Problem solving ability.
MT04E05	Mathematical Economics	CO1	It allows economic theorists to use mathematical tools such as algebra and calculus to describe economic phenomina and draw precise inference from their basic assumptions and definitions .
MT04E13	Algorithmic Graph Theory	CO1	Studying graphs through a framework provides answers to many arrangement, networking, optimization, matching and operational problems
MT04P01	Project/Dissertation		
MT04v01	Viva-Voce		

Name of the Programme: M.Sc.Food Technology and Quality Assurance

Course Code	Course Title	Course Outcome	
Semester I			
FT1MPC 701	Basic Biochemistry	CO1	Enable students to understand the biochemical pathways and the relevance to their lives
FT1MPC 702	General Microbiology	CO1	Acquire an elementary knowledge about physiology of microorganisms, their control and their role in food borne illnesses and food spoilage
FT1MPC 703	Food Chemistry	CO1	Acquaint various functional chemical constituents in food
FT1MPC 704	Introduction to Food Science & Technology	CO1	Students get an introductory foundation in Food Science and Technology upon which more advanced and specialized knowledge can be built.
FT1MPP 705	Practical-Biochemistry	CO1	Students get a balanced introduction to laboratory techniques and principles those are important in the area of Biochemistry & Microbiology
FT1MPP 706	Practical-Microbiology	CO1	Students get an introduction to laboratory techniques and staining techniques in Microbiology
Semester II			
FT2MPC 707	Food Engineering	CO1	Understand the operations of food industries as a major functional area.
FT2MPC 708	Food Additives & Packaging Technology	CO1	Understand the structure and chemical characteristics of chemicals added to food, the scope of packaging technology in food industries
FT2MPC 709	Food Spoilage and Preservation Technology	CO1	Provide an exhaustible coverage on all major aspects of food preservation
FT2MPC 710	Food Analysis	CO1	Students get a deeper coverage and scope of food analysis and provide an updated and high-quality original contribution on new developments in food analysis and its emerging applications

FT2MPP 711	Practical-Food Preservation & Packaging Technology	CO1	Provide knowledge on various methods used for analysis of additives in food and also gain practical skill in packaging and to determine the efficiency of packaging
FT2MPP 712	Practical-Food Analysis I	CO1	Students get familiarize various chemical analysis methods
Semester III			
FT3MPC 713	Technology of Cereals, Pulses and Oil seeds	CO1	Acquaint a general outline about the principles, structure and composition, economic importance, processing and storage of different cereals and their products
FT3MPC 714	Technology of Milk, Meat, Poultry and Fish	CO1	Understand the composition, nutritive value and uses of dairy and flesh foods and broaden and deepen the coverage of production, processing and utilization of each food related to Indian and Continental cuisine
FT3MPC 715	Technology of Beverages	CO1	Introduce students to the technology behind the processing of beverages and knowledge on various types of beverages
FT3MPC 716	Technology of fruits and Vegetables	CO1	Provide a knowledge on the pre- and post-harvest technology of fresh fruits and vegetables and emerging trends in minimal processing of fruits and vegetables
FT3MPP 717	Practical-Processing Technology of Animal-based Foods	CO1	Provide a balanced methodology to the principles and techniques that is important in the processing of food
FT3MPP 718	Practical-Processing Technology of Agro-foods	CO1	Students understand the principles and techniques that is important in the processing of Agro food
Semester IV			
FT4MPE 719	Food Quality Assurance & Management	CO1	Contribute a deep insight to thse principles of food quality systems and management of food safety & quality assurance
FT4MPE 721	Food Processing Technology	CO1	The subject serve as a base for modern & traditional methods of food processing and highlight the processing methods used in confectionary and culinary industries
FT4MPE 723	Food Industrial Sanitation &	CO1	Acquaint principles and applications of sanitation in food industry, various types of Sanitation techniques applicable in the food

	Hygiene		industry
FT4MPP 724	Practical-Food Analysis II	CO1	Provide knowledge and training on principles and techniques for analysis of food composition
FT4MPP 725	Practical-Food Processing	CO1	Study the principles and methods of processing of various food products and to practically gain skill in development of these products.
FT4MPD 726	Project Evaluation	CO1	Independent master's thesis, students will gain knowledge about relevant working methods for research, industry, administration, and education.
FT4MPP 727	Course Viva-Voce	CO1	Students will get a quick review of the subject learned and a training for upcoming subject interviews.